# YAMAHA

# TX816

## FM TONE GENERATOR SYSTEM

# PERFORMANCE NOTES

This performance notebook lists the performance points that will enable the performer to utilize the maximum capabilities of the voice data loaded into the TX816. Please use this performance notebook as your reference when performing on the TX816.
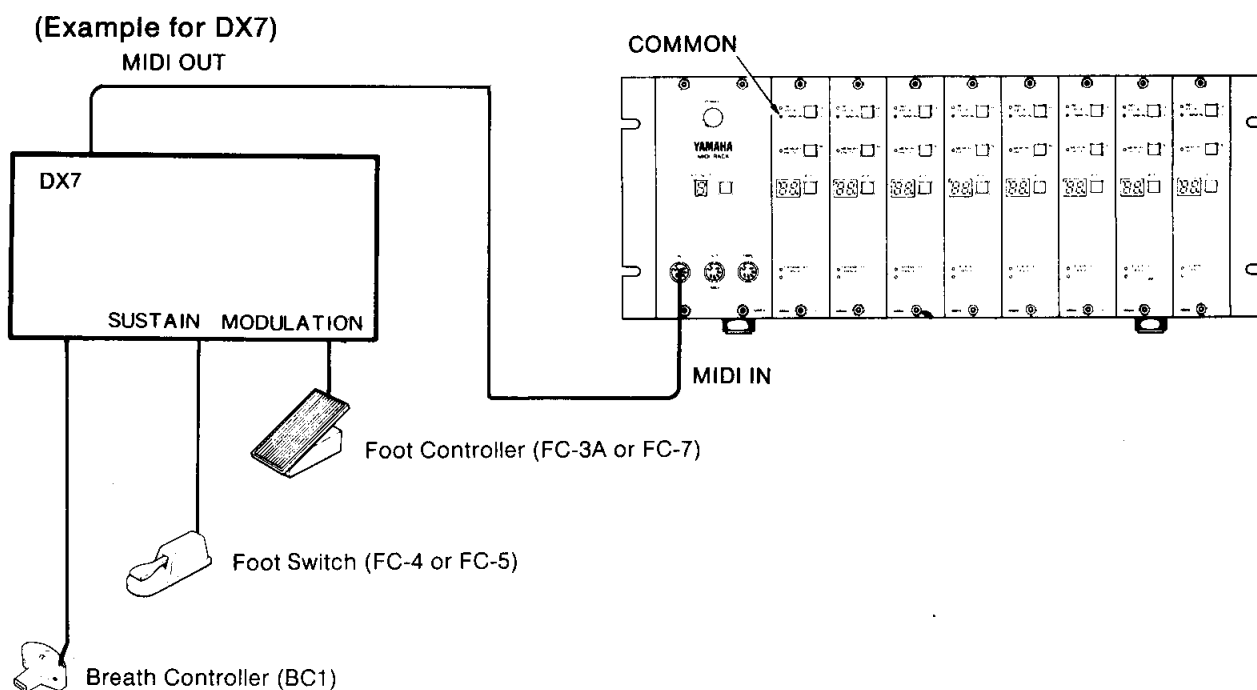
## ● Voices loaded into the individual modules of the TX816

The voices 1 ~ 23 in each TF1 module have been designed so that eight modules should be performed on simultaneously, using MIDI keyboards such as the Yamaha DX7.

Connect a MIDI cable to the MIDI OUT jack of the MIDI keyboard (Yamaha DX7, etc.), and the COMMON IN jack of the TX816, and set the modules of the TX816 to the COMMON setting.

The voices 24 ~ 32 in each module have been designed as individual voices for use together with sequencers such as the Yamaha QX1.

## ● Connection procedure

(Example for DX7)



Foot Controller (FC-3A or FC-7)

Foot Switch (FC-4 or FC-5)

Breath Controller (BC1)

✳  The factory-loaded data have been set so that the Foot Controller, Breath Controller and Modulation Wheel can be used to control the tone, volume and modulation.

Therefore in some cases, failure to use the Foot Controller or Breath Controller may result in no sound being produced.

The operation of these effects controllers can also be edited as desired. For example, when using a voice for which the volume is controlled by the Breath Controller, you can switch the effect of the Breath Controller completely off, or you can change the controller for the volume to, say, the Foot Controller. (Refer to page 11 for instructions on the editing procedure.)

## CONTENTS

# TX816 VOICE CHART

## 1  HOW TO USE THE TX816 VOICE NAME CHART

1. On the TX816 voice name chart of page 3 and 4, the column farthest to the left indicates the voice names for all eight modules, while 1 ~ 8 form a table for the voice names for each individual module.
   The note names at the lower right of the voice names indicate the note range output.

   Example:
   ↑ E4 ....  Notes lower than E4 will be output (using LIMIT HIGHEST KEY function)
   A3↑ .....  Notes higher than A3 will be output (using LIMIT LOWEST KEY function)
   (↑ C3) .  Notes around C3 and lower will be output (using KEYBOARD SCALING)
   (↑ E3)..  Notes around E3 and higher will be output (using KEYBOARD SCALING)

2. Effects of effect controllers
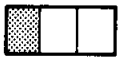
   [▓□□]  ......  Use Modulation Wheel to control volume
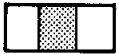
   [□▓□]  ......  Use Foot Controller to control volume
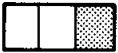
   [□□▓]  ......  Use Breath Controller to control volume
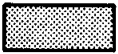
   [▓▓▓]  ......  Use Foot Controller to control tone

3. 24 ~ 32 form the individual voice section. The two modules 1 and 2 together form one voice, while all other modules have been set to different individual voices. These can be used as voices for sequencers.

4. To produce the optimum stereo effect, it is recommended to set the PAN controls of the mixer as shown at the very top of the table.
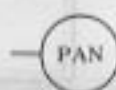
| | TITLE | PAN 1 | PAN 2 | PAN 3 | PAN 4 |
|---|---|---|---|---|---|
| 1 | PIANO | PIANO L | PIANO R | BASS END | TREBLE END |
| 2 | STRINGS | STRINGS LIGHT 1 | STRINGS LIGHT 2 | STRINGS HEAVY 1 | STRINGS HEAVY 2 |
| 3 | CHURCH ORGAN | CLOSED PIPE | OPEN PIPE | LOW MID PIPE | REEDS |
| 4 | CHOIR | MALE BASS 1 | MALE TENOR | MALE BASS 2 | MALE BASS 3 |
| 5 | TRUMPETS | TRUMPET 1 | TRUMPET 2 | TRUMPET 3 | TRUMPET 4 |
| 6 | ELEC. PIANO | ELEC. PIANO TREMOLO L | ELEC. PIANO TREMOLO R | TINE PIANO 1 | TINE PIANO 2 |
| 7 | CELLOS | CELLO 1 | CELLO 2 | CELLO 3 | CELLO 4 |
| 8 | ELEC. ORGAN | ROTO SLOW | ROTO FAST | BASIC ORGAN 1 | BASIC ORGAN 2 |
| 9 | HORNS | ELECTRO HORN 1 | ELECTRO HORN 2 | MELLOW HORN 1 | MELLOW HORN 2 |
| 10 | FILTER SYNTH | PERCUSSIVE SYNTH 1 | PERCUSSIVE SYNTH 2 | FILTER SWEEP 1 | FILTER SWEEP 2 |
| 11 | FM PIANO | FM PIANO 1 | FM PIANO 2 | METAL ELECTRIC PIANO 1 | WIRE ELECTRIC PIANO 1 |
| 12 | 8 WAY PERCUSSION | TRIANGLE $\uparrow C_1$ | FLEXI $C_1\sharp - F_1\sharp$ | CHIP BLOCKS $G_1 - F_2\sharp$ | HAND DRUMS $G_2 - F_1\sharp$ |
| 13 | BASS-ELEC. PIANO + SPLIT | ELECTRIC PIANO 1 $E_3\uparrow$ | ELECTRIC PIANO 2 $E_3\uparrow$ | ELECTRIC ORGAN 1 $E_3\uparrow$ | ELECTRIC ORGAN 2 $E_3\uparrow$ |
| 14 | E.PNO/STRGS/BRS MIX | ELECTRIC PIANO 1 | ELECTRIC PIANO 2 | BRATH CONTROL BRASS 1 | BREATH CONTROL BRASS 2 |
| 15 | GUITAR - OBOE STRINGS | STRINGS MELLOW 1 | STRINGS BRIGHT 1 | ACOUSTIC GUITAR 1 $\uparrow E_4$ | ACOUSTIC GUITAR 2 $\uparrow E_4$ |
| 16 | PLUCK SPECIAL | PLUCKED 1 | PLUCKED 2 | TOUCH RISE 1 | TOUCH RISE 2 |
| 17 | PIANO/CHOIR | ACOUSTIC PIANO 1 | ACOUSTIC PIANO 2 | ACOUSTIC PIANO 3 | ACOUSTIC PIANO 4 |
| 18 | BELL→VOICE | BIG TUBES 1 | BIG TUBES 2 | DREAM VOICE 1 | DREAM VOICE 2 |
| 19 | FALLING→ | DINGLE HI 1 | DINGLE HI 2 | ADDITIVE 1 | ADDITIVE 2 |
| 20 | PRETTY POWER | PERCUSSIVE SYNTH 1 | PERCUSSIVE SYNTH 2 | SYNTH BRASS 1 | SYNTH BRASS 2 |
| 21 | FULL ORCHESTRA | STRINGS | ELECTRIC VIOLIN | VIOLIN | BREATH CONTROL BRASS 1 |
| 22 | JAZZ ORCHESTRA SPLIT | TROMBONE 1 $C_3\uparrow$ | TROMBONE 2 $C_3\uparrow$ | TOUCH TRUMPET 1 $C_3\uparrow$ | TOUCH TRUMPET 2 $C_3\uparrow$ |
| 23 | CELLOS/HORNS | BRIGHT CELLO | CELLO 1 | MELLOW CELLO | CELLO 2 |
| 24 | | AFRICAN MALLETS 1 | AFRICAN MALLETS 2 | BREATH CONTROL OBOE | BREATH CONTROL BASSOON |
| 25 | | PLANET OF ICE 1 | PLANET OF ICE 2 | RECORDER | NOSE TONE |
| 26 | | FLOATING CLOUDS 1 | FLOATING CLOUDS 2 | BANJO | FIDDLE |
| 27 | INDIVIDUAL | GLASS WIND CHIMES 1 | GLASS WIND CHIMES 2 | MAGIC ORGAN | DREAM BELL |
| 28 | VOICE → | HARPSICHORD LOW | HARPSICHORD HIGH | KOTO | SITAR |
| 29 | SECTION | CLAV. 1 | CLAV. 2 | SMOOTH | PIZZICATO STRINGS |
| 30 | | VIBE 1 | VIBE 2 | OCEAN | SMASH! |
| 31 | | DOUBLE HARP 1 | DOUBLE HARP 2 | CELESTE | GLOCKENSPIEL |
| 32 | | BELL TREE 1 | BELL TREE 2 | TUNED BELLS | ANCHLUNG |

DOUBLE VOICES | | | | SOLO VOICES

3

3 ORIGINAL NAME LIST

This is a list of the original names used for each voice. The original names are numbered according to the voice number and the module number.

| 5 | 6 | 7 | 8 | NOTES |
|---|---|---|---|---|
| (PAN) | (PAN) | (PAN) | (PAN) | |
| PIANO SOLID | PIANO BRIGHT | HAMMER NOISE | UPPER OCTAVE RING | |
| STRINGS MELLOW 1 | STRINGS MELLOW 2 | STRINGS LIGHT 3 | SOLO VIOLIN | |
| FEMALE VOCAL | MALE BASS | MALE ALTO | BASS PIPES | |
| FEMALE VOCAL 1 | FEMALE VOCAL 2 | MALE BASS 4 | FEMALE VOCAL 3 | → MODULATION WHEEL |
| TRUMPET 5 | TRUMPET 6 | SYNTH TRUMPET | BRIGHT TRUMPET | |
| ELEC. PIANO 1 | ELEC. PIANO 2 | TINE PIANO 3 | TINE PIANO 4 | |
| CELLO 5 | CELLO 6 | BOWED CELLO 1 | BOWED CELLO 2 | |
| FULL ORGAN 1 | FULL ORGAN 2 | TOUCH ORGAN | FULL ORGAN 3 | |
| BRIGHT HORN 1 | BRIGHT HORN 2 | BREATH CONTROL HORN 1 | BREATH CONTROL HORN 2 | |
| FILTER SWEEP 3 | FILTER SWEEP 4 | CHORUS SYNTH 1 | CHORUS SYNTH 2 | |
| METAL ELECTRIC PIANO 2 | WIRE ELECTRIC PIANO 2 | ACOUSTIC PIANO L | ACOUSTC PIANO R | → FOOT CONTROL MODULATION (OVERALL VOLUME) |
| PHLOOT $G_3$-$F_5$# | TIMBALE $G_4$-$F_5$# | PAN DRUM $G_3$-$B_5$ | ODA BELL $C_5$↑ | |
| BREATH CONTROL TRUMPET 1 | BREATH CONTROL TRUMPET 2 | BASS ↑$C_3$ | CLAV | |
| VIOLINS | STRING BELLS | SYNTH STRINGS 1 | SYNTH STRINGS 2 | |
| STRINGS MELLOW 2 | STRINGS BRIGHT 2 | BREATH CONTROL OBOE $A_2$↑ | VIOLINS | |
| SIDE TO SIDE 1 | SIDE TO SIDE 2 | THINBLE | HI BELL | |
| MALE VOICE 1 | MALE VOICE 2 | TENOR VOICE 1 | TENOR VOICE 2 | → BREATH CONTROL |
| VOICES 1 | VOICES 2 | INNER SPACE 1 | INNER SPACE 2 | |
| ADDITIVE 3 | ADDITIVE 4 | DINGLE LOW 1 | DINGLE LOW 2 | |
| SYNTH PLUCKED | HEAVY METAL 1 | HEAVY METAL 2 | HARPSICHORD | |
| BREATH CONTROL BRASS 2 | TOUCH BRASS ($C_4$↑) | CELLO | TIMPANI | |
| BREATH CONTROL SAX ($E_3$↑) | FLUTE ($E_3$↑) | PIZZICATO BASS (↑$C_3$) | RIDE CYMBAL ↑$C_3$ | |
| BREATH HORN | MELLOW HORN | FLUTTER HORN | HORN | |
| BREATH CONTROL CLARINET | BREATH CONTROL FLUTE | DOUBLE BASS | METAL BLOCKS $E_3$↑ | → FOOT CONTROL MODULATION (FILTER EFFECT) |
| BREATH CONTROL SAX | HUFF SYNTH | HARMONIC BASS | SYNTH DRUMS $E_3$↑ | |
| JAZZ GUITAR | OLD SPANISH | FUNK BASS 1 | TIMBALES $E_3$↑ | |
| ELECTRIC GUITAR | YES BUNK | SMOOTH BASS 1 | SKULLS $E_3$↑ | |
| HARMO SYNTH | STEEL DRUMS | WOOD BASS | QUEKER $E_3$↑ | |
| PEDAL STEEL | GAS PIPE | SMOOTH BASS 2 | CASTANETS $E_3$↑ | |
| AIR FARCE | BIRDS | FUNK BASS 2 | TAMBOURINE $E_3$↑ | |
| GONGS | REFEREE'S WHISTLE | FUNK BASS 3 | HAND DRUMS $E_3$↑ | |
| KNOCK CLAV | BIG BEN | SMOOTH BASS 3 | TRIANGLE $E_3$↑ | |
| | | BASSES | PERCUSSION | |

✳ The master tuning for each module should be set to zero.

## 3 ORIGINAL NAME LIST

This is a list of the original names used for each voice. The original names are numbered according to the voice number and the module number.

| | TITLE | PAN 1 | PAN 2 | PAN 3 | PAN 4 |
|---|---|---|---|---|---|
| 1 | PIANO | AC.PNO 1.1 | AC.PNO 1.2 | PNO.B 1.3 | AC.PNO 1.4 |
| 2 | STRINGS | STRGS 2.1 | STRGS 2.2 | STRG.H. 2.3 | STRG.H. 2.4 |
| 3 | CHURCH ORGAN | P.ORG 3.1 | P.ORG 3.2 | P.ORG 3.3 | P.ORG 3.4 |
| 4 | CHOIR | VOICE 4.1 | VOICE 4.2 | VOICE 4.3 | VOICE 4.4 |
| 5 | TRUMPETS | TRMPT 5.1 | TRMPT 5.2 | TRMPT 5.3 | TRMPT 5.4 |
| 6 | ELEC. PIANO | E.PNO 6.1 | E.PNO 6.2 | E.TPNO 6.3 | E.TPNO 6.4 |
| 7 | CELLOS | CELLO 7.1 | CELLO 7.2 | CELLO 7.3 | CELLO 7.4 |
| 8 | ELEC. ORGAN | E.ORG 8.1 | E.ORG 8.2 | B.ORG 8.3 | B.ORG 8.4 |
| 9 | HORNS | E.HORN 9.1 | E.HORN 9.2 | M.HORN 9.3 | M.HORN 9.4 |
| 10 | FILTER SYNTH | PCSYN 10.1 | PCSYN 10.2 | F.SWP 10.3 | F.SWP 10.4 |
| 11 | FM PIANO | FMPNO 11.1 | FMPNO 11.2 | M.PNO 11.3 | W.PNO 11.4 |
| 12 | 8 WAY PERCUSSION | TRIGL 12.1 | FLEXI 12.2 | CHIPB 12.3 | HNDRM 12.4 |
| 13 | BASS-ELEC. PIANO + SPLIT | E.PNO 13.1 | E.PNO 13.2 | E.ORG 13.3 | E.ORG 13.4 |
| 14 | E.PNO/STRGS/BRS MIX | E.PNO 14.1 | E.PNO 14.2 | BCBRS 14.3 | BCBRS 14.4 |
| 15 | GUITAR-OBOE STRINGS | STGSM 15.1 | STGSB 15.2 | A.GTR 15.3 | A.GTR 15.4 |
| 16 | PLUCK SPECIAL | PLUK 16.1 | PLUK 16.2 | T.RSE 16.3 | T.RSE 16.4 |
| 17 | PIANO/CHOIR | A.PNO 17.1 | A.PNO 17.2 | A.PNO 17.3 | A.PNO 17.4 |
| 18 | BELL → VOICE | B.TBS 18.1 | B.TBS 18.2 | DM.VC.18.3 | DM.VC.18.4 |
| 19 | FALLING → | DINGL 19.1 | DINGL 19.2 | ADTVE 19.3 | ADTVE 19.4 |
| 20 | PRETTY POWER | P.SYN 20.1 | P.SYN 20.2 | SYNBS 20.3 | SYNBS 20.4 |
| 21 | FULL ORCHESTRA | STRGS 21.1 | E.VLN 21.2 | VIOLN 21.3 | BCBRS 21.4 |
| 22 | JAZZ ORCHESTRA SPLIT | TRBNE 22.1 | TRBNE 22.2 | T.TRP 22.3 | T.TRP 22.4 |
| 23 | CELLOS/HORNS | CELLO 23.1 | CELLO 23.2 | CELLO 23.3 | CELLO 23.4 |
| 24 | | AFMAL 24.1 | AFMAL 24.2 | OBOBC 24.3 | BCBSN 24.4 |
| 25 | | P.ICE 25.1 | P.ICE 25.2 | RECDR 25.3 | NOSTN 25.4 |
| 26 | | FLCLD 26.1 | FLCLD 26.2 | BANJO 26.3 | FIDLE 26.4 |
| 27 | INDIVIDUAL | GL.WC.27.1 | GL.WC.27.2 | MGORG 27.3 | DMBEL 27.4 |
| 28 | VOICE → | HARPS 28.1 | HARPS 28.2 | KOTO 28.3 | SITAR 28.4 |
| 29 | SECTION | CLAV. 29.1 | CLAV. 29.2 | SMOOH 29.3 | P.STG 29.4 |
| 30 | | VIBES 30.1 | VIBES 30.2 | OCEAN 30.3 | SMASH 30.4 |
| 31 | | DB.HP.31.1 | DB.HP.31.2 | CLSTE 31.3 | GLOCK 31.4 |
| 32 | | BLTRE 32.1 | BLTRE 32.2 | TDBLS 32.3 | ANLNG 32.4 |

DOUBLE VOICES                                     SOLO VOICES

● The master tuning for each module should be set to zero.

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| 5 | 6 | 7 | 8 | NOTES |
|---|---|---|---|---|
| AC.PNO 1.5 | AC.PNO 1.6 | AC.PNO 1.7 | OCT.R. 1.8 | |
| STRG.M. 2.5 | STRG.M 2.6 | STRGS 2.7 | VIOLIN 2.8 | |
| VOICE 3.5 | VOICE 3.6 | VOICE 3.7 | P.ORG 3.8 | |
| VOICE 4.5 | VOICE 4.6 | VOICE 4.7 | VOICE 4.8 | MODULATION WHEEL |
| TRMPT 5.5 | TRMPT 5.6 | SYNTRP 5.7 | B.TRP 5.8 | |
| E.PNO 6.5 | E.PNO 6.6 | T.PNO 6.7 | T.PNO 6.8 | |
| CELLO 7.5 | CELLO 7.6 | CELLO 7.7 | CELLO 7.8 | |
| F.ORG 8.5 | F.ORG 8.6 | T.ORG 8.7 | F.ORG 8.8 | |
| B.HORN 9.5 | B.HORN 9.6 | BC.HRN 9.7 | BC HRN 9.8 | |
| F.SWP 10.5 | F.SWP 10.6 | CRSYN 10.7 | CRSYN 10.8 | |
| M.PNO 11.5 | W.PNO 11.6 | A.PNO 11.7 | A.PNO 11.8 | FOOT CONTROL MODULATION (OVERALL VOLUME) |
| PHOOT 12.5 | TMBLE 12.6 | P.DRM 12.7 | ODABL 12.8 | |
| BCTRP 13.5 | BCTRP 13.6 | BASS 13.7 | CLAV 13.8 | |
| VIOLN 14.5 | STGBL 14.6 | SYNST 14.7 | SYNST 14.8 | |
| STG.M. 15.5 | STG.B 15.6 | OBOE 15.7 | VIOLN 15.8 | |
| SD.SD.16.5 | SD.SD.16.6 | THBL 16.7 | HIBEL 16.8 | |
| VOICE 17.5 | VOICE 17.6 | VOICE 17.7 | VOICE 17.8 | |
| VOICE 18.5 | VOICE 18.6 | I.SPC 18.7 | I.SPC 18.8 | BREATH CONTROL |
| ADTVE 19.5 | ADTVE 19.6 | DINGL 19.7 | DINGL 19.8 | |
| SYNPK 20.5 | H.MTL 20.6 | H.MTL 20.7 | HARPS 20.8 | |
| BCBRS 21.5 | T.BRS 21.6 | CELLO 21.7 | TMPNI 21.8 | |
| BCSAX 22.5 | FLUTE 22.6 | P.BAS 22.7 | R.CYM 22.8 | |
| B.HRN 23.5 | M.HRN 23.6 | F.HRN 23.7 | HORNS 23.8 | |
| BCCLA 24.5 | FLUTE 24.6 | D.BAS 24.7 | MBLOK 24.8 | FOOT CONTROL MODULATION (FILTER EFFECT) |
| BCSAX 25.5 | H.SYN 25.6 | H.BAS 25.7 | SYNDM 25.8 | |
| J.GTR 26.5 | O.SPH 26.6 | F.BAS 26.7 | TMB 26.8 | |
| STGTR 27.5 | Y.BNK 27.6 | S.BAS 27.7 | SKLS 27.8 | |
| H.SYN 28.5 | ST DM 28.6 | WDBSS 28.7 | QKR 28.8 | |
| PDSTL 29.5 | G.PIP 29.6 | SMBSS 29.7 | CSTNT 29.8 | |
| A.FCE 30.5 | BIRD 30.6 | F.BSS 30.7 | TMBRN 30.8 | |
| GONG 31.5 | RFWSL 31.6 | F.BSS 31.7 | HDRUM 31.8 | |
| NCLAV 32.5 | B.BEN 32.6 | S.BSS 32.7 | TRIGL 32.8 | |
| | | BASSES | PERCUSSION | |
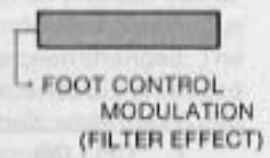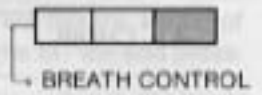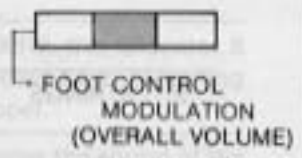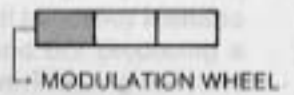
* The master tuning for each module should be set to zero.

6

* The terms below have been abbreviated as follows:

Module 1 ....................... M1
Module 8 ....................... M8
Modulation wheel ......... MW
Breath control .............. BC
Foot control .................. FC
After touch ................... AT

| | | |
|---|---|---|
| 1. | PIANO | For this sound, we have synthesized the individual frequency components that comprise the sound of a piano. M1, M2, M5 and M6 produce the general piano sound, while M3 produces a resonant bass. M4 produces the sound of the higher octave strings, M7 produces the hammer noise, and M8 produces the sound of the undamped high strings. These components are all combined together, resulting in a rich and realistic piano sound. |
| 2. | STRINGS | First enter the MW. M8 will produce the sound of a solo violin. Pressing the FC will add the strings of M1 ~ M7 in order, resulting in a string ensemble. |
| 3. | CHURCH ORGAN | Normally, this sound is that of a small pipe organ. Activating the MW turns on the CLOSED PIPE effect, while pressing down the FC will activate the REEDS, LOW MID PIPE and BASS PIPES effects in order, producing a rich and sonorous sound. Release the FC and blow into the BC. You should be able to hear the sound of a church choir. |
| 4. | CHOIR | First activate the FC. The male BASS chorus should start up. Now activating the MW should cause the female chorus to enter. Now blow into the BC, producing a large choir effect. |
| 5. | TRUMPETS | This sound reproduces the bright and brilliant effect of a trumpet ensemble. Adjust the volume by using the FC, and use the MW to control the degree of vibrato. The PITCH BEND effect can also be used if desired. |
| 6. | ELECTRIC PIANO | This sound features a metallic attack noise. Real electric pianos produce this kind of noise in addition to their regular round and pearly sound. The MW can be used to add a tremolo effect (generated by M1 and M2), while the FC can be used for a chorus effect (generated by M3 and M4). |
| 7. | CELLOS | This sound reproduces the dark and rich low frequency sound of an orchestra's cello ensemble. The FC can be used to produce a normal-sounding cello ensemble, while the MW can be used to control the effect of cellos being bowed with a heavier touch. |
| 8. | ELECTRIC ORGAN | First activate the FC, producing the basic organ sound. The M7 sound will vary according to the initial touch. Blowing into the BC should produce the sound of the high four feet and two feet draw bars. The MW can also be used to produce the effect of a rotary speaker. |

| | | |
|---|---|---|
| 9. | HORNS | Activate the FC and perform with a normal touch, producing a rounded horn sound. Using a stronger initial touch will case the sound to distort on the attacks. The MW will make the tone quality sharper, and the BC can also be used to change the sound. |
| 10. | FILTER SYNTH | This creates the effect of the filter of an analogue synthesizer, creating a sound whereby the VCF cut-off frequency seems to be moving. First cancel the MW, FC and BC, producing a rounded sound that is close to a sine wave. Pressing down the FC will increase the cut-off frequency, and activating the MW will increase the intensity of the attack. The BC can be used to produce the sound of two synthesizers being played in unison, one slightly detuned from the other. |
| 11. | FM PIANO | This is a special Yamaha original piano sound, that only the FM tone generation system is capable of producing. Only the keyboard touch and damper functions are used. The MW, FC and BC are not used. |
| 12. | 8 WAY PERCUSSION | Using the NOTE LIMIT function of the TX816, this allocates 8 different percussion sounds to the respective keys, beginning from the lower and progressing to the upper. |
| 13. | BASS-ELECTRIC PIANO + SPLIT | Turning down the MW, FC and BC produces the sound of the bass on the lower keys, while the upper keys will produce the sound of a clavinet. Turning up the MW will add the sound of the electric piano to the upper keys, while the FC will add the sound of an electric organ. The BC will add the sound of a trumpet across the entire frequency range. |
| 14. | E. PIANO/ STRINGS/ BRASS MIX | The normal mode of this voice produces the M1 and M2 electric piano sound. Pressing down on the FC will mix the sound of strings to the electric piano, while using the BC will add brass. |
| 15. | GUITAR-OBOE STRINGS | The MW will split the sound of an acoustic guitar to the lower keys, while the BC splits the sound of an oboe to the upper keys, forming an oboe solo with guitar accompanyment. Pressing down on the FC will add the sound of strings across the entire frequency range. |
| 16. | PLUCK SPECIAL | This is a special sound, belonged to the PLUCKED sound category. M1 and M2 form the basic tensioned plucked sound, while M3 and M4 produce a pitch EG-modulated continuous sound that sounds like the attack time has been changed. The MW can be used so that the M5 and M6 sounds are produced in alternation from the left and right channels, while the FC can be used to produce the M7 and M8 bell sound. |
| 17. | PIANO/ CHOIR | Turning down the FC will produce the sound of an acoustic piano, while gradually pressing down on the FC adds the sound of a male choir. |
| 18. | BELL → VOICE | Turn down the FC. When a given key on the keyboard is pressed, first the BIG TUBES sound will be produced, and while this sound is decaying, the DREAM VOICE sound will enter. Holding the key down even longer will cause the INNER SPACE sound to be produced. Pressing down the FC will produce the VOICES sound. If the sustain pedal is being held down, the voices will change in order as outline above, even if the original key is released. |
| 19. | FALLING → | This sound reproduces the effect of glittering falling stars, followed by a slow attack sine wave synthesizer sound. |

| 20. | PRETTY POWER | This powerful sound is a combination of many exotic ingredients. |
|---|---|---|
| 21. | FULL ORCHESTRA | For this composite sound, the FC controls the strings sound, the BC controls the brass sounds, while the MW controls the tympani. In combination, these sounds will create the sound of an orchestra. |
| 22. | JAZZ ORCHESTRA SPLIT | The lower keys are used for producing the sound of a plucked bass and ride cymbal. For the upper keys, the MW controls the flutes, the BC controls the saxophones and the FC controls the trumpets and trombones. Following the flute and saxophone solos, a TUTTI performance effect can be produced. |
| 23. | CELLOS/ HORNS | The MW controls the cellos, while the FC controls the horns, for this darker and heavier sound. |

Following 24, each individual module contains a different voice. The information for these voices are as follows.
Modules 1 and 2 form a DOUBLE VOICE together.

| 24. | AFRICAN MALLETS | This sound has a very ethnic African flavor. |
|---|---|---|
| 25. | PLANET OF ICE | This is a very dreamy, fantastic sound. |
| 26. | FLOATING CLOUDS | This sound gives the feeling of a person riding on a cloud, floating on air. |
| 27. | GLASS WIND CHIMES | This glass wind chimes sound tinkles from right to left |
| 28. | HARPSICHORD | This sound is that of an orthodox harpsichord. |
| 29. | CLAV | This sound is that of a normal clavinet. |
| 30. | VIBES | The MW can be used to reproduce the pitch vibrato effect. |
| 31. | DOUBLE HARP | This sound reproduces very subtle differences in the attack. |
| 32. | BELL TREES | Use a glissando technique for this sound. It will give a lingering effect, just like the real thing. |

Modules 3 ~ 6 each contain individual wind instruments, string instruments, percussion instruments and sound effect sounds. These can be used as sounds for solo instruments when performing with a sequencer.

Module 7 contains nine different types of bass sounds.

Module 8 contains PERCUSSION sounds. When connecting the QX → TX816 → RX, connect the RX to THRU of module 8 on the TX816, and sound it using the channel information, and also set the NOTE LIMIT function to E3 and above, enabling the voices of module 8 to be used as well.

# ABOUT THE INCLUDED FLOPPY DISK

● The included 5.25 inch disk is for back-up use of TX816 Voice and Function Data. On it are voice and function data set at the time you received your TX816. YAMAHA QX1 DIGITAL SEQUENCER RECORDER is needed to use this disk.
Please load it into the TX816 by using the QX1 UTILITY MODE, JOB COMMAND 22 BULK OUT. The BULK DIRECTORY is as shown below.

| 1 | SLOT 1 AV | All Voice (32 Voice) data in the TX816 MODULE 1 |
|---|---|---|
| 2 | SLOT 2 AV | |
| ⋮ | ⋮ | |
| 9 | SLOT 1 AF | All Function (32 Function) data in the TX816 MODULE 1 |
| ⋮ | ⋮ | |
| 16 | SLOT 8 AF | |

Once the TX816 has received all of this Bulk Data, the LED display will show "AV" or "AF". Make sure this is displayed before continuing on to the next loading.

● Demonstration performance data are also on the disk. Play back "CHAIN 1 DEMO". This will give performance examples for voices 1 through 23 in order.

● **Procedure for connecting MIDI in playback**

```
┌──────────────┐
│   T X 816    │
│              │  ······ Put each unit to the COMMON setting.
│ COMMON   IN  │
└──────▲───────┘
       │
┌──────┴───────┐
│ MIDI  OUT  1 │
│              │
│    Q X 1     │
└──────────────┘
```
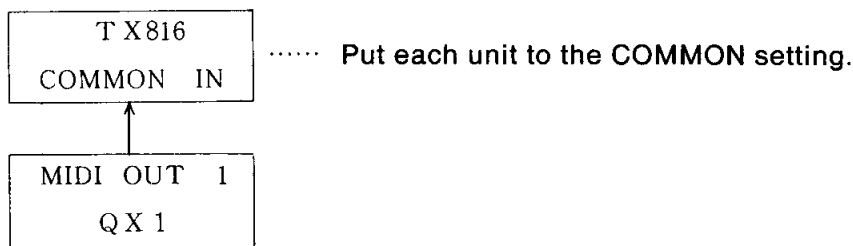
This demonstration was recorded in a QX1 in real time using one DX7. It shows the performance which can be obtained when just one DX7 is connected.

### [ CAUTION ]

The data described in this performance notes are not loaded into the TX816 for the production number up to 1240. For the user of those TX816, please use the QX1 digital sequence recorder for loading the data provided in the enclosed floppy disk.

# DATA TABLES

1. These data tables show the voice data and function data for each module of the TX816 in table form. Use these as reference when editing. The Voice No., module No., and Voice Title are shown above and to the left of each table.

   (Example)

   1  —  1    PIANO  L

   VOICE NO.  MODULE NO.  VOICE TITLE
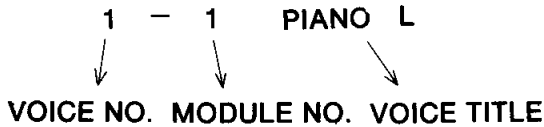
   For voices 1 to 23, these are arranged as follows: 1—1, 1—2, 1—3,.... 23—6, 23—7, 23—8. However, please note that for 24 and above, modules 1 and 2 together form one voice, while all other modules have been set to different individual voices, so the order is different.

2. For each function in these data tables, the range values for the modulation wheel, foot control, breath control, and after touch are 0 ~ 99 when used in conjunction with a DX7, but the TX816 actually handles the range of 0 ~ 15.

| TX816 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DX7 | 0 | 6 | 13 | 19 | 26 | 33 | 39 | 46 | 53 | 59 | 66 | 72 | 79 | 86 | 92 | 99 |

   (The range values for the modulation wheel, foot control, breath control, and after touch sent from the DX7 are changed automatically as shown in the table above.)

3. Procedure for function editing
   For voices which are set to control volume through the breath controller, breath control can be turned off or volume control can be changed to the foot controller by function editing, as shown below.
   (Example)
   This example shows the editing procedure for 4 — 1 MALE BASS 1, using a DX7. The function data for the effect controllers of this voice are as shown below.

```
< MODULATION >

                 MOD      F.C      B.C     A.TCH

  range          00       99       99       46
  pitch          OFF      OFF      OFF      ON
  amp            OFF      OFF      OFF      OFF
  EG-bias        OFF      OFF      ON       OFF
```

As can be seen from the table on the previous page, the EG-BIAS is controlled by breath control (for B.C, range = 99, EG-bias = ON).

Thus, if the EG-BIAS is turned OFF, the breath controller will no longer work.

(1) Turning the breath control OFF
   • Connect the DX7 MIDI OUT jack to the TX816 COMMON IN jack, and put Module 1 to the COMMON setting.
   • Press the DX7 FUNCTION MODE 8. "SYS INFO UNAVAIL" will be indicated. Then press + 1/ YES, and "SYS INFO AVAIL" will be indicated.
   • Next, press the FUNCTION MODE 28 BREATH CONTROL "EG BIAS". At this time, if the EG-BIAS is OFF, the display will indicate OFF, but if it is ON, press − 1/ NO, and OFF will be displayed. Breath control has now been turned OFF.
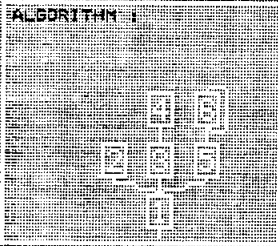
(2) Changing to the foot control
   • Next, press the DX7 FUNCTION MODE 24 FOOT CONTROL "EG BIAS". At this time, if the EG BIAS is ON, ON will be displayed, but if it is OFF, press + 1/ YES, and ON will be displayed. As the foot control range is preset to 99, foot control is now possible.
   • If this is the desired setting, please store the edited data in the TX816.

* When DX7 system information is available (SYS INFO AVAIL), the parameter indicated by the LCD is transmitted when a switch is used in the DX7 EDIT MODE or FUNCTION MODE. For details, please refer to the owner's manual.

# 1-1  PIANO  L

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | AC.PNO 1.1 | | | | | | | | |
| | | 99 | 99 | 99 | 99 | 49 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +0 | 70 | 23 | 17 | 46 | 99 | 79 | 00 | 00 | 00 | -L | D#2 | 00 | -L | 6 | 0 | 3 | 99 |
| 2 | F | 74.13 | 87 | +0 | 66 | 61 | 64 | 55 | 99 | 82 | 00 | 00 | 20 | -L | A 7 | 00 | -L | 1 | 0 | 2 | 80 |
| 3 | N | 01.00 | 00 | -1 | 65 | 15 | 13 | 43 | 99 | 88 | 00 | 00 | 00 | -L | C 4 | 95 | -L | 3 | 0 | 1 | 77 |
| 4 | N | 04.00 | 00 | +1 | 64 | 14 | 11 | 43 | 99 | 88 | 00 | 00 | 00 | +L | C 0 | 87 | -E | 6 | 0 | 1 | 77 |
| 5 | N | 20.00 | 00 | +2 | 72 | 16 | 00 | 42 | 99 | 92 | 00 | 00 | 20 | -L | G#0 | 84 | -L | 4 | 0 | 3 | 72 |
| 6 | N | 08.00 | 00 | +7 | 94 | 19 | 00 | 42 | 99 | 92 | 00 | 00 | 08 | +L | B 1 | 00 | -L | 0 | 0 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 01  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

# 1-2  PIANO  R

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | AC.PNO 1.2 | | | | | | | | |
| | | 99 | 99 | 99 | 99 | 49 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +7 | 70 | 23 | 17 | 46 | 99 | 79 | 00 | 00 | 00 | -L | D#2 | 00 | -L | 6 | 0 | 3 | 99 |
| 2 | F | 74.13 | 87 | +7 | 66 | 61 | 64 | 55 | 99 | 82 | 00 | 00 | 20 | -L | A 7 | 00 | -L | 1 | 0 | 2 | 80 |
| 3 | N | 01.00 | 00 | +3 | 65 | 15 | 13 | 43 | 99 | 88 | 00 | 00 | 00 | -L | F 2 | 09 | -L | 3 | 0 | 1 | 77 |
| 4 | N | 05.00 | 00 | +5 | 64 | 14 | 11 | 43 | 99 | 88 | 00 | 00 | 00 | +L | C 0 | 87 | -E | 6 | 0 | 1 | 77 |
| 5 | N | 20.00 | 00 | +7 | 72 | 16 | 00 | 42 | 99 | 92 | 00 | 00 | 20 | -L | G#0 | 84 | -L | 4 | 0 | 3 | 72 |
| 6 | N | 08.00 | 00 | +0 | 94 | 19 | 00 | 42 | 99 | 92 | 00 | 00 | 08 | +L | B 1 | 00 | -L | 0 | 0 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 01  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 1-3 BASS END

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | PNO.B 1.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 16 | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | | |
| SYNC | OFF | | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +0 | 80 | 28 | 15 | 43 | 99 | 96 | 00 | 00 | | 99 | +L | C 4 | 67 | -L | 2 | 0 | 2 | 90 |
| 2 | | F 109.6 | 04 | +0 | 75 | 73 | 44 | 86 | 99 | 53 | 07 | 00 | | 00 | -L | C 3 | 11 | -L | 1 | 0 | 2 | 71 |
| 3 | | N 01.00 | 00 | -1 | 77 | 72 | 10 | 37 | 99 | 99 | 00 | 83 | | 00 | -L | G 3 | 14 | -L | 4 | 0 | 1 | 77 |
| 4 | | N 05.00 | 00 | +2 | 78 | 72 | 11 | 41 | 99 | 98 | 00 | 00 | | 20 | +L | D 3 | 74 | -L | 2 | 0 | 1 | 68 |
| 5 | | N 02.00 | 00 | +0 | 78 | 72 | 14 | 50 | 99 | 96 | 00 | 00 | | 25 | +L | G 3 | 30 | -L | 4 | 0 | 3 | 69 |
| 6 | | N 19.00 | 00 | +2 | 82 | 31 | 30 | 39 | 87 | 71 | 00 | 37 | | 20 | +L | F 3 | 67 | -L | 5 | 0 | 2 | 44 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 1-4 TREBLE END

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | AC.PNO 1.4 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 11 | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +2 | 93 | 90 | 20 | 42 | 99 | 80 | 00 | 00 | | 00 | -L | D#2 | 00 | -L | 2 | 0 | 4 | 99 |
| 2 | | N 02.00 | 00 | -2 | 93 | 90 | 20 | 40 | 99 | 80 | 00 | 00 | | 00 | -L | D#2 | 00 | -L | 7 | 0 | 2 | 76 |
| 3 | | N 06.00 | 00 | +0 | 93 | 35 | 01 | 30 | 99 | 80 | 00 | 00 | | 10 | -L | C 8 | 00 | -L | 7 | 0 | 2 | 79 |
| 4 | C | N 01.00 | 00 | +2 | 72 | 09 | 11 | 42 | 99 | 86 | 00 | 00 | | 00 | +L | C 0 | 00 | -E | 5 | 0 | 4 | 99 |
| 5 | | N 01.00 | 00 | -3 | 94 | 16 | 00 | 42 | 99 | 92 | 00 | 00 | | 00 | -L | G#0 | 00 | -L | 0 | 0 | 2 | 70 |
| 6 | | N 03.00 | 00 | +3 | 93 | 40 | 00 | 19 | 99 | 80 | 00 | 00 | | 00 | +L | B 1 | 00 | -L | 0 | 0 | 3 | 54 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**14**

## 1-5  PIANO SOLID

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | AC.PNO 1.5 | | | | | | | | | |
| | | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 11 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 5 | | | | | | | | |
| SYNC | ON | | SQU | 35 | 00 | 00 | 00 | ON | 0 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +0 | 88 | 28 | 27 | 50 | 99 | 90 | 00 | 00 | 99 | +L | A#3 | 00 | −L | 3 | 0 | 2 | 95 |
| 2 | | N | 01.00 | 00 | −2 | 88 | 92 | 71 | 63 | 99 | 67 | 91 | 90 | 12 | +L | C 3 | 20 | −L | 3 | 0 | 1 | 90 |
| 3 | | N | 05.00 | 00 | +2 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | −L | D 0 | 99 | −E | 4 | 0 | 6 | 79 |
| 4 | C | F | 1.000 | 00 | −4 | 88 | 60 | 15 | 28 | 99 | 94 | 00 | 00 | 00 | −L | A#3 | 00 | −L | 4 | 0 | 1 | 99 |
| 5 | | F | 100.0 | 00 | +3 | 77 | 70 | 72 | 34 | 48 | 96 | 00 | 00 | 00 | −L | F#5 | 00 | −L | 0 | 0 | 4 | 95 |
| 6 | | N | 01.00 | 00 | +0 | 95 | 20 | 49 | 39 | 92 | 52 | 00 | 00 | 05 | +L | A 3 | 10 | −L | 4 | 0 | 1 | 85 |
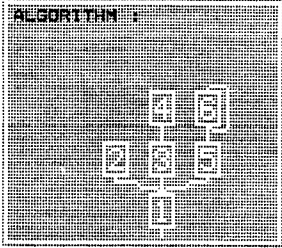
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C −2     HIGH:G 8


## 1-6  PIANO BRIGHT

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | AC.PNO 1.6 | | | | | | | | | |
| | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | | | | | | | |
| SYNC | OFF | | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +0 | 80 | 28 | 15 | 43 | 99 | 96 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 2 | 0 | 3 | 99 |
| 2 | | F | 109.6 | 04 | +0 | 75 | 73 | 44 | 86 | 99 | 53 | 07 | 00 | 00 | −L | C 3 | 11 | −L | 1 | 0 | 2 | 91 |
| 3 | | N | 01.00 | 00 | −1 | 77 | 72 | 10 | 37 | 99 | 99 | 00 | 83 | 00 | −L | G 3 | 14 | −L | 4 | 0 | 2 | 82 |
| 4 | | N | 03.00 | 00 | +5 | 78 | 72 | 11 | 41 | 99 | 98 | 00 | 00 | 20 | +L | G#3 | 48 | −L | 2 | 0 | 1 | 68 |
| 5 | | N | 02.00 | 00 | +0 | 78 | 72 | 14 | 50 | 99 | 96 | 00 | 00 | 25 | +L | G 3 | 30 | −L | 4 | 0 | 3 | 69 |
| 6 | | N | 24.30 | 62 | +2 | 82 | 49 | 24 | 39 | 87 | 73 | 00 | 37 | 20 | +L | F 3 | 67 | −L | 5 | 0 | 6 | 60 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 005 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C −2     HIGH:G 8

## 1-7 HAMMER NOISE

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| AC.PNO 1.7 | | 00 | 00 | 00 | 00 | | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 26 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | SQU | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > | | | | | R | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | | | | | | | | | LD | LC | BP | RD | RC | | M | V | |
| 1 | C | N 01.00 | 00 | +0 | 88 | 57 | 71 | 63 | 99 | 00 | 00 | 00 | 12 | +L | C 3 | 20 | -L | 2 | 0 | 1 | 99 |
| 2 | C | N 01.00 | 00 | -2 | 88 | 57 | 71 | 63 | 99 | 00 | 00 | 00 | 12 | +L | C 3 | 20 | -L | 2 | 0 | 1 | 99 |
| 3 | | N 01.00 | 00 | +2 | 88 | 57 | 71 | 63 | 99 | 00 | 00 | 00 | 12 | +L | C 3 | 20 | -L | 2 | 0 | 6 | 80 |
| 4 | C | F 1.000 | 00 | -4 | 88 | 71 | 15 | 68 | 99 | 94 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 4 | 0 | 1 | 99 |
| 5 | | F 239.9 | 38 | +3 | 99 | 60 | 82 | 34 | 98 | 96 | 00 | 00 | 00 | -L | F#5 | 00 | -L | 0 | 0 | 1 | 88 |
| 6 | | N 00.50 | 00 | +0 | 95 | 66 | 49 | 39 | 92 | 52 | 00 | 00 | 05 | +L | A 3 | 10 | -L | 4 | 0 | 1 | 84 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 1-8 UPPER OCTAVE RING

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| OCT.R. 1.8 | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > | | | | | R | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | | | | | | | | | LD | LC | BP | RD | RC | | M | V | |
| 1 | C | N 01.00 | 00 | +0 | 99 | 50 | 50 | 35 | 99 | 90 | 00 | 00 | 97 | -L | G 5 | 00 | -L | 2 | 0 | 1 | 99 |
| 2 | | N 01.01 | 01 | +0 | 99 | 78 | 52 | 48 | 99 | 90 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 50 |
| 3 | C | N 01.00 | 00 | +0 | 99 | 78 | 52 | 35 | 99 | 90 | 00 | 00 | 00 | -L | C 4 | 00 | -L | 3 | 0 | 4 | 72 |
| 4 | | N 02.00 | 00 | +0 | 99 | 78 | 52 | 35 | 99 | 90 | 99 | 00 | 00 | -L | A-. | 00 | -L | 0 | 0 | 3 | 57 |
| 5 | C | N 02.00 | 00 | -7 | 99 | 78 | 52 | 36 | 99 | 90 | 00 | 00 | 99 | -L | F#6 | 00 | -L | 1 | 0 | 0 | 99 |
| 6 | | N 01.00 | 00 | +0 | 99 | 78 | 52 | 48 | 99 | 90 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 42 |
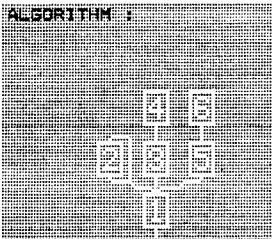
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 66 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 2-1 STRINGS LIGHT 1 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | STRGS  2.1 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | SIN | 40 | 33 | 40 | 00 | OFF | 1 |
| SYNC | OFF | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | F | 2.818 | 45 | -1 | 45 | 30 | 25 | 44 | 94 | 98 | 97 | 00 | 00 | -L | D#2 | 05 | -L | 2 | 3 | 4 | 99 |
| 2 | N | 01.00 | 00 | -2 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 10 | -L | 1 | 0 | 0 | 82 |
| 3 | N | 01.00 | 00 | -1 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 | 0 | 70 |
| 4 | N | 01.00 | 00 | -1 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 72 |
| 5 | N | 02.00 | 00 | -1 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 20 | -L | 3 | 0 | 1 | 68 |
| 6 | N | 05.00 | 00 | -1 | 53 | 64 | 32 | 54 | 70 | 89 | 84 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 | 0 | 93 |
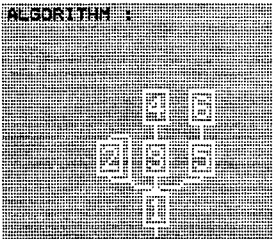
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 01 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 2-2 STRINGS LIGHT 2 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | STRGS  2.2 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | SIN | 45 | 33 | 64 | 00 | OFF | 1 |
| SYNC | OFF | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | F | 1.995 | 30 | -7 | 49 | 30 | 25 | 44 | 94 | 98 | 97 | 00 | 00 | -L | D#2 | 05 | -L | 2 | 3 | 4 | 99 |
| 2 | N | 01.00 | 00 | -5 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 82 |
| 3 | N | 01.00 | 00 | -7 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 | 0 | 70 |
| 4 | N | 01.00 | 00 | -7 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 72 |
| 5 | N | 02.00 | 00 | -7 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 17 | -L | 3 | 0 | 1 | 64 |
| 6 | N | 05.00 | 00 | -7 | 53 | 64 | 32 | 54 | 70 | 89 | 84 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 | 0 | 93 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**17**

## 2-3 STRINGS HEAVY 1 FC

**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| STRG.H.2.3 | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | SIN | 35 | 02 | 50 | 00 | OFF | 1 |
| F.B | 7 | | | | | | | |
| SYNC | OFF | | | | | | | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.01 | 01 | -7 | 46 | 41 | 25 | 43 | 80 | 98 | 97 | 00 | 00 | -L | A#2 | 17 | -L | 3 | 3 | 3 | 99 |
| 2 | | N | 01.00 | 00 | -1 | 68 | 81 | 15 | 47 | 82 | 90 | 91 | 00 | 04 | +L | G 3 | 04 | -L | 2 | 0 | 0 | 80 |
| 3 | | N | 01.00 | 00 | +1 | 89 | 45 | 35 | 46 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 57 |
| 4 | | N | 03.00 | 00 | -1 | 96 | 50 | 32 | 47 | 98 | 94 | 92 | 00 | 00 | -L | A 3 | 24 | -L | 3 | 0 | 0 | 84 |
| 5 | | N | 01.00 | 00 | +1 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 22 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 07.00 | 00 | -1 | 84 | 77 | 32 | 37 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 0 | 66 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|---|---|---|---|
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|---|---|---|
| 007 | 03 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT   LOW:C -2   HIGH:G 8

## 2-4 STRINGS HEAVY 2 FC

**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| STRG.H.2.4 | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | SIN | 30 | 02 | 43 | 00 | OFF | 1 |
| F.B | 7 | | | | | | | |
| SYNC | OFF | | | | | | | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 00.99 | 99 | -1 | 44 | 41 | 25 | 43 | 80 | 98 | 97 | 00 | 00 | -L | A#2 | 17 | -L | 3 | 3 | 3 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 68 | 81 | 15 | 47 | 82 | 90 | 91 | 00 | 04 | +L | G 3 | 04 | -L | 2 | 0 | 0 | 80 |
| 3 | | N | 01.00 | 00 | -6 | 89 | 45 | 35 | 46 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 57 |
| 4 | | N | 03.00 | 00 | -2 | 96 | 50 | 32 | 47 | 98 | 94 | 92 | 00 | 00 | -L | A 3 | 24 | -L | 3 | 0 | 0 | 84 |
| 5 | | N | 01.00 | 00 | -7 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 22 | -L | 4 | 0 | 0 | 70 |
| 6 | | N | 09.00 | 00 | -7 | 84 | 77 | 32 | 37 | 98 | 96 | 91 | 00 | 28 | +L | D#3 | 13 | -L | 7 | 0 | 0 | 66 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|---|---|---|---|
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|---|---|---|
| 007 | 04 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT   LOW:C -2   HIGH:G 8

**18**

## 2-5 STRINGS MELLOW 1 FC

TX816 VOICE DATA

| ALGORITHM | | < NAME > | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | STRG.M.2.5 | | | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 39 | 02 | 39 | 00 | OFF | 1 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | -5 | 43 | 30 | 25 | 43 | 94 | 98 | 97 | 00 | 00 | -L | D#3 | 15 | -L | 3 | 3 | 2 | 99 |
| 2 | N | 01.00 | 00 | +0 | 68 | 81 | 15 | 47 | 82 | 90 | 91 | 00 | 07 | +L | G 3 | 17 | -L | 2 | 0 | 0 | 80 |
| 3 | N | 02.00 | 00 | +1 | 89 | 45 | 35 | 46 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 61 |
| 4 | N | 03.00 | 00 | +0 | 96 | 50 | 32 | 47 | 98 | 94 | 92 | 00 | 00 | -L | F 2 | 14 | -L | 3 | 0 | 1 | 80 |
| 5 | N | 01.00 | 00 | +1 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | N | 05.00 | 00 | -1 | 84 | 77 | 32 | 37 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 2 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 05 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 2-6 STRINGS MELLOW 2 FC

TX816 VOICE DATA

| ALGORITHM | | < NAME > | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | STRG.M.2.6 | | | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 38 | 02 | 55 | 00 | OFF | 1 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.01 | 01 | -7 | 43 | 30 | 25 | 43 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 3 | 98 |
| 2 | N | 01.00 | 00 | -2 | 68 | 81 | 15 | 47 | 82 | 90 | 91 | 00 | 07 | +L | G 3 | 17 | -L | 2 | 0 | 0 | 80 |
| 3 | N | 02.00 | 00 | -1 | 89 | 45 | 35 | 46 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 61 |
| 4 | N | 03.00 | 00 | -1 | 96 | 50 | 32 | 47 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 80 |
| 5 | N | 01.00 | 00 | -6 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | N | 05.00 | 00 | +0 | 84 | 77 | 32 | 37 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 2 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 005 | 06 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**19**

## 2-7 STRINGS LIGHT 3 FC

TX816 VOICE DATA

**ALGORITHM:**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| STRGS 2.7 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 | |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 42 | 33 | 64 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | F | 1.995 | 30 | +0 | 46 | 30 | 25 | 50 | 94 | 98 | 97 | 00 | 00 | -L | D#2 | 10 | -L | 1 | 3 | 4 | 99 |
| 2 | | N | 01.01 | 01 | -5 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 83 |
| 3 | | N | 01.00 | 00 | -5 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 | 0 | 70 |
| 4 | | N | 01.00 | 00 | -1 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 72 |
| 5 | | N | 02.00 | 00 | -2 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 39 | -L | 3 | 0 | 0 | 62 |
| 6 | | N | 07.00 | 00 | -6 | 53 | 64 | 32 | 54 | 70 | 89 | 84 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 | 0 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8


## 2-8 SOLO VIOLIN MW

TX816 VOICE DATA

**ALGORITHM:**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| VIOLIN 2.8 | | 87 | 94 | 00 | 00 | 49 | 50 | 50 | 50 | |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 02 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 40 | 29 | 10 | 00 | ON | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | F | 2.239 | 35 | -1 | 41 | 17 | 16 | 48 | 99 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 5 | 99 |
| 2 | | N | 02.00 | 00 | +0 | 99 | 14 | 07 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | -L | 1 | 0 | 0 | 77 |
| 3 | C | N | 02.00 | 00 | -2 | 53 | 18 | 17 | 56 | 99 | 75 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 4 | | N | 02.00 | 00 | -5 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | +L | G 3 | 13 | -L | 3 | 0 | 1 | 87 |
| 5 | | N | 08.00 | 00 | -5 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 03 | -L | B 2 | 18 | -L | 2 | 0 | 2 | 78 |
| 6 | | F | 2042. | 31 | -3 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 00 | +L | F#2 | 45 | -L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 08 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-1  CLOSED PIPE  MW

TX816 VOICE DATA

ALGORITHM:

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| P.ORG  3.1 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 03 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 25 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 3 | | | | | | | |
| SYNC | OFF | SIN | 35 | 63 | 00 | 00 | OFF | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | N | 00.50 | 00 | +5 | 77 | 80 | 74 | 48 | 99 | 97 | 99 | 00 | 13 | +L | G#2 | 10 | -L | 2 | 3 | 0 | 99 |
| 2 | C | N | 04.00 | 00 | +5 | 99 | 99 | 57 | 64 | 57 | 52 | 99 | 00 | 00 | -L | A-1 | 30 | -L | 0 | 3 | 0 | 99 |
| 3 | C | N | 02.00 | 00 | +1 | 76 | 80 | 22 | 63 | 99 | 99 | 99 | 00 | 13 | -L | G#2 | 15 | -L | 4 | 3 | 1 | 95 |
| 4 | C | N | 02.00 | 00 | +5 | 73 | 80 | 22 | 50 | 79 | 99 | 99 | 00 | 00 | -L | A-1 | 20 | -L | 0 | 3 | 0 | 98 |
| 5 | C | N | 10.00 | 00 | +5 | 88 | 68 | 22 | 75 | 60 | 99 | 99 | 00 | 00 | -L | A-1 | 50 | -E | 0 | 3 | 2 | 98 |
| 6 | | N | 04.00 | 00 | +0 | 89 | 80 | 22 | 65 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 31 | -E | 0 | 0 | 3 | 82 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | follo    OFF    00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 006 | 07       00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 00 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 3-2  OPEN PIPE

TX816 VOICE DATA

ALGORITHM:

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| P.ORG  3.2 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | F | 1.148 | 06 | +0 | 60 | 99 | 99 | 42 | 99 | 99 | 99 | 00 | 64 | -L | A#3 | 00 | -L | 5 | 0 | 2 | 99 |
| 2 | | N | 01.00 | 00 | -7 | 67 | 41 | 99 | 43 | 53 | 99 | 99 | 00 | 00 | -L | C 3 | 17 | -L | 3 | 0 | 3 | 86 |
| 3 | C | F | 1.445 | 16 | +0 | 55 | 99 | 99 | 45 | 99 | 99 | 99 | 00 | 66 | -L | G#4 | 00 | -L | 5 | 0 | 1 | 99 |
| 4 | | N | 02.00 | 00 | -7 | 67 | 41 | 99 | 51 | 53 | 99 | 99 | 25 | 00 | -L | G 3 | 10 | -L | 3 | 0 | 5 | 78 |
| 5 | C | F | 1.660 | 22 | +0 | 46 | 99 | 99 | 48 | 99 | 99 | 99 | 00 | 60 | -L | C 4 | 00 | -L | 5 | 0 | 3 | 98 |
| 6 | | N | 03.00 | 00 | -7 | 36 | 50 | 99 | 50 | 60 | 99 | 99 | 00 | 00 | -L | F 3 | 14 | -L | 3 | 0 | 4 | 73 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | follo    OFF    00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 007 | 07       00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 3-3 LOW MID PIPE FC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| P.ORG 3.3 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 19 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +0 | 45 | 25 | 25 | 36 | 99 | 99 | 98 | 00 | 00 | -L | D 3 | 50 | -L | 5 | 3 | 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 99 | 97 | 62 | 47 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 90 |
| 3 | | N | 01.00 | 00 | +0 | 99 | 97 | 62 | 47 | 99 | 99 | 90 | 00 | 17 | +L | G 3 | 40 | -L | 5 | 0 | 0 | 75 |
| 4 | C | N | 04.00 | 00 | +0 | 61 | 25 | 25 | 50 | 99 | 99 | 97 | 00 | 10 | -L | A 4 | 10 | -L | 3 | 3 | 0 | 88 |
| 5 | C | N | 02.00 | 00 | +0 | 61 | 25 | 25 | 61 | 99 | 99 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 97 |
| 6 | | N | 10.00 | 00 | +0 | 72 | 25 | 25 | 70 | 99 | 99 | 99 | 00 | 10 | -L | G 3 | 01 | +L | 3 | 0 | 2 | 76 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-4 REEDS FC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| P.ORG 3.4 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 19 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +0 | 45 | 25 | 25 | 36 | 99 | 99 | 98 | 00 | 00 | -L | D 3 | 50 | -L | 5 | 3 | 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 99 | 97 | 62 | 47 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 90 |
| 3 | | N | 01.00 | 00 | +0 | 99 | 97 | 62 | 47 | 99 | 99 | 90 | 00 | 17 | +L | G 3 | 40 | -L | 5 | 0 | 0 | 75 |
| 4 | C | N | 04.00 | 00 | +0 | 61 | 25 | 25 | 50 | 99 | 99 | 97 | 00 | 10 | -L | A 4 | 10 | -L | 3 | 3 | 0 | 88 |
| 5 | C | N | 02.00 | 00 | +0 | 61 | 25 | 25 | 61 | 99 | 99 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 97 |
| 6 | | N | 10.00 | 00 | +0 | 72 | 25 | 25 | 70 | 99 | 99 | 99 | 00 | 10 | -L | G 3 | 01 | +L | 3 | 0 | 2 | 76 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-5 FEMALE VOCAL BC

TX816 VOICE DATA
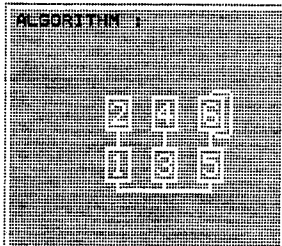
| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| VOICE 3.5 | | 18 | 25 | 99 | 99 | 49 | 49 | 50 | 50 | |

| ALGO | 01 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 4 | | | | | | | |
| SYNC | ON | SIN | 39 | 35 | 91 | 02 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | -7 | 51 | 55 | 53 | 64 | 61 | 88 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 69 | 83 | 80 | 98 | 69 | 81 | 96 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 3 | C | N | 01.00 | 00 | +0 | 42 | 20 | 53 | 57 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 4 | | N | 01.02 | 02 | -5 | 72 | 56 | 41 | 12 | 48 | 67 | 71 | 09 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 5 | | F | 2692. | 43 | -1 | 35 | 21 | 36 | 63 | 99 | 97 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 55 |
| 6 | | N | 01.00 | 00 | -7 | 99 | 72 | 48 | 17 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 66 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 00 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-6 MALE BASS BC

TX816 VOICE DATA

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| VOICE 3.6 | | 75 | 80 | 75 | 60 | 50 | 50 | 50 | 50 | |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 2 | | | | | | | |
| SYNC | ON | SIN | 29 | 44 | 16 | 00 | OFF | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 03.00 | 00 | -7 | 48 | 80 | 22 | 60 | 99 | 99 | 99 | 00 | 05 | -L | E 3 | 99 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 99 | 80 | 22 | 76 | 99 | 95 | 95 | 96 | 00 | -L | D#2 | 62 | -L | 0 | 0 | 0 | 88 |
| 3 | C | F | 2692. | 43 | +7 | 40 | 80 | 22 | 64 | 99 | 99 | 99 | 00 | 25 | -L | D 3 | 26 | -L | 0 | 3 | 0 | 70 |
| 4 | | N | 01.00 | 00 | +0 | 60 | 20 | 22 | 50 | 99 | 99 | 97 | 00 | 00 | -L | F 1 | 16 | -L | 0 | 0 | 0 | 83 |
| 5 | C | F | 2.512 | 40 | +1 | 48 | 80 | 22 | 54 | 99 | 99 | 99 | 00 | 00 | -L | D 2 | 03 | -L | 0 | 3 | 0 | 85 |
| 6 | | N | 00.99 | 99 | +7 | 99 | 80 | 22 | 30 | 99 | 99 | 99 | 99 | 00 | -L | A 1 | 22 | -L | 0 | 0 | 0 | 92 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 19 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-7 MALE ALTO BC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|---|
| VOICE 3.7 | | 18 | 25 | 99 | 99 | 49 | 49 | 50 | 50 |

| | | < LFO > |
|---|---|---|

| ALGO | 01 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | | | | | | | |
| F.B | 4 | | | | | | | |
| SYNC | ON | SIN | 34 | 35 | 91 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 02.00 | 00 | +7 | 51 | 55 | 53 | 64 | 61 | 88 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 97 |
| 2 | | N | 01.00 | 00 | -7 | 69 | 83 | 80 | 98 | 69 | 81 | 96 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 3 | C | N | 01.00 | 00 | +5 | 42 | 20 | 53 | 57 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 4 | | N | 01.02 | 02 | +5 | 72 | 56 | 41 | 12 | 48 | 69 | 72 | 09 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 5 | | F | 3311. | 52 | +6 | 35 | 21 | 36 | 63 | 99 | 97 | 94 | 00 | 00 | -L | G 3 | 47 | -L | 0 | 0 | 1 | 55 |
| 6 | | N | 01.00 | 00 | +5 | 99 | 72 | 48 | 17 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 71 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 19 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 3-8 BASS PIPES FC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|---|
| P.ORG 3.8 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 12 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | | | | | | | |
| F.B | 6 | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 02.00 | 00 | +0 | 57 | 25 | 25 | 49 | 99 | 99 | 98 | 00 | 00 | -L | D 3 | 28 | -L | 3 | 3 | 0 | 99 |
| 2 | | N | 00.50 | 00 | -1 | 59 | 52 | 55 | 50 | 84 | 80 | 78 | 00 | 25 | +L | B 2 | 10 | -L | 3 | 0 | 0 | 75 |
| 3 | C | F | 1.000 | 00 | +6 | 60 | 97 | 62 | 35 | 99 | 99 | 99 | 00 | 12 | +L | D 3 | 53 | -L | 5 | 3 | 0 | 99 |
| 4 | | N | 00.50 | 00 | +2 | 61 | 25 | 25 | 30 | 99 | 99 | 99 | 79 | 00 | -L | E 2 | 23 | -L | 7 | 0 | 0 | 96 |
| 5 | | N | 05.00 | 00 | -2 | 61 | 25 | 25 | 64 | 99 | 99 | 93 | 00 | 00 | -L | G 2 | 62 | -L | 3 | 0 | 1 | 59 |
| 6 | | N | 02.00 | 00 | +2 | 72 | 25 | 25 | 70 | 99 | 99 | 99 | 00 | 22 | +L | F 2 | 27 | -L | 3 | 0 | 1 | 75 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 19 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**24**

## 4-1 MALE BASS 1 BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.1 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 04 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | OFF | TRI | 37 | 48 | 49 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 02.00 | 00 | -3 | 53 | 33 | 34 | 60 | 99 | 99 | 95 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N | 01.00 | 00 | -5 | 85 | 91 | 41 | 74 | 85 | 88 | 99 | 34 | 00 | -L | A-1 | 18 | -L | 1 | 3 | 1 | 99 |
| 3 | | F | 2716. | 44 | +0 | 21 | 53 | 22 | 75 | 56 | 99 | 99 | 00 | 00 | -L | G 3 | 00 | -L | 0 | 0 | 1 | 40 |
| 4 | C | N | 03.00 | 00 | +2 | 52 | 68 | 34 | 65 | 85 | 91 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 99 |
| 5 | | N | 01.01 | 01 | +6 | 95 | 98 | 57 | 99 | 47 | 82 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 78 |
| 6 | | F | 4074. | 61 | +0 | 64 | 61 | 22 | 53 | 99 | 99 | 99 | 00 | 00 | -L | G 3 | 56 | -L | 0 | 0 | 0 | 39 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | | |
| | | | | | range | 00 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | ON |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| | | | | | EG-bias | OFF | OFF | ON | OFF |
| 007 | 07 | 00 | | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 4-2 MALE TENOR BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.2 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 13 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 3 | | | | | | | |
| SYNC | OFF | TRI | 32 | 33 | 50 | 00 | ON | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.01 | 01 | +0 | 64 | 99 | 99 | 59 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 67 | 80 | 41 | 83 | 92 | 67 | 79 | 00 | 24 | -L | D#3 | 25 | -L | 0 | 0 | 1 | 70 |
| 3 | C | N | 01.01 | 01 | +0 | 80 | 44 | 37 | 61 | 57 | 92 | 99 | 00 | 00 | -L | A 2 | 28 | -L | 0 | 3 | 1 | 99 |
| 4 | | N | 01.00 | 00 | +0 | 88 | 99 | 70 | 58 | 51 | 74 | 99 | 00 | 00 | -L | A#2 | 32 | -L | 0 | 2 | 0 | 78 |
| 5 | | F | 2399. | 38 | +0 | 85 | 99 | 45 | 53 | 29 | 61 | 83 | 00 | 00 | -L | F#3 | 39 | +L | 0 | 3 | 0 | 66 |
| 6 | | F | 3.890 | 59 | +0 | 75 | 99 | 99 | 44 | 99 | 99 | 99 | 00 | 00 | -L | C#3 | 29 | -L | 0 | 3 | 0 | 66 |
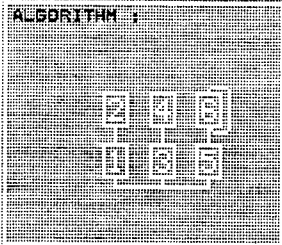
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | | |
| | | | | | range | 00 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | ON |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| | | | | | EG-bias | OFF | OFF | ON | OFF |
| 007 | 07 | 00 | | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 4-3 MALE BASS 2 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.3 | 47 | 80 | 75 | 02 | 48 | 50 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | ON | SIN | 31 | 15 | 79 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 2512. | 40 | +0 | 43 | 80 | 22 | 56 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 25 | -L | 0 | 3 | 0 | 70 |
| 2 | | N | 01.00 | 00 | +0 | 55 | 20 | 22 | 47 | 99 | 99 | 97 | 00 | 00 | -L | F 1 | 12 | -L | 0 | 0 | 0 | 82 |
| 3 | C | F | 2818. | 45 | +0 | 47 | 80 | 54 | 55 | 99 | 99 | 99 | 00 | 40 | -L | C#3 | 44 | -L | 0 | 3 | 0 | 65 |
| 4 | | N | 01.00 | 00 | -2 | 66 | 80 | 22 | 48 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 20 | -L | 0 | 0 | 0 | 92 |
| 5 | C | N | 01.00 | 00 | +0 | 62 | 80 | 22 | 51 | 99 | 99 | 99 | 00 | 00 | -L | G#2 | 00 | -L | 0 | 3 | 0 | 93 |
| 6 | | N | 01.00 | 00 | +0 | 98 | 99 | 22 | 30 | 99 | 99 | 99 | 00 | 00 | -L | F#2 | 42 | -L | 0 | 0 | 0 | 79 |
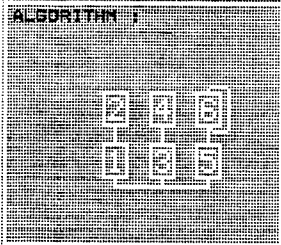
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time | < MODULATION > | | | | |
|---|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |
| POLY | follo OFF 00 | range | 00 | 99 | 00 | 46 |
| | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > range step | amp | OFF | OFF | OFF | OFF |
| | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 07 00 | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 4-4 MALE BASS 3 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.4 | 47 | 80 | 75 | 02 | 48 | 50 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | ON | SIN | 37 | 15 | 79 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 2818. | 45 | -7 | 43 | 80 | 22 | 56 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 25 | -L | 0 | 3 | 0 | 70 |
| 2 | | N | 01.00 | 00 | -7 | 55 | 20 | 22 | 47 | 99 | 99 | 97 | 00 | 00 | -L | F 1 | 12 | -L | 0 | 0 | 0 | 82 |
| 3 | C | F | 3236. | 51 | -7 | 47 | 80 | 54 | 55 | 99 | 99 | 99 | 00 | 40 | -L | C#3 | 44 | -L | 0 | 3 | 0 | 65 |
| 4 | | N | 01.00 | 00 | -7 | 66 | 80 | 22 | 48 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 20 | -L | 0 | 0 | 0 | 92 |
| 5 | C | N | 01.00 | 00 | -7 | 62 | 80 | 22 | 51 | 99 | 99 | 99 | 00 | 00 | -L | G#2 | 00 | -L | 0 | 3 | 0 | 96 |
| 6 | | N | 01.00 | 00 | -7 | 98 | 99 | 22 | 30 | 99 | 99 | 99 | 00 | 00 | -L | F#2 | 42 | -L | 0 | 0 | 0 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time | < MODULATION > | | | | |
|---|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |
| POLY | retai OFF 00 | range | 00 | 99 | 00 | 46 |
| | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > range step | amp | OFF | OFF | OFF | OFF |
| | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 06 00 | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 4-5 FEMALE VOCAL 1 MW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.5 | | 18 | 25 | 99 | 99 | 49 | 49 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 01 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 4 | | SIN | 32 | 35 | 51 | 02 | OFF | 2 |
| SYNC | ON | | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | F | 2.630 | 42 | -7 | 51 | 55 | 53 | 64 | 61 | 88 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 01.01 | 01 | -7 | 75 | 41 | 80 | 98 | 69 | 81 | 96 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 3 | C | N | 02.00 | 00 | -7 | 42 | 20 | 53 | 57 | 99 | 94 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 4 | | N | 01.02 | 02 | -7 | 72 | 56 | 41 | 12 | 48 | 67 | 73 | 09 | 00 | -L | C#3 | 30 | -L | 0 | 0 | 1 | 99 |
| 5 | | F | 2692. | 43 | -7 | 35 | 21 | 36 | 63 | 99 | 90 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 54 |
| 6 | | N | 01.00 | 00 | -7 | 99 | 72 | 48 | 17 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 66 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 04 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 4-6 FEMALE VOCAL 2 MW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 4.6 | | 18 | 25 | 99 | 99 | 49 | 49 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 01 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 4 | | SIN | 40 | 35 | 54 | 00 | OFF | 2 |
| SYNC | ON | | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | N | 02.00 | 00 | +7 | 51 | 55 | 53 | 64 | 61 | 88 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 85 |
| 2 | | N | 01.01 | 01 | +6 | 69 | 83 | 80 | 98 | 69 | 81 | 96 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 3 | C | N | 01.00 | 00 | +6 | 42 | 20 | 53 | 57 | 99 | 94 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 4 | | N | 01.02 | 02 | +5 | 72 | 56 | 41 | 12 | 48 | 67 | 67 | 09 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 5 | | F | 2692. | 43 | +6 | 35 | 21 | 36 | 63 | 99 | 90 | 85 | 00 | 00 | -L | A 3 | 46 | -L | 0 | 0 | 1 | 54 |
| 6 | | N | 01.00 | 00 | +5 | 99 | 72 | 48 | 17 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 71 |
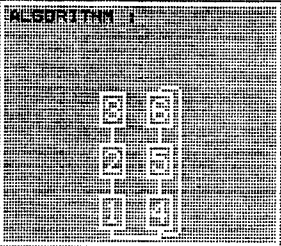
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 04 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 4-7 MALE BASS 4 BC

**ALGORITHM 1**

| | < NAME > |
|---|---|
| | VOICE 4.7 |

| | |
|---|---|
| ALGO | 04 |
| MID C | C 2 |
| F.B | 5 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 41 | 48 | 55 | 00 | OFF | 2 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 02.02 | 01 | -3 | 53 | 33 | 34 | 60 | 99 | 99 | 95 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N 01.01 | 01 | -5 | 85 | 91 | 41 | 74 | 85 | 88 | 99 | 34 | 00 | -L | A-1 | 18 | -L | 1 | 3 | 1 | 99 |
| 3 | | F 3020. | 48 | +0 | 21 | 53 | 22 | 75 | 56 | 99 | 99 | 00 | 00 | -L | G 3 | 00 | -L | 0 | 3 | 1 | 40 |
| 4 | C | N 03.00 | 00 | +2 | 52 | 68 | 34 | 65 | 85 | 91 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 99 |
| 5 | | N 01.03 | 03 | +6 | 95 | 98 | 57 | 99 | 47 | 82 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 78 |
| 6 | | F 4266. | 63 | +0 | 64 | 61 | 22 | 53 | 99 | 99 | 99 | 00 | 00 | -L | G 3 | 56 | -L | 0 | 3 | 0 | 52 |
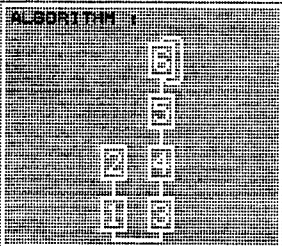
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai ON 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 4-8 FEMALE VOCAL 3 MW

**ALGORITHM 1**

| | < NAME > |
|---|---|
| | VOICE 4.8 |

| | |
|---|---|
| ALGO | 01 |
| MID C | C 3 |
| F.B | 4 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 18 | 25 | 99 | 99 | 49 | 49 | 50 | 50 |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 38 | 35 | 53 | 02 | OFF | 2 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F 2.630 | 42 | -7 | 51 | 55 | 53 | 64 | 61 | 88 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 01.04 | 04 | -7 | 75 | 41 | 80 | 98 | 69 | 81 | 96 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 3 | C | N 02.02 | 01 | -7 | 42 | 20 | 53 | 57 | 99 | 94 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 4 | | N 01.02 | 02 | -7 | 72 | 56 | 41 | 12 | 48 | 67 | 73 | 09 | 00 | -L | C#3 | 30 | -L | 0 | 0 | 1 | 99 |
| 5 | | F 3090. | 49 | -7 | 35 | 21 | 36 | 63 | 99 | 90 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 54 |
| 6 | | N 01.00 | 00 | -7 | 99 | 72 | 48 | 17 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 66 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 03 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

# 5-1 TRUMPET 1 FC

## TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TRMPT 5.1 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 56 | 67 | 95 | 60 | 50 | 50 | 50 | 48 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 45 | 45 | 08 | 00 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -7 | 80 | 24 | 19 | 71 | 99 | 95 | 79 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.00 | 00 | -7 | 99 | 12 | 22 | 50 | 85 | 00 | 78 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 2 | 59 |
| 3 | | N 01.00 | 00 | -5 | 58 | 12 | 22 | 50 | 99 | 95 | 95 | 00 | 05 | -L | F#5 | 43 | -L | 2 | 0 | 2 | 84 |
| 4 | | N 01.00 | 00 | -4 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 1 | 74 |
| 5 | | N 03.00 | 00 | -5 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 1 | 89 |
| 6 | F | 1622. | 21 | -7 | 42 | 56 | 20 | 70 | 99 | 00 | 72 | 00 | 32 | -L | C 4 | 00 | -L | 7 | 0 | 5 | 85 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  ON  00 |
| LEVEL ATT | < P.BENDER > range  step |
| 007 | 01  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

# 5-2 TRUMPET 2 FC

## TX816 VOICE DATA

ALGORITHM :
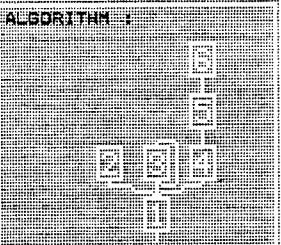
| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TRMPT 5.2 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 41 | 45 | 95 | 60 | 51 | 50 | 50 | 52 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 40 | 45 | 08 | 00 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | +7 | 80 | 24 | 19 | 71 | 99 | 95 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.00 | 00 | +7 | 99 | 12 | 22 | 50 | 85 | 00 | 81 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 2 | 59 |
| 3 | | N 01.00 | 00 | +3 | 58 | 12 | 22 | 50 | 99 | 95 | 97 | 00 | 02 | -L | D 5 | 00 | -L | 2 | 0 | 1 | 81 |
| 4 | | N 01.00 | 00 | +2 | 66 | 76 | 22 | 50 | 99 | 61 | 64 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 1 | 74 |
| 5 | | N 03.00 | 00 | +3 | 48 | 12 | 22 | 50 | 99 | 61 | 64 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 1 | 89 |
| 6 | F | 1622. | 21 | +1 | 42 | 56 | 20 | 70 | 99 | 00 | 75 | 00 | 32 | -L | C 4 | 00 | -L | 7 | 0 | 5 | 82 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  ON  00 |
| LEVEL ATT | < P.BENDER > range  step |
| 007 | 02  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 5-3 TRUMPET 3 FC

**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| TRMPT  5.3 | | 77 | 67 | 95 | 60 | 52 | 49 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | |
| F.B | 7 | | | | | | |
| SYNC | ON | TRI | 35 | 19 | 03 | 00 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N 01.00 | 00 | +0 | 70 | 24 | 19 | 60 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.10 | 05 | +0 | 99 | 12 | 22 | 50 | 85 | 85 | 85 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 2 | 50 |
| 3 | | N 01.00 | 00 | +0 | 48 | 12 | 22 | 50 | 99 | 99 | 98 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 1 | 79 |
| 4 | | N 01.00 | 00 | +0 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 2 | 74 |
| 5 | | N 06.24 | 04 | -1 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 50 |
| 6 | | N 08.47 | 21 | +0 | 42 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 99 |
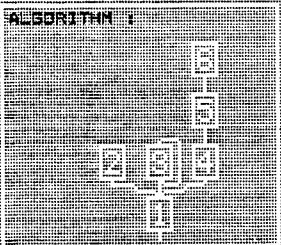
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 03 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 5-4 TRUMPET 4 FC

**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| TRMPT  5.4 | | 78 | 67 | 95 | 60 | 47 | 49 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | |
| F.B | 7 | | | | | | |
| SYNC | ON | TRI | 30 | 19 | 03 | 00 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N 01.00 | 00 | -1 | 66 | 24 | 19 | 75 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.10 | 05 | -4 | 99 | 12 | 22 | 50 | 85 | 85 | 85 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 2 | 51 |
| 3 | | N 01.00 | 00 | -3 | 48 | 12 | 22 | 50 | 99 | 99 | 98 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 1 | 80 |
| 4 | | N 01.00 | 00 | -1 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 2 | 76 |
| 5 | | N 06.24 | 04 | -3 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 52 |
| 6 | | N 08.47 | 21 | -4 | 42 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 99 |
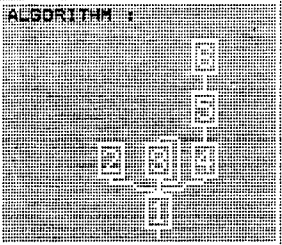
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 04 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 5-5  TRUMPET  5  FC

TX816 VOICE DATA
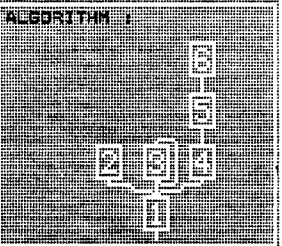
| ALGORITHM :| < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TRMPT  5.5 | 64 | 67 | 95 | 60 | 48 | 51 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | | 2 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.01 | 01 | +0 | 61 | 23 | 17 | 55 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N | 01.01 | 01 | +0 | 37 | 34 | 15 | 70 | 85 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 70 |
| 3 | | N | 01.01 | 01 | +0 | 51 | 35 | 22 | 50 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 81 |
| 4 | | N | 01.01 | 01 | +0 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 82 |
| 5 | | N | 04.02 | 34 | -1 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 70 |
| 6 | | N | 07.00 | 00 | +0 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 66 | 99 | 00 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | ON |
| | range | step | | amp | OFF | OFF | OFF | OFF |
| 007 | 05 | 00 | | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 5-6  TRUMPET  6  FC

TX816 VOICE DATA
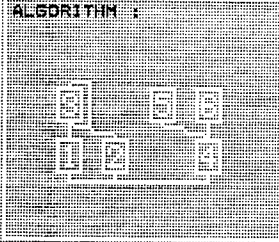
| ALGORITHM :| < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TRMPT  5.6 | 94 | 67 | 95 | 60 | 49 | 51 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.99 | 99 | +0 | 82 | 99 | 99 | 55 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N | 00.99 | 99 | +0 | 69 | 34 | 15 | 70 | 99 | 97 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 70 |
| 3 | | N | 00.99 | 99 | +0 | 53 | 35 | 22 | 50 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 3 | 84 |
| 4 | | N | 00.99 | 99 | +0 | 64 | 92 | 22 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 60 |
| 5 | | N | 03.90 | 30 | -1 | 71 | 55 | 22 | 50 | 98 | 00 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 66 |
| 6 | | N | 07.00 | 00 | +0 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 00 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | ON |
| | range | step | | amp | OFF | OFF | OFF | OFF |
| 005 | 07 | 00 | | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

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## 5-7 SYNTH TRUMPET FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SYNTRP 5.7 | | | 91 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 20 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | TRI | 36 | 00 | 05 | 19 | OFF | 2 |
| SYNC | ON | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -3 | 89 | 49 | 20 | 62 | 99 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | C | N 02.00 | 00 | +1 | 88 | 69 | 89 | 60 | 85 | 77 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 3 | | N 01.00 | 00 | -5 | 78 | 23 | 24 | 57 | 94 | 97 | 88 | 00 | 00 | -L | C 3 | 16 | +E | 2 | 0 | 2 | 80 |
| 4 | C | N 01.00 | 00 | -2 | 71 | 45 | 20 | 62 | 99 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 96 |
| 5 | | N 01.00 | 00 | +7 | 58 | 12 | 13 | 66 | 96 | 88 | 85 | 00 | 00 | -L | C 3 | 25 | +E | 2 | 0 | 0 | 89 |
| 6 | | N 06.00 | 20 | +4 | 44 | 25 | 10 | 53 | 99 | 83 | 82 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 2 | 67 |
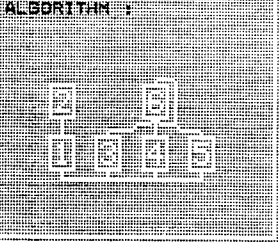
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 5-8 BRIGHT TRUMPET FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | B.TRP 5.8 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 22 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | SIN | 34 | 33 | 00 | 00 | OFF | 3 |
| SYNC | ON | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | +0 | 60 | 15 | 15 | 70 | 99 | 90 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 89 |
| 3 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 97 |
| 5 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 6 | | N 01.00 | 00 | +0 | 60 | 61 | 19 | 70 | 99 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 3 | 2 | 83 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 08 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 6-1 ELEC. PIANO
## TREMOLO  L  MW

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | E.PNO  6.1 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |
| | | ALGO | 05 | < LFO > | | | | | | | |
| | | MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| | | F.B | 7 | | | | | | | | |
| | | SYNC | OFF | TRI | 12 | 00 | 00 | 00 | OFF | 0 | |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +3 | 96 | 25 | 25 | 77 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | +0 | 95 | 50 | 35 | 78 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 7 | 77 |
| 3 | C | N 01.00 | 00 | +0 | 95 | 20 | 20 | 73 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 2 | 99 |
| 4 | | N 10.00 | 00 | +0 | 95 | 69 | 35 | 76 | 88 | 46 | 27 | 77 | 00 | -L | A-1 | 00 | -L | 7 | 3 | 6 | 76 |
| 5 | C | N 01.00 | 00 | -7 | 95 | 20 | 20 | 59 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 1 | 99 |
| 6 | | N 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 81 | 82 | 00 | 05 | +L | D 3 | 19 | -L | 3 | 3 | 2 | 72 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | range | 99 | 00 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | ON |
| | range | | step | amp | ON | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | ON | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 6-2 ELEC. PIANO
## TREMOLO  R  MW

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | E.PNO  6.2 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |
| | | ALGO | 05 | < LFO > | | | | | | | |
| | | MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| | | F.B | 7 | | | | | | | | |
| | | SYNC | OFF | SIN | 24 | 00 | 00 | 00 | ON | 0 | |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +3 | 96 | 22 | 25 | 73 | 99 | 66 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 2 | | N 20.00 | 00 | +0 | 95 | 58 | 35 | 99 | 99 | 50 | 48 | 63 | 27 | -L | D#3 | 00 | -L | 3 | 3 | 3 | 54 |
| 3 | C | N 01.00 | 00 | +0 | 95 | 20 | 20 | 62 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 5 | 99 |
| 4 | | N 01.00 | 00 | +0 | 95 | 29 | 20 | 82 | 99 | 95 | 00 | 99 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 6 | 89 |
| 5 | C | N 01.00 | 00 | -7 | 95 | 20 | 20 | 60 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 4 | 99 |
| 6 | | N 01.00 | 00 | +0 | 95 | 21 | 20 | 89 | 99 | 95 | 00 | 98 | 00 | -L | D 3 | 19 | -L | 3 | 3 | 3 | 75 |
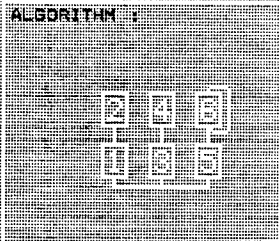
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | range | 99 | 00 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | ON |
| | range | | step | amp | ON | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 6-3 TINE PIANO 1 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | E.TPNO 6.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | SIN | 06 | 33 | 30 | 00 | OFF | 2 |
| SYNC | ON | | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +3 | 96 | 25 | 25 | 67 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 7 | 99 |
| 2 | | N 26.18 | 54 | +0 | 95 | 50 | 35 | 78 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 01 | -L | 3 | 0 | 7 | 75 |
| 3 | C | N 01.00 | 00 | +0 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 4 | | N 01.00 | 00 | +0 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 89 |
| 5 | C | N 01.00 | 00 | -7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 3 | 99 |
| 6 | | N 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | D 3 | 19 | -L | 3 | 0 | 6 | 79 |
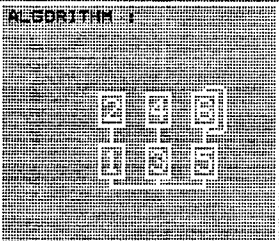
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | | | | | |
| | | | | range | 00 | 99 | 00 | 00 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT      LOW:C -2     HIGH:G 8

## 6-4 TINE PIANO 2 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | E.TPNO 6.4 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | SIN | 03 | 33 | 35 | 00 | ON | 2 |
| SYNC | OFF | | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +5 | 96 | 25 | 25 | 67 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 4 | 99 |
| 2 | | N 14.00 | 00 | +0 | 95 | 50 | 35 | 78 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 58 |
| 3 | C | F 1.000 | 00 | -2 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 4 | | N 01.00 | 00 | +0 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 89 |
| 5 | C | N 01.00 | 00 | -4 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 6 | | N 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | D 3 | 19 | -L | 3 | 0 | 6 | 83 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | | | | | |
| | | | | range | 00 | 99 | 00 | 00 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT      LOW:C -2     HIGH:G 8

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## 6-5 ELEC. PIANO 1

| ALGORITHM : | < NAME > | | | | |
|---|---|---|---|---|---|



| < NAME > | |
|---|---|
| E.PNO 6.5 | |

| ALGO | 10 |
|---|---|
| MID C | C 3 |
| F.B | 6 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 00 | 00 | ON | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.318 | 12 | +0 | 85 | 60 | 22 | 55 | 99 | 96 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +7 | 85 | 60 | 20 | 46 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 4 | 80 |
| 3 | | N | 00.83 | 66 | +7 | 85 | 53 | 22 | 99 | 99 | 49 | 00 | 00 | 46 | -L | G 3 | 00 | -L | 3 | 0 | 5 | 67 |
| 4 | C | N | 01.00 | 00 | +7 | 85 | 60 | 22 | 55 | 99 | 96 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 99 |
| 5 | | F | 144.5 | 16 | +5 | 90 | 99 | 75 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 87 |
| 6 | | N | 01.00 | 00 | +4 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 73 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 04 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 6-6 ELEC. PIANO 2

| ALGORITHM : |
|---|



| < NAME > | |
|---|---|
| E.PNO 6.6 | |

| ALGO | 03 |
|---|---|
| MID C | C 3 |
| F.B | 3 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.995 | 30 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 2 | | N | 01.00 | 00 | -3 | 80 | 50 | 24 | 60 | 99 | 97 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 81 |
| 3 | | N | 01.00 | 00 | +1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 14 | -L | 0 | 0 | 4 | 70 |
| 4 | C | F | 1.000 | 00 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 99 |
| 5 | | N | 02.00 | 00 | +1 | 80 | 40 | 30 | 60 | 99 | 71 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 78 |
| 6 | | N | 00.50 | 00 | -1 | 99 | 57 | 15 | 99 | 99 | 42 | 00 | 00 | 30 | +L | C 3 | 00 | -L | 6 | 0 | 5 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 04 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 6-7 TINE PIANO 3

TX816 VOICE DATA

| ALGORITHM : | | |
|---|---|---|

| < NAME > |
|---|
| T.PNO  6.7 |

| ALGO | 28 |
|---|---|
| MID C | C 3 |
| F.B | 6 |
| SYNC | OFF |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.023 | 01 | +0 | 97 | 50 | 17 | 67 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 99 |
| 2 | | N 01.00 | 00 | -1 | 99 | 68 | 17 | 90 | 99 | 90 | 00 | 99 | 00 | -L | C 3 | 08 | -L | 2 | 0 | 2 | 89 |
| 3 | C | F 1.622 | 21 | +0 | 97 | 50 | 17 | 61 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 99 |
| 4 | | N 01.00 | 00 | -6 | 99 | 68 | 17 | 57 | 99 | 90 | 00 | 00 | 00 | -L | G 3 | 44 | -L | 0 | 0 | 2 | 90 |
| 5 | | F 4677. | 67 | +0 | 99 | 78 | 36 | 89 | 99 | 62 | 00 | 99 | 12 | -L | C 3 | 56 | +L | 0 | 0 | 6 | 57 |
| 6 | C | N 08.95 | 79 | +0 | 92 | 86 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | D#3 | 00 | -L | 2 | 0 | 2 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 6-8 TINE PIANO 4

TX816 VOICE DATA

| ALGORITHM : | | |
|---|---|---|

| < NAME > |
|---|
| T.PNO  6.8 |

| ALGO | 03 |
|---|---|
| MID C | C 3 |
| F.B | 3 |
| SYNC | OFF |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.000 | 00 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 99 |
| 2 | | N 01.00 | 00 | -7 | 99 | 50 | 24 | 60 | 99 | 97 | 00 | 00 | 18 | +L | A#3 | 00 | -L | 0 | 0 | 3 | 76 |
| 3 | | N 15.00 | 00 | +0 | 99 | 46 | 36 | 99 | 99 | 51 | 00 | 00 | 25 | -L | C 3 | 14 | -L | 4 | 0 | 7 | 70 |
| 4 | C | F 2.042 | 31 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 99 |
| 5 | | N 01.00 | 00 | -1 | 99 | 50 | 24 | 60 | 99 | 97 | 00 | 00 | 24 | +L | F 3 | 00 | -L | 0 | 0 | 3 | 78 |
| 6 | | N 01.00 | 00 | -1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 14 | -L | 0 | 0 | 5 | 77 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 03 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 7-1 CELLO 1 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | CELLO 7.1 | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 2 | | | | | | | | |
| F.B | 6 | SIN | 30 | 20 | 60 | 00 | OFF | 1 | |
| SYNC | OFF | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | -7 | 48 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | G#2 | 08 | -L | 3 | 3 | 3 | 99 |
| 2 | | N | 01.00 | 00 | -6 | 68 | 81 | 15 | 43 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 1 | 70 |
| 3 | | N | 01.00 | 00 | -2 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N | 03.00 | 00 | -2 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | G#3 | 38 | -L | 3 | 0 | 1 | 77 |
| 5 | | N | 01.00 | 00 | -3 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 07.00 | 00 | +4 | 84 | 77 | 42 | 75 | 98 | 93 | 88 | 00 | 04 | +L | A 2 | 44 | -L | 4 | 0 | 1 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | range | 00 | 99 | 00 | 00 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 02 | 00 | | | | | | |

NOTE LIMIT      LOW:C -2      HIGH:G 8

## 7-2 CELLO 2 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | CELLO 7.2 | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 2 | | | | | | | | |
| F.B | 6 | SIN | 40 | 22 | 60 | 00 | ON | 1 | |
| SYNC | OFF | | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +7 | 41 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | G#2 | 06 | -L | 3 | 3 | 2 | 99 |
| 2 | | N | 01.00 | 00 | +3 | 68 | 81 | 15 | 43 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 1 | 70 |
| 3 | | N | 01.00 | 00 | +1 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N | 04.00 | 00 | +5 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | G#3 | 38 | -L | 3 | 0 | 1 | 77 |
| 5 | | N | 01.00 | 00 | +6 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 05.00 | 00 | +7 | 84 | 77 | 32 | 75 | 98 | 93 | 89 | 00 | 04 | +L | A 2 | 37 | -L | 7 | 0 | 1 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | range | 00 | 99 | 00 | 00 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 02 | 00 | | | | | | |

NOTE LIMIT      LOW:C -2      HIGH:G 8

**37**

## 7-3 CELLO 3 FC

TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | CELLO 7.3 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 17 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 35 | 10 | 50 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | F 2.239 | 35 | -5 | 51 | 30 | 25 | 36 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | -5 | 92 | 81 | 15 | 45 | 82 | 90 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 2 | 0 | 1 | 85 |
| 3 | | N 01.00 | 00 | -5 | 54 | 45 | 35 | 41 | 94 | 97 | 99 | 00 | 25 | +L | F 3 | 24 | -L | 2 | 0 | 1 | 54 |
| 4 | | N 03.00 | 00 | -5 | 96 | 19 | 20 | 54 | 99 | 92 | 89 | 00 | 00 | -L | D#3 | 00 | -L | 2 | 0 | 0 | 75 |
| 5 | | N 02.00 | 00 | -7 | 53 | 67 | 38 | 54 | 86 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 79 |
| 6 | | N 07.00 | 00 | -7 | 53 | 64 | 32 | 54 | 70 | 81 | 78 | 00 | 10 | +L | A 3 | 43 | -L | 2 | 0 | 1 | 83 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | | | | | |
| | | | | | range | 00 | 99 | 00 | 00 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | ON |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 7-4 CELLO 4 FC

TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | CELLO 7.4 | | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| ALGO | 16 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 37 | 20 | 55 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N 01.00 | 00 | +5 | 48 | 30 | 25 | 41 | 94 | 98 | 97 | 00 | 00 | -L | D#3 | 05 | -L | 3 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | +4 | 68 | 81 | 15 | 48 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 0 | 70 |
| 3 | | N 01.00 | 00 | +5 | 89 | 45 | 35 | 44 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N 03.00 | 00 | +3 | 96 | 50 | 32 | 48 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 77 |
| 5 | | N 01.00 | 00 | +3 | 90 | 88 | 38 | 25 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N 07.00 | 00 | +4 | 84 | 77 | 32 | 68 | 98 | 93 | 89 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 1 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | ON | 00 | | | | | |
| | | | | | range | 00 | 99 | 00 | 00 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | ON |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**38**

## 7-5 CELLO 5 FC

### TX816 VOICE DATA

ALGORITHM :

| < NAME > | |
|---|---|
| CELLO 7.5 | |
| ALGO | 15 |
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 32 | 10 | 36 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -1 | 52 | 30 | 25 | 43 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 |   | N 01.00 | 00 | -1 | 89 | 67 | 15 | 51 | 82 | 90 | 87 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 1 | 86 |
| 3 | C | N 01.00 | 00 | -1 | 50 | 43 | 35 | 41 | 94 | 97 | 97 | 00 | 80 | +L | F 3 | 60 | -L | 2 | 3 | 5 | 99 |
| 4 |   | N 01.00 | 00 | -1 | 96 | 19 | 20 | 54 | 99 | 92 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 75 |
| 5 |   | N 05.00 | 00 | -1 | 53 | 67 | 38 | 54 | 86 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 79 |
| 6 |   | N 12.00 | 00 | -1 | 53 | 64 | 44 | 54 | 70 | 81 | 64 | 00 | 25 | +L | E 4 | 00 | -L | 2 | 0 | 2 | 58 |

Headers: < FREQ >  < ENVELOPE >  < KBD SCALE >  < S >

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai ON 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

|  | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 99 | 00 | 00 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

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## 7-6 CELLO 6 FC

### TX816 VOICE DATA

ALGORITHM :

| < NAME > | |
|---|---|
| CELLO 7.6 | |
| ALGO | 15 |
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 38 | 10 | 36 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -7 | 52 | 30 | 25 | 43 | 98 | 99 | 98 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 |   | N 01.00 | 00 | -7 | 89 | 67 | 15 | 51 | 82 | 90 | 87 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 1 | 86 |
| 3 | C | N 01.00 | 00 | -7 | 50 | 27 | 35 | 41 | 95 | 94 | 94 | 00 | 80 | +L | F 3 | 60 | -L | 2 | 3 | 5 | 99 |
| 4 |   | N 01.00 | 00 | -7 | 96 | 19 | 20 | 54 | 99 | 92 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 84 |
| 5 |   | N 05.00 | 00 | -7 | 53 | 67 | 38 | 54 | 86 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 75 |
| 6 |   | N 12.00 | 00 | -7 | 53 | 64 | 48 | 54 | 70 | 81 | 52 | 00 | 25 | +L | E 4 | 00 | -L | 2 | 0 | 2 | 54 |

Headers: < FREQ >  < ENVELOPE >  < KBD SCALE >  < S >

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai ON 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

|  | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 99 | 00 | 00 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 7-7 BOWED CELLO 1 MW

TX816 VOICE DATA

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| CELLO 7.7 | | 87 | 94 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 02 | | | | | | | |
| MID C | C 1 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 35 | 00 | 11 | 04 | ON | 1 |

| OP | | M | FC | FF | D | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.259 | 10 | -7 | 41 | 25 | 22 | 45 | 99 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 2 | 99 |
| 2 | | N | 02.00 | 00 | -7 | 99 | 00 | 00 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | -L | 1 | 0 | 0 | 76 |
| 3 | C | N | 02.00 | 00 | -7 | 53 | 18 | 17 | 56 | 99 | 95 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 4 | | N | 02.00 | 00 | -7 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | -L | G 3 | 13 | -L | 3 | 0 | 0 | 89 |
| 5 | | N | 08.00 | 00 | -7 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 00 | -L | B 2 | 22 | -L | 2 | 0 | 2 | 77 |
| 6 | | F | 2042. | 31 | -7 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 07 | -L | F#2 | 45 | -L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 7-8 BOWED CELLO 2 MW

TX816 VOICE DATA

| < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| CELLO 7.8 | | 87 | 94 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 02 | | | | | | | |
| MID C | C 1 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 40 | 00 | 11 | 04 | ON | 2 |

| OP | | M | FC | FF | D | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.413 | 15 | +7 | 41 | 25 | 22 | 45 | 99 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 2 | 99 |
| 2 | | N | 02.00 | 00 | +7 | 99 | 00 | 00 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | -L | 1 | 0 | 0 | 76 |
| 3 | C | N | 02.00 | 00 | +7 | 53 | 18 | 17 | 56 | 99 | 95 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 4 | | N | 02.00 | 00 | +7 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | -L | G 3 | 13 | -L | 3 | 0 | 0 | 90 |
| 5 | | N | 08.00 | 00 | +7 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 09 | -L | B 2 | 22 | -L | 2 | 0 | 2 | 77 |
| 6 | | F | 2692. | 43 | +7 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 00 | +L | F#2 | 45 | -L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | ON | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

# 8-1 ROTO SLOW MW

TX816 VOICE DATA

**< NAME >** E.ORG 8.1

| ALGO | 05 |
| MID C | C 3 |
| F.B | 0 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 13 | 00 | 16 | 16 | OFF | 3 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | C | F 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 |   | N 00.50 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 4 | 94 |
| 3 | C | F 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 |   | N 01.00 | 00 | +3 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 4 | 94 |
| 5 | C | F 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 |   | N 02.00 | 00 | -4 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 4 | 94 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|------------|--------------------------------|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|-----------|-------------------------|
| 007 | 02 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|--------|-----|-----|-----|-------|
| range | 99 | 00 | 00 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

# 8-2 ROTO FAST MW

TX816 VOICE DATA

**< NAME >** E.ORG 8.2

| ALGO | 05 |
| MID C | C 3 |
| F.B | 0 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 31 | 00 | 18 | 05 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | C | F 4.786 | 68 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 |   | N 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 2 | 95 |
| 3 | C | F 4.786 | 68 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 |   | N 01.00 | 00 | +1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 1 | 93 |
| 5 | C | F 4.786 | 68 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 |   | N 03.00 | 00 | -2 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 10 | -L | 0 | 0 | 1 | 93 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|------------|--------------------------------|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|-----------|-------------------------|
| 007 | 04 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|--------|-----|-----|-----|-------|
| range | 99 | 99 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

## 8-3 BASIC ORGAN 1 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | B.ORG 8.3 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 00 | +0 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 00.50 | 00 | +7 | 99 | 99 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 72 |
| 3 | C | N 00.50 | 01 | +0 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 00.50 | 00 | +0 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 71 |
| 5 | C | F 831.8 | 92 | +0 | 99 | 96 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | F 100.0 | 00 | +0 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 99 | 00 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 8-4 BASIC ORGAN 2 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | B.ORG 8.4 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 01 | +7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 00.50 | 01 | +7 | 99 | 99 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 72 |
| 3 | C | N 00.50 | 01 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 00.50 | 01 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 71 |
| 5 | C | F 831.8 | 92 | -7 | 99 | 96 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | F 100.0 | 00 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 8-5 FULL ORGAN 1 BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | F.ORG 8.5 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 24 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | C | N 01.00 | 00 | +7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |
| 3 | C | N 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | C | N 03.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |
| 5 | C | N 06.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |
| 6 | | N 07.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | F 3 | 00 | -L | 0 | 0 | 7 | 70 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 8-6 FULL ORGAN 2 BC

TX816 VOICE DATA
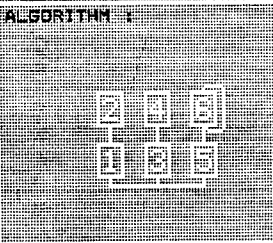
| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | F.ORG 8.6 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 01 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | C | N 01.01 | 01 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |
| 3 | C | N 03.03 | 01 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 87 |
| 4 | C | N 04.04 | 01 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 85 |
| 5 | C | N 08.08 | 01 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |
| 6 | C | N 08.08 | 01 | -2 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 7 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**43**

## 8-7 TOUCH ORGAN FC

### TX816 VOICE DATA

| ALGORITHM 5 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | T.ORG 8.7 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 01 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 00.50 | 01 | +7 | 99 | 99 | 99 | 99 | 99 | 66 | 99 | 00 | 36 | -L | C 4 | 00 | -L | 0 | 0 | 7 | 85 |
| 3 | C | N 00.50 | 01 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 00.50 | 01 | -7 | 99 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 36 | -L | C 4 | 00 | -L | 0 | 0 | 7 | 85 |
| 5 | C | F 831.8 | 92 | -7 | 93 | 96 | 99 | 99 | 99 | 00 | 00 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 3 | 1 | 88 |
| 6 | | F 100.0 | 00 | -7 | 95 | 85 | 99 | 99 | 99 | 66 | 99 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 0 | 1 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 99 | 00 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 8-8 FULL ORGAN 3 BC

### TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | F.ORG 8.8 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 0 | | | | | | | | |
| SYNC | ON | | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 00 | -7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |
| 2 | C | N 01.00 | 00 | -7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |
| 3 | C | N 03.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |
| 4 | C | N 04.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |
| 5 | C | N 08.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |
| 6 | C | N 12.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 7 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 9-1 ELECTRO HORN 1 MW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | E.HORN 9.1 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | ON | 2 |
| SYNC | ON | | | | | | | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.000 | 00 | +0 | 89 | 99 | 99 | 80 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N | 01.00 | 00 | +4 | 45 | 99 | 39 | 80 | 99 | 99 | 98 | 64 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 3 | 80 |
| 3 | | N | 01.00 | 00 | +5 | 46 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 71 |
| 4 | | N | 01.00 | 00 | +6 | 34 | 29 | 25 | 99 | 69 | 91 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 90 |
| 5 | | N | 01.00 | 00 | +6 | 46 | 70 | 33 | 77 | 80 | 99 | 82 | 16 | 00 | -L | A#- | 00 | -L | 0 | 0 | 3 | 80 |
| 6 | | N | 00.90 | 81 | +5 | 61 | 59 | 62 | 99 | 99 | 71 | 20 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 5 | 70 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 007 | 04 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 9-2 ELECTRO HORN 2 MW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | E.HORN 9.2 | 84 | 95 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 02 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | SIN | 30 | 63 | 06 | 00 | OFF | 3 |
| SYNC | ON | | | | | | | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.445 | 16 | -7 | 80 | 56 | 10 | 60 | 98 | 98 | 36 | 00 | 00 | -L | B 7 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N | 01.00 | 00 | -7 | 47 | 50 | 32 | 61 | 99 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 83 |
| 3 | C | F | 2.344 | 37 | -7 | 54 | 15 | 10 | 66 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N | 01.00 | 00 | -7 | 56 | 74 | 10 | 45 | 98 | 98 | 36 | 00 | 00 | -L | B 7 | 00 | -L | 0 | 0 | 2 | 79 |
| 5 | | N | 01.00 | 00 | -5 | 35 | 35 | 10 | 55 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 6 | | N | 05.00 | 00 | -4 | 86 | 62 | 17 | 68 | 99 | 25 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 5 | 92 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 007 | 04 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 9-3 MELLOW HORN 1 FC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | M.HORN 9.3 | | 94 | 67 | 95 | 99 | 53 | 49 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 31 | 00 | 00 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -7 | 57 | 24 | 19 | 60 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | -5 | 37 | 34 | 15 | 64 | 85 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 67 |
| 3 | | N 01.00 | 00 | -4 | 46 | 35 | 22 | 56 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 3 | 79 |
| 4 | | N 01.00 | 00 | -4 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 79 |
| 5 | | N 03.18 | 06 | -1 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 70 |
| 6 | | N 08.47 | 21 | +0 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 46 | 99 | 00 | 46 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | | step | EG-bias | OFF | ON | OFF | OFF |
| 007 | 02 | | 00 | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 9-4 MELLOW HORN 2 FC

TX816 VOICE DATA
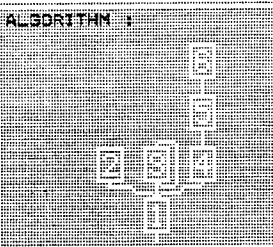
| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | M.HORN 9.4 | | 94 | 67 | 99 | 99 | 45 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +7 | 57 | 24 | 19 | 60 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | +7 | 37 | 34 | 15 | 64 | 85 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 67 |
| 3 | | N 01.00 | 00 | +7 | 46 | 35 | 22 | 56 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 2 | 79 |
| 4 | | N 01.00 | 00 | +7 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 79 |
| 5 | | N 03.18 | 06 | +7 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 70 |
| 6 | | N 08.47 | 21 | +7 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 46 | 99 | 00 | 46 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | | step | EG-bias | OFF | ON | OFF | OFF |
| 007 | 02 | | 00 | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**46**

## 9-5 BRIGHT HORN 1 FC

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B.HORN 9.5 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | OFF | 3 |
| SYNC | ON | | | | | | | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | < KBD SCALE > | | | | < S > | | | |
| 1 | C | N | 01.00 | 00 | -7 | 61 | 23 | 17 | 55 | 99 | 86 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 2 | 99 |
| 2 | | N | 01.00 | 00 | -6 | 37 | 34 | 15 | 70 | 85 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 1 | 70 |
| 3 | | N | 01.00 | 00 | -5 | 46 | 35 | 22 | 50 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 4 | 80 |
| 4 | | N | 01.00 | 00 | -7 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 0 | 82 |
| 5 | | N | 03.18 | 06 | -6 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 0 | 70 |
| 6 | | N | 08.47 | 21 | -5 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 0 | 79 |
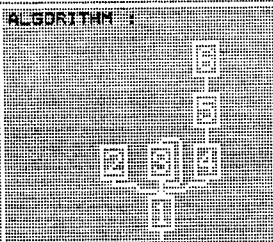
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 46 | 99 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 9-6 BRIGHT HORN 2 FC

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B.HORN 9.6 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | OFF | 1 |
| SYNC | ON | | | | | | | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | < KBD SCALE > | | | | < S > | | | |
| 1 | C | N | 01.00 | 00 | +6 | 57 | 24 | 19 | 60 | 99 | 86 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 1 | 99 |
| 2 | | N | 01.00 | 00 | +7 | 45 | 34 | 50 | 64 | 99 | 97 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 3 | 83 |
| 3 | | N | 01.00 | 00 | +5 | 46 | 35 | 17 | 56 | 99 | 86 | 91 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 4 | 80 |
| 4 | | N | 01.00 | 00 | +2 | 66 | 92 | 22 | 50 | 53 | 65 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 0 | 93 |
| 5 | | N | 03.18 | 06 | -1 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 0 | 70 |
| 6 | | N | 08.47 | 21 | +2 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 0 | 84 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 46 | 99 | 00 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 9-7 BREATH CONTROL HORN 1 BC

TX816 VOICE DATA

<table>
<tr><td>ALGORITHM :</td><td colspan="2">&lt; NAME &gt;<br>BC.HRN 9.7</td><td colspan="9">&lt; PITCH ENVELOPE &gt;</td></tr>
</table>

| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|---|
| &lt; NAME &gt;<br>BC.HRN 9.7 | | 94 | 67 | 95 | 60 | 49 | 51 | 50 | 50 |

| ALGO | 18 | | | | &lt; LFO &gt; | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| F.B | 7 | | | | | | | | |
| SYNC | OFF | TRI | 31 | 00 | 00 | 00 | OFF | 1 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | N | 01.00 | 00 | +1 | 61 | 28 | 18 | 55 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | N | 01.00 | 00 | -1 | 37 | 34 | 15 | 70 | 99 | 97 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 81 |
| 3 | N | 01.00 | 00 | +0 | 46 | 49 | 17 | 50 | 99 | 96 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 81 |
| 4 | N | 01.00 | 00 | +3 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 82 |
| 5 | N | 03.66 | 22 | +7 | 48 | 55 | 22 | 50 | 99 | 95 | 88 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 6 | N | 07.00 | 00 | -5 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 79 |

FUNCTION DATA

| POLY<br>/MONO | &lt; PORTAMENTO &gt;<br>mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | &lt; P.BENDER &gt;<br>range  step |
|---|---|
| 007 | 02  00 |

| &lt; MODULATION &gt; | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 9-8 BREATH CONTROL HORN 2 BC

TX816 VOICE DATA

| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|---|
| &lt; NAME &gt;<br>BC HRN 9.8 | | 94 | 67 | 95 | 60 | 49 | 51 | 50 | 50 |

| ALGO | 18 | | | | &lt; LFO &gt; | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| F.B | 7 | | | | | | | | |
| SYNC | OFF | TRI | 31 | 00 | 00 | 00 | OFF | 1 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | N | 01.00 | 00 | -2 | 61 | 28 | 14 | 55 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | N | 01.00 | 00 | +2 | 51 | 32 | 14 | 70 | 99 | 97 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 81 |
| 3 | N | 01.00 | 00 | +5 | 47 | 31 | 15 | 50 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 81 |
| 4 | N | 01.00 | 00 | -7 | 62 | 55 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 92 |
| 5 | N | 04.02 | 34 | +6 | 48 | 55 | 22 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 60 |
| 6 | N | 03.00 | 00 | +7 | 77 | 53 | 20 | 70 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 64 |

FUNCTION DATA

| POLY<br>/MONO | &lt; PORTAMENTO &gt;<br>mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | &lt; P.BENDER &gt;<br>range  step |
|---|---|
| 007 | 02  00 |

| &lt; MODULATION &gt; | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**48**

## 10-1 PERCUSSIVE SYNTH 1 MW

TX816 VOICE DATA

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| PCSYN 10.1 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | |
| SYNC | ON | SAW- | 00 | 00 | 00 | 00 | ON | 2 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.000 | 00 | -2 | 98 | 60 | 17 | 70 | 99 | 94 | 70 | 00 | 00 | +L | F 2 | 00 | -L | 2 | 3 | 4 | 99 |
| 2 | | N | 01.00 | 00 | +2 | 60 | 27 | 47 | 37 | 99 | 00 | 71 | 00 | 00 | -L | G 3 | 32 | -L | 1 | 0 | 3 | 93 |
| 3 | | N | 06.00 | 00 | +0 | 99 | 73 | 58 | 48 | 99 | 97 | 00 | 00 | 00 | -L | G 3 | 05 | -L | 2 | 0 | 4 | 88 |
| 4 | | N | 05.00 | 00 | +1 | 53 | 52 | 09 | 99 | 99 | 48 | 59 | 99 | 00 | -L | G 2 | 82 | -L | 5 | 0 | 4 | 89 |
| 5 | | F | 2.884 | 46 | +0 | 72 | 52 | 28 | 39 | 75 | 88 | 99 | 99 | 21 | -L | D 4 | 85 | -L | 4 | 0 | 2 | 81 |
| 6 | | N | 01.00 | 00 | +4 | 61 | 70 | 36 | 36 | 62 | 69 | 84 | 00 | 00 | -L | G 3 | 00 | -L | 3 | 0 | 3 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | | |
| | | | | | range | 99 | 53 | 00 | 53 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | OFF |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-2 PERCUSSIVE SYNTH 2 MW

TX816 VOICE DATA

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| PCSYN 10.2 | | | 78 | 74 | 95 | 60 | 50 | 54 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | |
| SYNC | ON | SAW- | 00 | 00 | 00 | 00 | ON | 2 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.259 | 10 | -2 | 81 | 60 | 17 | 70 | 99 | 94 | 70 | 00 | 00 | +L | F 2 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N | 01.01 | 01 | +0 | 55 | 27 | 47 | 37 | 99 | 00 | 71 | 00 | 00 | -L | G 3 | 32 | -L | 1 | 0 | 3 | 93 |
| 3 | | N | 05.00 | 00 | +7 | 99 | 73 | 58 | 48 | 99 | 97 | 00 | 00 | 00 | -L | G 3 | 05 | -L | 2 | 0 | 7 | 90 |
| 4 | | N | 14.00 | 00 | +5 | 71 | 52 | 99 | 99 | 99 | 48 | 59 | 99 | 00 | -L | G 2 | 82 | -L | 1 | 0 | 0 | 74 |
| 5 | | F | 2.239 | 35 | +0 | 72 | 52 | 28 | 39 | 75 | 88 | 99 | 99 | 21 | -L | D 4 | 85 | -L | 4 | 0 | 0 | 81 |
| 6 | | N | 01.00 | 00 | +4 | 61 | 70 | 36 | 36 | 62 | 69 | 84 | 00 | 00 | -L | G 3 | 00 | -L | 3 | 0 | 6 | 99 |
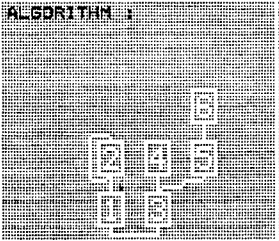
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | | |
| | | | | | range | 99 | 53 | 00 | 53 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | OFF |
| | range | step | | | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-3 FILTER SWEEP 1 Fcf

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| F.SWP 10.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 6 | TRI | 14 | 00 | 13 | 00 | ON | 1 |
| SYNC | ON | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 00.50 | 00 | -2 | 54 | 99 | 99 | 41 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 99 |
| 2 | | N | 00.50 | 00 | +7 | 50 | 26 | 09 | 42 | 94 | 99 | 97 | 00 | 00 | -L | A 1 | 05 | -L | 3 | 2 | 0 | 88 |
| 3 | C | N | 00.50 | 00 | +7 | 58 | 40 | 23 | 42 | 99 | 97 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 99 |
| 4 | | N | 00.50 | 00 | +6 | 70 | 27 | 16 | 49 | 90 | 99 | 91 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 1 | 0 | 85 |
| 5 | | N | 00.50 | 00 | -6 | 70 | 27 | 16 | 49 | 90 | 99 | 91 | 00 | 00 | -L | A-1 | 04 | -L | 3 | 3 | 0 | 80 |
| 6 | | N | 02.00 | 00 | -6 | 70 | 27 | 16 | 49 | 90 | 99 | 91 | 00 | 00 | -L | A-1 | 09 | -L | 3 | 3 | 0 | 97 |
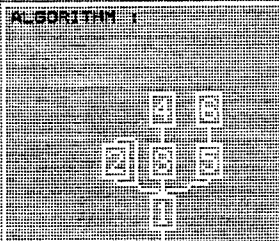
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 03 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-4 FILTER SWEEP 2 Fcf

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| F.SWP 10.4 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | SIN | 04 | 00 | 23 | 00 | OFF | 1 |
| SYNC | OFF | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | F | 1.000 | 00 | -2 | 54 | 60 | 21 | 85 | 99 | 94 | 90 | 00 | 00 | +L | F 2 | 00 | -L | 2 | 0 | 3 | 99 |
| 2 | | N | 01.00 | 00 | -6 | 52 | 23 | 01 | 22 | 99 | 95 | 94 | 00 | 00 | +L | A-1 | 00 | -L | 3 | 2 | 0 | 61 |
| 3 | | N | 00.50 | 00 | +0 | 69 | 73 | 20 | 48 | 99 | 97 | 92 | 00 | 00 | +L | C#2 | 03 | -L | 2 | 2 | 0 | 98 |
| 4 | | F | 4365. | 64 | -7 | 53 | 22 | 09 | 99 | 99 | 82 | 59 | 99 | 00 | +L | G 2 | 00 | -L | 5 | 3 | 0 | 34 |
| 5 | | N | 04.00 | 00 | +0 | 55 | 23 | 22 | 39 | 99 | 99 | 99 | 99 | 00 | +L | G#0 | 18 | -L | 4 | 3 | 0 | 97 |
| 6 | | N | 00.50 | 00 | -4 | 59 | 70 | 20 | 36 | 99 | 91 | 83 | 00 | 01 | +L | G#1 | 29 | -L | 3 | 1 | 0 | 93 |
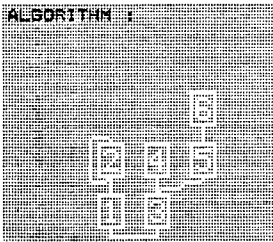
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 04 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-5 FILTER SWEEP 3 Fcf

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | F.SWP 10.5 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | TRI | 23 | 00 | 11 | 00 | ON | 2 |
| SYNC | ON | | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 00.50 | 00 | +6 | 65 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | | N 00.50 | 00 | -7 | 50 | 26 | 09 | 36 | 94 | 99 | 94 | 00 | 00 | -L | A 1 | 05 | -L | 0 | 1 | 1 | 86 |
| 3 | C | N 00.50 | 00 | -7 | 64 | 40 | 23 | 51 | 99 | 97 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | | N 00.50 | 00 | -7 | 70 | 27 | 16 | 39 | 90 | 99 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 82 |
| 5 | | N 00.50 | 00 | -7 | 70 | 27 | 16 | 40 | 90 | 99 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 65 |
| 6 | | N 02.00 | 00 | -6 | 70 | 27 | 16 | 31 | 90 | 99 | 94 | 00 | 00 | -L | A-1 | 17 | -L | 0 | 0 | 0 | 99 |
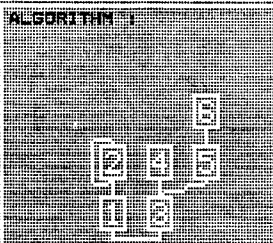
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 99 | 99 | 99 | 46 |
| | | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 05 | | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-6 FILTER SWEEP 4 Fcf

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | F.SWP 10.6 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | TRI | 31 | 00 | 11 | 00 | ON | 2 |
| SYNC | ON | | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +7 | 65 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | | N 00.50 | 00 | +7 | 50 | 26 | 09 | 36 | 94 | 99 | 95 | 00 | 00 | -L | A 1 | 05 | -L | 0 | 3 | 1 | 88 |
| 3 | C | N 00.50 | 00 | +7 | 64 | 40 | 23 | 51 | 99 | 97 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | | N 00.50 | 00 | +7 | 70 | 27 | 16 | 39 | 90 | 99 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 82 |
| 5 | | N 01.00 | 00 | +7 | 70 | 27 | 16 | 40 | 90 | 99 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 65 |
| 6 | | N 02.00 | 00 | -6 | 70 | 27 | 16 | 31 | 90 | 99 | 94 | 00 | 00 | -L | A-1 | 17 | -L | 0 | 0 | 0 | 99 |
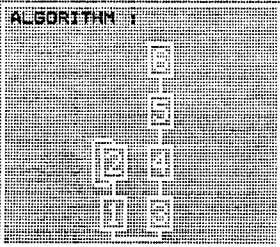
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 99 | 99 | 99 | 46 |
| | | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 06 | | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**51**

## 10-7 CHORUS SYNTH 1 BC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | | | |
|---|---|---|---|---|
| CRSYN 10.7 | | | | |

| | | < PITCH ENVELOPE > | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | |
|---|---|
| ALGO | 02 |
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

| | | | < LFO > | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 10 | 33 | 20 | 00 | OFF | 1 |

| OP | | M | < FREQ ><br>FC | FF | D | R1 | R2 | < ENVELOPE ><br>R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | < KBD SCALE ><br>BP | RD | RC | R | < S ><br>M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.000 | 00 | -7 | 71 | 41 | 54 | 61 | 99 | 95 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | -7 | 59 | 46 | 05 | 38 | 98 | 95 | 95 | 00 | 00 | -L | C 1 | 02 | -L | 0 | 0 | 0 | 86 |
| 3 | C | F | 1.202 | 08 | +7 | 71 | 41 | 54 | 61 | 99 | 95 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N | 01.00 | 00 | -7 | 56 | 13 | 05 | 35 | 99 | 96 | 94 | 00 | 00 | -L | G 2 | 20 | -L | 0 | 0 | 0 | 82 |
| 5 | | N | 01.00 | 00 | -6 | 56 | 13 | 04 | 33 | 99 | 96 | 94 | 00 | 00 | -L | D#4 | 00 | -L | 0 | 0 | 0 | 77 |
| 6 | | N | 04.00 | 00 | -5 | 56 | 13 | 03 | 33 | 99 | 96 | 94 | 00 | 00 | -L | D#4 | 00 | -L | 0 | 0 | 0 | 64 |
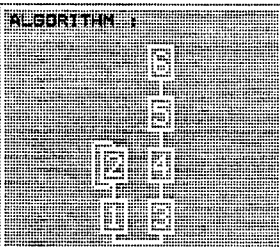
FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER ><br>range  step |
|---|---|
| 007 | 07  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 10-8 CHORUS SYNTH 2 BC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | | | |
|---|---|---|---|---|
| CRSYN 10.8 | | | | |

| | | < PITCH ENVELOPE > | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | |
|---|---|
| ALGO | 02 |
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

| | | | < LFO > | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 05 | 33 | 21 | 00 | OFF | 1 |

| OP | | M | < FREQ ><br>FC | FF | D | R1 | R2 | < ENVELOPE ><br>R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | < KBD SCALE ><br>BP | RD | RC | R | < S ><br>M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.413 | 15 | -7 | 71 | 41 | 54 | 61 | 99 | 95 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +7 | 59 | 46 | 05 | 38 | 98 | 95 | 95 | 00 | 00 | -L | C 1 | 02 | -L | 0 | 0 | 0 | 86 |
| 3 | C | F | 1.738 | 24 | +7 | 71 | 41 | 54 | 61 | 99 | 95 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N | 01.00 | 00 | +7 | 56 | 13 | 05 | 35 | 99 | 96 | 94 | 00 | 00 | -L | G 2 | 20 | -L | 0 | 0 | 0 | 82 |
| 5 | | N | 01.00 | 00 | +6 | 56 | 13 | 04 | 33 | 99 | 96 | 94 | 00 | 00 | -L | D#4 | 00 | -L | 0 | 0 | 0 | 77 |
| 6 | | N | 04.00 | 00 | +5 | 56 | 13 | 03 | 33 | 99 | 96 | 94 | 00 | 00 | -L | D#4 | 00 | -L | 0 | 0 | 0 | 64 |

FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER ><br>range  step |
|---|---|
| 007 | 07  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-1 FM PIANO 1

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FMPNO 11.1 | 99 | 99 | 99 | 60 | 50 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 12 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 6 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 0 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | N | 01.00 | 00 | -6 | 73 | 33 | 15 | 49 | 99 | 00 | 00 | 00 | 99 | +L | C 3 | 00 | -L | 7 | 0 | 3 | 99 |
| 2 | N | 14.40 | 20 | +4 | 99 | 85 | 35 | 32 | 99 | 75 | 30 | 00 | 08 | +L | F 2 | 04 | -L | 0 | 0 | 5 | 99 |
| 3 C | N | 01.00 | 00 | -1 | 75 | 22 | 08 | 45 | 99 | 91 | 00 | 00 | 00 | +L | B 3 | 00 | -L | 7 | 0 | 3 | 99 |
| 4 | N | 01.00 | 00 | +5 | 75 | 23 | 06 | 35 | 99 | 88 | 00 | 00 | 00 | +L | D 1 | 08 | -L | 3 | 0 | 2 | 89 |
| 5 | N | 05.00 | 00 | +7 | 75 | 21 | 23 | 46 | 99 | 88 | 00 | 00 | 00 | +L | F#2 | 26 | -L | 5 | 0 | 4 | 81 |
| 6 | N | 21.63 | 03 | +7 | 75 | 20 | 10 | 48 | 99 | 88 | 00 | 00 | 00 | +L | C 1 | 10 | -L | 7 | 0 | 5 | 46 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 00 | 00 | 99 | 00 |
| | | | | | pitch | OFF | OFF | OFF | OFF |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 006 | 07 | 00 | | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-2 FM PIANO 2

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FMPNO 11.2 | 99 | 99 | 99 | 60 | 50 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 12 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 6 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 0 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | N | 01.00 | 00 | -6 | 73 | 33 | 15 | 49 | 99 | 00 | 00 | 00 | 99 | +L | C 3 | 00 | -L | 7 | 0 | 3 | 99 |
| 2 | N | 14.40 | 20 | +4 | 99 | 85 | 35 | 32 | 99 | 75 | 30 | 00 | 08 | +L | F 2 | 04 | -L | 0 | 0 | 5 | 99 |
| 3 C | N | 01.00 | 00 | -1 | 75 | 22 | 08 | 45 | 99 | 91 | 00 | 00 | 00 | +L | B 3 | 00 | -L | 7 | 0 | 3 | 99 |
| 4 | N | 01.00 | 00 | +5 | 75 | 23 | 06 | 35 | 99 | 88 | 00 | 00 | 00 | +L | D 1 | 08 | -L | 3 | 0 | 2 | 89 |
| 5 | N | 05.00 | 00 | +7 | 75 | 21 | 23 | 46 | 99 | 88 | 00 | 00 | 00 | +L | F#2 | 26 | -L | 5 | 0 | 4 | 81 |
| 6 | N | 21.63 | 03 | +7 | 75 | 20 | 10 | 48 | 99 | 88 | 00 | 00 | 00 | +L | C 1 | 10 | -L | 7 | 0 | 5 | 46 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 00 | 00 | 99 | 00 |
| | | | | | pitch | OFF | OFF | OFF | OFF |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 006 | 07 | 00 | | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**53**

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | M.PNO 11.3 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 1 | | | | | | | |
| SYNC | OFF | TRI | 34 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +0 | 95 | 47 | 30 | 51 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 2 | | N | 26.00 | 00 | +0 | 99 | 46 | 35 | 35 | 80 | 75 | 55 | 00 | 99 | -L | C 3 | 99 | +E | 4 | 0 | 7 | 99 |
| 3 | C | N | 01.00 | 00 | +0 | 96 | 25 | 25 | 55 | 99 | 75 | 00 | 00 | 00 | +L | C 3 | 00 | -E | 3 | 0 | 0 | 99 |
| 4 | | N | 08.00 | 00 | +0 | 95 | 84 | 20 | 35 | 99 | 00 | 00 | 46 | 00 | -E | C 3 | 00 | +E | 3 | 0 | 5 | 99 |
| 5 | C | N | 01.00 | 00 | -4 | 95 | 20 | 20 | 47 | 99 | 95 | 00 | 00 | 00 | -L | C 3 | 40 | -E | 3 | 0 | 2 | 99 |
| 6 | | N | 01.00 | 00 | +4 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 99 | +L | C 3 | 99 | +E | 3 | 0 | 7 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | |
| | | | | range | 00 | 00 | 99 | 00 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | OFF |
| | | range | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | | 07 | 00 | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-4 WIRE ELECTRIC PIANO 1

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | W.PNO 11.4 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 11 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | ON | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +5 | 65 | 25 | 23 | 48 | 99 | 94 | 00 | 00 | 00 | -L | A 4 | 00 | -L | 3 | 0 | 0 | 99 |
| 2 | | N | 01.00 | 00 | -7 | 68 | 54 | 14 | 43 | 99 | 89 | 00 | 00 | 11 | +L | C#4 | 00 | -L | 2 | 0 | 3 | 82 |
| 3 | | N | 09.09 | 01 | +1 | 95 | 50 | 31 | 37 | 99 | 90 | 00 | 00 | 00 | -L | G 4 | 01 | -L | 3 | 0 | 4 | 77 |
| 4 | C | N | 01.00 | 00 | -4 | 95 | 37 | 29 | 48 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 99 |
| 5 | | N | 03.00 | 00 | -4 | 95 | 39 | 21 | 14 | 99 | 91 | 00 | 00 | 00 | +L | C#4 | 48 | -L | 3 | 0 | 7 | 83 |
| 6 | | N | 15.00 | 00 | +1 | 99 | 55 | 21 | 27 | 94 | 80 | 00 | 00 | 00 | -E | A 4 | 00 | -L | 7 | 0 | 7 | 89 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | |
| | | | | range | 00 | 00 | 99 | 00 |
| LEVEL ATT | < P.BENDER > | | | pitch | OFF | OFF | OFF | OFF |
| | | range | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 005 | | 07 | 00 | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-5 METAL ELECTRIC PIANO 2

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| M.PNO 11.5 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 15 | 33 | 00 | 00 | OFF | 2 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +3 | 96 | 25 | 25 | 67 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 99 |
| 2 | | N 16.00 | 00 | +0 | 95 | 50 | 35 | 78 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 97 |
| 3 | C | N 01.00 | 00 | +0 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 4 | | N 01.00 | 00 | +0 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 96 |
| 5 | C | N 01.00 | 00 | -7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 99 |
| 6 | | N 06.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | D 3 | 19 | -L | 3 | 0 | 6 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 005 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-6 WIRE ELECTRIC PIANO 2

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| W.PNO 11.6 | | 99 | 84 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | SIN | 34 | 82 | 00 | 99 | OFF | 2 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | +0 | 99 | 28 | 37 | 41 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 89 |
| 2 | | N 10.00 | 00 | +0 | 99 | 90 | 34 | 44 | 99 | 78 | 11 | 00 | 00 | -L | D#4 | 00 | -L | 3 | 0 | 4 | 99 |
| 3 | C | N 01.00 | 00 | +0 | 99 | 26 | 29 | 41 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 4 | 99 |
| 4 | | N 03.00 | 00 | -6 | 99 | 92 | 21 | 44 | 99 | 78 | 11 | 00 | 00 | -L | D#4 | 00 | -L | 3 | 0 | 4 | 99 |
| 5 | C | N 02.00 | 00 | -7 | 99 | 28 | 37 | 41 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 6 | 89 |
| 6 | | N 10.00 | 00 | -7 | 99 | 90 | 34 | 44 | 99 | 78 | 11 | 00 | 00 | -L | D#4 | 00 | -L | 3 | 0 | 2 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-7 ACOUSTIC PIANO L

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | A.PNO 11.7 | | 99 | 99 | 99 | 99 | 49 | 50 | 50 | 50 |

| ALGO | 16 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +0 | 70 | 23 | 17 | 46 | 99 | 79 | 00 | 00 | 00 | -L | D#2 | 00 | -L | 6 | 0 | 4 | 99 |
| 2 | | F 74.13 | 87 | +0 | 66 | 61 | 64 | 55 | 99 | 82 | 00 | 00 | 20 | -L | A 7 | 00 | -L | 1 | 0 | 2 | 80 |
| 3 | | N 01.00 | 00 | -1 | 65 | 15 | 13 | 43 | 99 | 88 | 00 | 00 | 00 | -L | C 4 | 95 | -L | 3 | 0 | 1 | 77 |
| 4 | | N 04.00 | 00 | +1 | 64 | 14 | 11 | 43 | 99 | 88 | 00 | 00 | 00 | +L | C 0 | 87 | -E | 6 | 0 | 1 | 77 |
| 5 | | N 20.00 | 00 | +2 | 72 | 16 | 00 | 42 | 99 | 92 | 00 | 00 | 20 | -L | G#0 | 84 | -L | 4 | 0 | 3 | 72 |
| 6 | | N 08.00 | 00 | +7 | 94 | 19 | 00 | 42 | 99 | 92 | 00 | 00 | 08 | +L | B 1 | 00 | -L | 0 | 0 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < F.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 11-8 ACOUSTIC PIANO R

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | A.PNO 11.8 | | 99 | 99 | 99 | 99 | 49 | 50 | 50 | 50 |

| ALGO | 16 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | ON |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +7 | 70 | 23 | 17 | 46 | 99 | 79 | 00 | 00 | 00 | -L | D#2 | 00 | -L | 6 | 0 | 3 | 99 |
| 2 | | F 74.13 | 87 | +7 | 66 | 61 | 64 | 55 | 99 | 82 | 00 | 00 | 20 | -L | A 7 | 00 | -L | 1 | 0 | 2 | 80 |
| 3 | | N 01.00 | 00 | +3 | 65 | 15 | 13 | 43 | 99 | 88 | 00 | 00 | 00 | -L | F 2 | 09 | -L | 3 | 0 | 1 | 77 |
| 4 | | N 05.00 | 00 | +5 | 64 | 14 | 11 | 43 | 99 | 88 | 00 | 00 | 00 | +L | C 0 | 87 | -E | 6 | 0 | 1 | 77 |
| 5 | | N 20.00 | 00 | +7 | 72 | 16 | 00 | 42 | 99 | 92 | 00 | 00 | 20 | -L | G#0 | 84 | -L | 4 | 0 | 3 | 72 |
| 6 | | N 08.00 | 00 | +0 | 94 | 19 | 00 | 42 | 99 | 92 | 00 | 00 | 08 | +L | B 1 | 00 | -L | 0 | 0 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < F.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 12-1 TRIANGLE ↑ C$_1$

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TRIGL 12.1 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 3 | | | | | | | | |
| F.B | 4 | TRI | 35 | 00 | 00 | 00 | ON | 3 | |
| SYNC | ON | | | | | | | | |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | F | 9333. | 97 | +0 | 89 | 60 | 14 | 42 | 99 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 2 | 99 |
| 2 | | F | 2570. | 41 | +0 | 99 | 42 | 27 | 28 | 99 | 79 | 00 | 79 | 00 | −L | A−1 | 99 | −L 0 | 0 | 1 | 99 |
| 3 | C | F | 3236. | 51 | −7 | 99 | 54 | 45 | 41 | 99 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 2 | 95 |
| 4 | | F | 7586. | 88 | +7 | 82 | 49 | 99 | 00 | 97 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 0 | 87 |
| 5 | | F | 8318. | 92 | +0 | 99 | 48 | 99 | 00 | 99 | 48 | 99 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 7 | 73 |
| 6 | | F | 977.2 | 99 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 0 | 80 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | step | | amp | OFF | OFF | OFF | OFF |
| 007 | 07 | 00 | | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C −2    HIGH:C 1

## 12-2 FLEXI C$_1^{\#}$ −F$_1^{\#}$
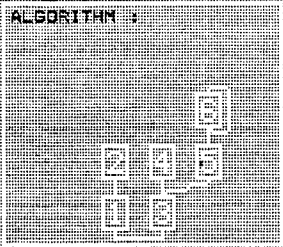
### TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FLEXI 12.2 | 99 | 50 | 22 | 21 | 30 | 50 | 50 | 99 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 1 | | | | | | | | |
| F.B | 7 | TRI | 50 | 60 | 22 | 90 | OFF | 7 | |
| SYNC | ON | | | | | | | | |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | F | 1000. | 00 | +0 | 99 | 57 | 62 | 40 | 99 | 73 | 00 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 3 | 99 |
| 2 | | N | 02.00 | 00 | +0 | 99 | 31 | 28 | 17 | 99 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L 0 | 0 | 0 | 78 |
| 3 | C | N | 02.00 | 00 | +0 | 98 | 58 | 51 | 33 | 99 | 92 | 00 | 00 | 00 | −L | C 1 | 00 | −E 2 | 0 | 1 | 99 |
| 4 | | N | 07.00 | 00 | +0 | 99 | 34 | 38 | 30 | 99 | 00 | 00 | 00 | 00 | −L | C 1 | 00 | −E 2 | 0 | 0 | 97 |
| 5 | | N | 11.22 | 02 | +1 | 85 | 67 | 96 | 27 | 99 | 00 | 00 | 00 | 00 | −L | C 1 | 00 | −E 1 | 0 | 0 | 68 |
| 6 | | N | 16.20 | 08 | +1 | 99 | 79 | 92 | 25 | 99 | 00 | 00 | 00 | 00 | −L | C 1 | 96 | −E 3 | 0 | 0 | 86 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | step | | amp | OFF | OFF | OFF | OFF |
| 007 | 07 | 00 | | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C#1    HIGH:F#1

**57**

## TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | CHIPB 12.3 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 07 | | | | | | | | |
| MID C | C 5 | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| F.B | 0 | | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | F 1.000 | 00 | +0 | 95 | 60 | 44 | 50 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 99 |
| 2 | | N 04.40 | 10 | +0 | 89 | 82 | 70 | 00 | 99 | 48 | 00 | 00 | 00 | -L | D#4 | 14 | -L | 0 | 0 | 3 | 84 |
| 3 | C | N 01.01 | 01 | +0 | 95 | 70 | 49 | 76 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 4 | | F 1585. | 20 | +0 | 90 | 88 | 60 | 74 | 82 | 48 | 00 | 00 | 00 | -L | D#4 | 14 | -L | 0 | 0 | 3 | 78 |
| 5 | | N 03.44 | 72 | +0 | 99 | 79 | 55 | 00 | 96 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -L | 0 | 0 | 2 | 79 |
| 6 | | F 10.00 | 00 | +0 | 99 | 65 | 00 | 00 | 78 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -L | 0 | 0 | 5 | 99 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | | | | | |

NOTE LIMIT     LOW:G 1     HIGH:F#2

## TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | HNDRM 12.4 | | 75 | 28 | 57 | 99 | 50 | 50 | 49 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 04 | | | | | | | | |
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| F.B | 6 | | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | | 0 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | N 00.76 | 52 | +0 | 84 | 71 | 47 | 46 | 50 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 99 |
| 2 | | N 00.85 | 71 | +0 | 82 | 38 | 17 | 29 | 99 | 88 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 1 | 70 |
| 3 | | N 00.92 | 85 | +0 | 79 | 85 | 17 | 26 | 97 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 94 |
| 4 | C | F 724.4 | 86 | +0 | 94 | 71 | 46 | 57 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 99 |
| 5 | | F 501.2 | 70 | +0 | 74 | 70 | 71 | 40 | 99 | 90 | 00 | 00 | 00 | -L | F#2 | 00 | -L | 4 | 0 | 0 | 81 |
| 6 | | N 01.48 | 48 | +0 | 99 | 74 | 82 | 38 | 71 | 93 | 00 | 39 | 00 | -L | C#2 | 00 | -L | 3 | 0 | 1 | 91 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | | | | | |

NOTE LIMIT     LOW:G 2     HIGH:F#3

## 12-5 PHLOOT G₃-F#₄

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | PHOOT 12.5 | | 82 | 99 | 99 | 99 | 50 | 50 | 50 | 38 |

| ALGO | 07 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 5 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 28 | 59 | 85 | ON | 2 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | |
| 1 | C | N 00.50 | 00 | +7 | 99 | 59 | 61 | 68 | 46 | 92 | 74 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 1 | 93 |
| 2 | | N 00.81 | 63 | -7 | 59 | 46 | 50 | 99 | 67 | 96 | 00 | 99 | 00 | -L | A-1 | 00 | -L 1 | 0 | 2 | 64 |
| 3 | C | N 00.50 | 00 | -7 | 57 | 65 | 57 | 71 | 64 | 95 | 71 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 1 | 99 |
| 4 | | N 00.68 | 36 | -1 | 73 | 75 | 57 | 57 | 67 | 64 | 59 | 50 | 00 | -L | A-1 | 00 | -L 2 | 0 | 0 | 87 |
| 5 | | F 1995. | 30 | +0 | 74 | 82 | 30 | 81 | 56 | 60 | 32 | 68 | 00 | -L | A-1 | 00 | -L 0 | 0 | 0 | 88 |
| 6 | | F 2291. | 36 | +4 | 93 | 43 | 17 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:G 3     HIGH:F#4

## 12-6 TIMBALE G₄-F#₅

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TMBLE 12.6 | | 99 | 98 | 75 | 60 | 50 | 51 | 50 | 50 |

| ALGO | 16 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 11 | 00 | 16 | 00 | OFF | 2 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | |
| 1 | C | F 1.000 | 00 | +0 | 99 | 32 | 32 | 35 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | +L 5 | 0 | 2 | 99 |
| 2 | | N 00.52 | 05 | +3 | 76 | 99 | 63 | 00 | 80 | 99 | 00 | 00 | 00 | -L | D 3 | 00 | -E 2 | 0 | 2 | 99 |
| 3 | | N 00.85 | 70 | -7 | 99 | 77 | 38 | 00 | 99 | 72 | 00 | 00 | 00 | -L | A-1 | 00 | -E 3 | 0 | 3 | 96 |
| 4 | | N 00.64 | 28 | +0 | 99 | 31 | 17 | 64 | 99 | 93 | 85 | 99 | 00 | +L | F 6 | 00 | -E 4 | 0 | 0 | 81 |
| 5 | | N 00.57 | 14 | +0 | 99 | 50 | 50 | 19 | 99 | 00 | 00 | 00 | 00 | +L | F 6 | 00 | -E 3 | 0 | 4 | 82 |
| 6 | | N 01.54 | 54 | +0 | 98 | 02 | 26 | 32 | 98 | 00 | 00 | 00 | 00 | -L | C 0 | 00 | +E 6 | 0 | 0 | 73 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:G 4     HIGH:F#5

## 12-7 PAN DRUM G₅-B₅

**ALGORITHM :**



| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| P.DRM 12.7 | | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 15 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 1 | | | | | | |
| F.B | 7 | | | | | | |
| SYNC | ON | TRI | 25 | 00 | 10 | 99 | OFF | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1000. | 00 | +0 | 99 | 40 | 33 | 38 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 3 | 99 |
| 2 | | N 03.40 | 70 | +0 | 99 | 19 | 20 | 09 | 99 | 87 | 00 | 00 | 00 | +E | E 7 | 99 | -L | 2 | 0 | 0 | 67 |
| 3 | C | N 01.00 | 00 | +0 | 99 | 30 | 35 | 40 | 99 | 92 | 00 | 00 | 00 | -L | G 3 | 00 | -L | 3 | 0 | 3 | 99 |
| 4 | | N 02.00 | 00 | +7 | 68 | 11 | 50 | 21 | 91 | 82 | 42 | 00 | 00 | -L | C 5 | 99 | -L | 3 | 0 | 5 | 91 |
| 5 | | N 05.32 | 33 | +0 | 99 | 40 | 38 | 20 | 91 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 64 |
| 6 | | F 398.1 | 60 | +0 | 99 | 49 | 28 | 12 | 91 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 69 |
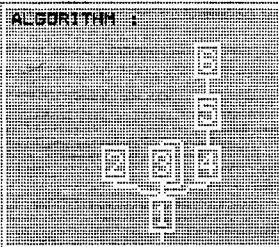
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:G 5     HIGH:B 5

## 12-8 ODA BELL C₆ ↑

**ALGORITHM :**



| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| ODABL 12.8 | | | 98 | 98 | 98 | 98 | 52 | 00 | 00 | 46 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | |
| F.B | 7 | | | | | | |
| SYNC | ON | TRI | 92 | 00 | 01 | 99 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 2951. | 47 | +2 | 99 | 85 | 67 | 46 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 95 |
| 2 | | F 21.88 | 34 | -3 | 99 | 44 | 99 | 39 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 3 | | F 8511. | 93 | +3 | 99 | 44 | 99 | 32 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 74 |
| 4 | | F 123.0 | 09 | +5 | 99 | 44 | 99 | 20 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 57 |
| 5 | | F 831.8 | 92 | +2 | 99 | 42 | 99 | 13 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 68 |
| 6 | | F 97.72 | 99 | -4 | 99 | 39 | 99 | 11 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 83 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C 6     HIGH:G 8

## 13-1  ELECTRIC PIANO 1  $E_3$ ↑  MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| E.PNO 13.1 | | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 03 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 3 | | | | | | | |
| SYNC | OFF | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.000 | 00 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 4 | 99 |
| 2 | | N 01.00 | 00 | -7 | 99 | 50 | 24 | 60 | 99 | 97 | 00 | 00 | 18 | +L | A#3 | 00 | -L | 0 | 0 | 3 | 76 |
| 3 | | N 15.00 | 00 | +0 | 99 | 46 | 36 | 99 | 99 | 51 | 00 | 00 | 25 | -L | C 3 | 14 | -L | 4 | 0 | 7 | 70 |
| 4 | C | F 2.042 | 31 | +0 | 90 | 99 | 99 | 50 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 5 | | N 01.00 | 00 | -1 | 99 | 50 | 24 | 60 | 99 | 97 | 00 | 00 | 24 | +L | F 3 | 00 | -L | 0 | 0 | 3 | 78 |
| 6 | | N 01.00 | 00 | -1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 14 | -L | 0 | 0 | 5 | 77 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | |
|---|---|---|---|---|
| | mode | gliss | time | |
| POLY | retai | OFF | 00 | |
| LEVEL ATT | < P.BENDER > | | | |
| | range | step | | |
| 007 | 02 | .00 | | |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT      LOW:E 3      HIGH:G 8

## 13-2  ELECTRIC PIANO 2  $E_3$ ↑  MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| E.PNO 13.2 | | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 28 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.023 | 01 | +0 | 97 | 50 | 17 | 67 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | -1 | 99 | 68 | 17 | 90 | 99 | 87 | 00 | 94 | 00 | -L | C 3 | 08 | -L | 2 | 0 | 2 | 95 |
| 3 | C | F 1.622 | 21 | +0 | 97 | 50 | 17 | 61 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | | N 01.00 | 00 | -6 | 99 | 68 | 17 | 57 | 99 | 90 | 00 | 00 | 00 | -L | G 3 | 44 | -L | 0 | 0 | 2 | 90 |
| 5 | | F 4677. | 67 | +0 | 99 | 78 | 36 | 89 | 99 | 62 | 00 | 99 | 12 | -L | C 3 | 56 | +L | 0 | 0 | 6 | 68 |
| 6 | C | N 12.53 | 79 | +0 | 92 | 86 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | D#3 | 00 | -L | 2 | 3 | 2 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | |
|---|---|---|---|---|
| | mode | gliss | time | |
| POLY | retai | OFF | 00 | |
| LEVEL ATT | < P.BENDER > | | | |
| | range | step | | |
| 007 | 02 | 00 | | |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT      LOW:E 3      HIGH:G 8

## 13-3 ELECTRIC ORGAN 1 $E_3 \uparrow$ FC

### TX816 VOICE DATA

**ALGORITHM**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| E.ORG 13.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 | C | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 4 | 91 |
| 3 | C | F | 1.862 | 27 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 4 | | N | 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 4 | 83 |
| 5 | C | F | 2.884 | 46 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 6 | | N | 03.00 | 50 | +0 | 90 | 99 | 80 | 99 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 3 | 80 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:E 3     HIGH:G 8

## 13-4 ELECTRIC ORGAN 2 $E_3 \uparrow$ FC

### TX816 VOICE DATA

**ALGORITHM**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| E.ORG 13.4 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 | C | F | 2.138 | 33 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 4 | 93 |
| 3 | C | F | 2.455 | 39 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 4 | | N | 01.50 | 50 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 4 | 85 |
| 5 | C | F | 3.890 | 59 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 0 | 99 |
| 6 | | N | 01.99 | 99 | +0 | 90 | 99 | 80 | 99 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 3 | 82 |
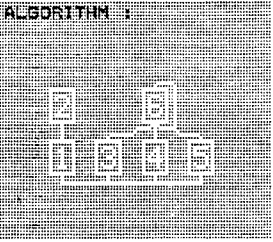
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:E 3     HIGH:G 8

**62**

## 13-5 BREATH CONTROL TRUMPET 1 BC

TX816 VOICE DATA

<table>
<tr><td>ALGORITHM :</td><td colspan="2">< NAME ></td><td colspan="9">< PITCH ENVELOPE ></td></tr>
<tr><td></td><td colspan="2"></td><td>R1</td><td>R2</td><td>R3</td><td>R4</td><td></td><td>L1</td><td>L2</td><td>L3</td><td>L4</td></tr>
<tr><td></td><td colspan="2">BCTRP 13.5</td><td>94</td><td>67</td><td>95</td><td>60</td><td></td><td>50</td><td>50</td><td>50</td><td>50</td></tr>
<tr><td></td><td>ALGO</td><td>22</td><td colspan="9">< LFO ></td></tr>
<tr><td></td><td>MID C</td><td>C 3</td><td>WAVE</td><td>SPD</td><td>DLY</td><td>PMD</td><td>AMD</td><td colspan="2">SYNC</td><td colspan="2">PMS</td></tr>
<tr><td></td><td>F.B</td><td>7</td><td colspan="9"></td></tr>
<tr><td></td><td>SYNC</td><td>ON</td><td>SIN</td><td>34</td><td>33</td><td>00</td><td>00</td><td colspan="2">OFF</td><td colspan="2">1</td></tr>
</table>

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|----|
| | | | | | | | | | | | | | | | | | | | | | |
| 1 | C | N | 01.00 | 00 +7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 50 |
| 2 | | N | 01.00 | 00 +7 | 60 | 15 | 15 | 70 | 99 | 90 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 89 |
| 3 | C | N | 01.00 | 00 +7 | 68 | 20 | 20 | 70 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | C | N | 01.00 | 00 +7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 97 |
| 5 | C | N | 01.00 | 00 +7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 6 | | N | 01.00 | 00 +7 | 60 | 61 | 19 | 70 | 99 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 2 | 0 | 81 |

(< FREQ >) (< ENVELOPE >) (< KBD SCALE >) (< S >)

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time | < MODULATION > | | | |
|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |

| POLY | retai  OFF  00 |
|---|---|

| | | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|---|
| range | | 99 | 99 | 99 | 46 |
| pitch | | OFF | OFF | OFF | ON |
| amp | | OFF | OFF | OFF | OFF |
| EG-bias | | OFF | OFF | ON | OFF |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 02  00 |

NOTE LIMIT     LOW:C -2     HIGH:G 8

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## 13-6 BREATH CONTROL TRUMPET 2 BC

TX816 VOICE DATA

<table>
<tr><td>ALGORITHM :</td><td colspan="2">< NAME ></td><td colspan="9">< PITCH ENVELOPE ></td></tr>
<tr><td></td><td colspan="2"></td><td>R1</td><td>R2</td><td>R3</td><td>R4</td><td></td><td>L1</td><td>L2</td><td>L3</td><td>L4</td></tr>
<tr><td></td><td colspan="2">BCTRP 13.6</td><td>94</td><td>67</td><td>95</td><td>60</td><td></td><td>50</td><td>50</td><td>50</td><td>50</td></tr>
<tr><td></td><td>ALGO</td><td>22</td><td colspan="9">< LFO ></td></tr>
<tr><td></td><td>MID C</td><td>C 3</td><td>WAVE</td><td>SPD</td><td>DLY</td><td>PMD</td><td>AMD</td><td colspan="2">SYNC</td><td colspan="2">PMS</td></tr>
<tr><td></td><td>F.B</td><td>7</td><td colspan="9"></td></tr>
<tr><td></td><td>SYNC</td><td>ON</td><td>SIN</td><td>34</td><td>33</td><td>00</td><td>00</td><td colspan="2">OFF</td><td colspan="2">1</td></tr>
</table>

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|----|
| 1 | C | N | 01.00 | 00 -7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 50 |
| 2 | | N | 01.00 | 00 -7 | 60 | 15 | 15 | 70 | 99 | 90 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 89 |
| 3 | C | N | 01.00 | 00 -7 | 68 | 20 | 20 | 70 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | C | N | 01.00 | 00 -7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 97 |
| 5 | C | N | 01.00 | 00 -7 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 6 | | N | 01.00 | 00 -7 | 60 | 61 | 19 | 70 | 99 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 2 | 0 | 81 |

(< FREQ >) (< ENVELOPE >) (< KBD SCALE >) (< S >)

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time | < MODULATION > | | | |
|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |

| POLY | retai  OFF  00 |
|---|---|

| | | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|---|
| range | | 99 | 99 | 99 | 46 |
| pitch | | OFF | OFF | OFF | ON |
| amp | | OFF | OFF | OFF | OFF |
| EG-bias | | OFF | OFF | ON | OFF |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 02  00 |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 13-7  BASS  ↑C₃

| ALGORITHM : | | < NAME >  BASS  13.7 | | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 | |
| | | | | | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 | |

| ALGO | 17 | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N 01.00 | 00 | +2 | 99 | 40 | 27 | 71 | 99 | 86 | 00 | 00 | 00 | −L | C 3 | 67 | −L | 0 | 0 | 1 | 99 |
| 2 | | N 03.00 | 00 | +5 | 59 | 62 | 22 | 71 | 99 | 86 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 5 | 0 | 5 | 70 |
| 3 | | N 00.50 | 00 | +0 | 59 | 55 | 52 | 71 | 99 | 99 | 99 | 00 | 00 | −L | A−1 | 00 | −L | 5 | 0 | 0 | 71 |
| 4 | | N 09.00 | 00 | −1 | 59 | 99 | 41 | 71 | 99 | 99 | 00 | 00 | 21 | −L | D 3 | 00 | −L | 5 | 0 | 7 | 63 |
| 5 | | N 09.00 | 00 | +0 | 99 | 99 | 38 | 99 | 99 | 99 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 5 | 0 | 7 | 64 |
| 6 | | N 06.00 | 00 | +0 | 99 | 99 | 62 | 99 | 99 | 99 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 4 | 0 | 5 | 99 |
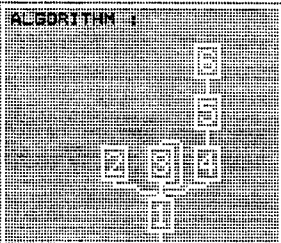
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | | | | |
| POLY | retai | OFF | 00 | | | MOD | F.C | B.C | A.TCH |
| | | | | | range | 99 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | | pitch | OFF | OFF | OFF | ON |
| | range | | step | | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C −2    HIGH:G 8

## 13-8  CLAV

| ALGORITHM : | | < NAME >  CLAV  13.8 | | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 | |
| | | | | | | 06 | 00 | 00 | 00 | | 50 | 50 | 50 | 50 | |

| ALGO | 18 | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| F.B | 3 | | | | | | | | |
| SYNC | ON | SIN | 30 | 00 | 00 | 00 | OFF | 0 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N 02.00 | 00 | −3 | 95 | 92 | 28 | 60 | 99 | 90 | 00 | 00 | 53 | −L | C 4 | 00 | −L | 3 | 0 | 7 | 94 |
| 2 | | N 00.50 | 00 | −1 | 99 | 95 | 00 | 00 | 99 | 96 | 89 | 99 | 00 | −L | F 2 | 00 | −L | 3 | 0 | 5 | 82 |
| 3 | | N 10.50 | 50 | +0 | 99 | 87 | 00 | 00 | 87 | 86 | 00 | 99 | 00 | −L | F 2 | 21 | −L | 3 | 0 | 7 | 85 |
| 4 | | N 03.00 | 00 | +0 | 99 | 92 | 28 | 60 | 99 | 90 | 00 | 99 | 00 | −L | F 2 | 00 | −L | 3 | 0 | 4 | 81 |
| 5 | | N 04.00 | 00 | −2 | 99 | 95 | 54 | 00 | 99 | 96 | 89 | 99 | 00 | −L | F 2 | 00 | −L | 3 | 0 | 4 | 74 |
| 6 | | N 20.00 | 00 | +0 | 99 | 87 | 00 | 00 | 87 | 86 | 00 | 99 | 00 | −L | F 2 | 21 | −L | 3 | 0 | 3 | 82 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | | | | |
| POLY | follo | OFF | 00 | | | MOD | F.C | B.C | A.TCH |
| | | | | | range | 53 | 00 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | | amp | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | | EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C −2    HIGH:G 8

## 14-1 ELECTRIC PIANO 1

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | E.PNO 14.1 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 05 | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 15 | 33 | 00 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +7 | 96 | 25 | 25 | 67 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 2 | | N | 14.00 | 00 | +7 | 95 | 50 | 35 | 78 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 58 |
| 3 | C | N | 01.00 | 00 | +7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 4 | | N | 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 89 |
| 5 | C | N | 01.00 | 00 | -7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 99 |
| 6 | | N | 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | D 3 | 19 | -L | 3 | 0 | 6 | 79 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 26 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 14-2 ELECTRIC PIANO 2

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | E.PNO 14.2 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 05 | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 15 | 33 | 00 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +7 | 96 | 25 | 25 | 67 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 2 | | N | 14.00 | 00 | +7 | 95 | 50 | 35 | 78 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 58 |
| 3 | C | N | 01.00 | 00 | +7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 99 |
| 4 | | N | 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 89 |
| 5 | C | N | 01.00 | 00 | -7 | 95 | 20 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 99 |
| 6 | | N | 01.00 | 00 | +7 | 95 | 29 | 20 | 50 | 99 | 95 | 00 | 00 | 00 | -L | D 3 | 19 | -L | 3 | 0 | 6 | 79 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 26 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 14-3 BREATH CONTROL BRASS 1 BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| | BCBRS 14.3 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 | |
| | ALGO | 22 | | | | < LFO > | | | | | |
| | MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | | |
| | F.B | 7 | | | | | | | | | |
| | SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 3 | | |

| OP | M | < FREQ > | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | | | | | | | | | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | +0 | 60 | 15 | 15 | 70 | 99 | 90 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 89 |
| 3 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 97 |
| 5 | C | N 01.00 | 00 | +0 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 6 | | N 01.00 | 00 | +0 | 60 | 61 | 19 | 70 | 99 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 3 | 1 | 83 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 19 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8


## 14-4 BREATH CONTROL BRASS 2 BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | |
| | BCBRS 14.4 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 | |
| | ALGO | 22 | | | | < LFO > | | | | | |
| | MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | | |
| | F.B | 7 | | | | | | | | | |
| | SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 3 | | |

| OP | M | < FREQ > | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | | | | | | | | | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +5 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | +5 | 60 | 15 | 15 | 70 | 99 | 90 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 89 |
| 3 | C | N 01.00 | 00 | +5 | 68 | 20 | 20 | 70 | 99 | 96 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 4 | C | N 01.00 | 00 | +5 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 97 |
| 5 | C | N 01.00 | 00 | +5 | 68 | 20 | 20 | 70 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 6 | | N 01.00 | 00 | +5 | 60 | 61 | 19 | 70 | 99 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 3 | 1 | 83 |
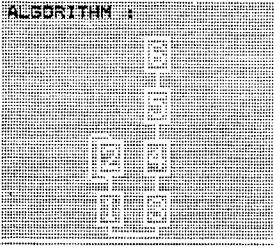
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 19 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 14-5 VIOLINS FC

TX816 VOICE DATA

| ALGORITHM : |
|---|

| < NAME > |
|---|
| VIOLN 14.5 |

| ALGO | 02 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 87 | 94 | 00 | 00 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 35 | 00 | 11 | 00 | ON | 1 |

| OP | | M | < FREQ > FC | FF | D | R1 | R2 | < ENVELOPE > R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | < KBD SCALE > BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.259 | 10 | -1 | 41 | 25 | 22 | 45 | 99 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 2 | 99 |
| 2 | | N | 02.00 | 00 | -7 | 99 | 00 | 00 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | -L | 1 | 0 | 0 | 76 |
| 3 | C | N | 02.00 | 00 | -1 | 53 | 18 | 17 | 56 | 99 | 95 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 4 | | N | 02.00 | 00 | +0 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | +L | G 3 | 13 | -L | 3 | 0 | 0 | 87 |
| 5 | | N | 08.00 | 00 | +3 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 00 | -L | B 2 | 22 | -L | 2 | 0 | 2 | 77 |
| 6 | | F | 2042. | 31 | +5 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 00 | +L | F#2 | 45 | -L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | | < PORTAMENTO > mode gliss time |
|---|---|---|
| POLY | | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 14-6 STRING BELLS FC

TX816 VOICE DATA

| ALGORITHM : |
|---|

| < NAME > |
|---|
| STGBL 14.6 |

| ALGO | 05 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 34 | 40 | 43 | 00 | OFF | 1 |

| OP | | M | < FREQ > FC | FF | D | R1 | R2 | < ENVELOPE > R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | < KBD SCALE > BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +0 | 37 | 42 | 17 | 34 | 99 | 99 | 74 | 00 | 99 | +L | C 8 | 00 | -E | 3 | 3 | 0 | 99 |
| 2 | | N | 03.00 | 00 | +7 | 99 | 00 | 00 | 00 | 99 | 99 | 99 | 00 | 32 | +L | C 3 | 00 | -E | 7 | 0 | 0 | 71 |
| 3 | C | N | 02.00 | 00 | +0 | 99 | 99 | 36 | 35 | 99 | 99 | 00 | 00 | 00 | -L | F#3 | 99 | +L | 3 | 3 | 0 | 99 |
| 4 | | N | 14.56 | 12 | +0 | 99 | 72 | 31 | 17 | 00 | 70 | 00 | 00 | 99 | +L | A 3 | 99 | +L | 7 | 0 | 0 | 99 |
| 5 | C | N | 01.00 | 00 | +7 | 37 | 42 | 16 | 34 | 99 | 99 | 80 | 00 | 00 | -L | C 1 | 00 | -E | 4 | 3 | 0 | 99 |
| 6 | | N | 01.00 | 00 | -7 | 99 | 00 | 00 | 00 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 00 | -E | 7 | 0 | 0 | 77 |
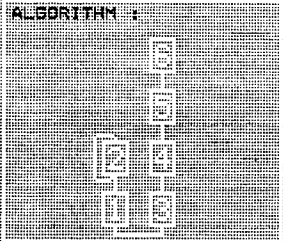
FUNCTION DATA

| POLY /MONO | | < PORTAMENTO > mode gliss time |
|---|---|---|
| POLY | | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 00 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 14-7 SYNTH STRINGS 1 FC

### TX816 VOICE DATA

**ALGORITHM :**

**< NAME >** SYNST 14.7

| ALGO | 02 |
| MID C | G#1 |
| F.B | 7 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 38 | 33 | 17 | 00 | OFF | 2 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | < KBD SCALE > LC | BP | RD | RC | R | < S > M | V | TL |
|----|---|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|---|------|---|----|
| 1 | C | F 1.000 | 00 | +2 | 46 | 33 | 20 | 46 | 99 | 92 | 84 | 00 | 00 | -L A-1 | 00 | -L | 2 | | 3 | 1 | 99 |
| 2 | N | 02.50 | 25 | +6 | 99 | 46 | 00 | 44 | 99 | 93 | 87 | 00 | 00 | -L D#4 | 00 | -L | 1 | | 0 | 1 | 84 |
| 3 | C | F 1.000 | 00 | +3 | 46 | 33 | 20 | 43 | 99 | 92 | 84 | 00 | 00 | -L A-1 | 00 | -L | 2 | | 3 | 0 | 99 |
| 4 | N | 02.50 | 25 | +2 | 99 | 46 | 00 | 46 | 99 | 93 | 87 | 00 | 00 | -L D#4 | 00 | -L | 1 | | 0 | 1 | 84 |
| 5 | N | 02.50 | 25 | -2 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L D#4 | 00 | -L | 1 | | 0 | 0 | 77 |
| 6 | N | 05.00 | 00 | +0 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L D#4 | 00 | -L | 1 | | 0 | 0 | 71 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|------------|------|-------|------|
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|-----------|------|------|
| 007 | 07 | 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|------|-----|-----|-----|-------|
| range | 19 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 14-8 SYNTH STRINGS 2 FC

### TX816 VOICE DATA

**ALGORITHM :**

**< NAME >** SYNST 14.8

| ALGO | 15 |
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 33 | 37 | 22 | 00 | OFF | 1 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | < KBD SCALE > LC | BP | RD | RC | R | < S > M | V | TL |
|----|---|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|---|------|---|----|
| 1 | C | N 01.01 | 01 | +0 | 49 | 51 | 17 | 43 | 55 | 99 | 93 | 00 | 00 | -L A-1 | 00 | -L | 2 | | 3 | 2 | 99 |
| 2 | N | 01.01 | 01 | +0 | 89 | 67 | 15 | 51 | 88 | 88 | 87 | 00 | 00 | -L D#4 | 00 | -L | 1 | | 0 | 0 | 85 |
| 3 | C | F 1.585 | 20 | +0 | 49 | 51 | 21 | 41 | 44 | 92 | 86 | 00 | 00 | +L C 4 | 00 | -L | 2 | | 3 | 0 | 90 |
| 4 | N | 01.01 | 01 | -7 | 96 | 19 | 20 | 54 | 99 | 92 | 89 | 00 | 00 | -L A-1 | 00 | -L | 2 | | 0 | 1 | 84 |
| 5 | N | 01.01 | 01 | +0 | 75 | 98 | 38 | 54 | 86 | 92 | 88 | 00 | 00 | -L A-1 | 00 | -L | 2 | | 0 | 5 | 82 |
| 6 | N | 05.05 | 01 | +0 | 53 | 64 | 31 | 54 | 98 | 92 | 74 | 00 | 16 | +L E 4 | 00 | -L | 2 | | 0 | 5 | 67 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|------------|------|-------|------|
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|-----------|------|------|
| 007 | 07 | 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|------|-----|-----|-----|-------|
| range | 53 | 99 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 15-1  STRINGS MELLOW  1  FC

### TX816 VOICE DATA

**ALGORITHM** (image)

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| STGSM 15.1 | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| ALGO | 16 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 42 | 33 | 51 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -7 | 53 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | -2 | 68 | 81 | 15 | 67 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 0 | 70 |
| 3 | | N 01.00 | 00 | +7 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N 03.00 | 00 | +7 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 77 |
| 5 | | N 01.00 | 00 | +2 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N 07.00 | 00 | +0 | 84 | 77 | 32 | 75 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 4 | 78 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 00 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

## 15-2  STRINGS BRIGHT  1  FC

### TX816 VOICE DATA

**ALGORITHM** (image)

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| STGSB 15.2 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 17 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 45 | 33 | 62 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 2.512 | 40 | +0 | 45 | 30 | 25 | 44 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | -1 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 82 |
| 3 | | N 01.00 | 00 | +1 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 | 1 | 70 |
| 4 | | N 01.00 | 00 | -1 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 89 |
| 5 | | N 02.00 | 00 | +7 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 39 | -L | 3 | 0 | 1 | 62 |
| 6 | | N 05.00 | 00 | +3 | 53 | 64 | 32 | 54 | 70 | 89 | 90 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 | 1 | 93 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 03 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

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## 15-3 ACOUSTIC GUITAR 1 ↑E₄ MW

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | A.GTR 15.3 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 45 | 00 | 00 | 00 | ON | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.047 | 02 | -7 | 88 | 27 | 17 | 35 | 99 | 99 | 00 | 00 | 00 | -L | E 3 | 50 | -L | 7 | 3 | 3 | 99 |
| 2 | | N 01.00 | 00 | -2 | 96 | 81 | 35 | 42 | 99 | 85 | 76 | 63 | 00 | -L | D#3 | 04 | -L | 2 | 0 | 2 | 97 |
| 3 | | N 02.00 | 00 | -2 | 88 | 24 | 12 | 67 | 99 | 88 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 2 | 60 |
| 4 | | F 1779. | 25 | -2 | 81 | 48 | 60 | 40 | 99 | 46 | 37 | 00 | 00 | -L | B 2 | 07 | -L | 6 | 0 | 3 | 82 |
| 5 | | N 01.00 | 00 | -4 | 88 | 23 | 10 | 53 | 99 | 92 | 00 | 65 | 00 | -L | G#2 | 71 | -L | 5 | 0 | 4 | 80 |
| 6 | | N 04.00 | 00 | +0 | 88 | 37 | 16 | 10 | 99 | 94 | 00 | 99 | 00 | -L | G#2 | 00 | -L | 5 | 0 | 7 | 93 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:E 4

## 15-4 ACOUSTIC GUITAR 2 ↑E₄ MW

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | A.GTR 15.4 | 98 | 98 | 75 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 14 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 4 | | | | | | | |
| SYNC | OFF | SIN | 39 | 85 | 01 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +6 | 75 | 69 | 24 | 66 | 99 | 27 | 00 | 00 | 00 | +E | B 3 | 28 | -L | 4 | 3 | 6 | 94 |
| 2 | | N 27.00 | 00 | +6 | 91 | 98 | 24 | 53 | 99 | 27 | 00 | 00 | 00 | -L | F 1 | 00 | -E | 3 | 0 | 4 | 94 |
| 3 | C | N 01.00 | 00 | +6 | 75 | 28 | 24 | 66 | 99 | 27 | 00 | 00 | 00 | +E | D 3 | 60 | -L | 5 | 3 | 1 | 99 |
| 4 | | N 03.00 | 00 | +6 | 91 | 28 | 24 | 53 | 99 | 27 | 00 | 00 | 00 | -L | F 1 | 00 | -E | 3 | 0 | 2 | 63 |
| 5 | | N 01.00 | 00 | +5 | 52 | 23 | 24 | 53 | 96 | 27 | 00 | 00 | 00 | -L | D#3 | 00 | -E | 3 | 0 | 3 | 61 |
| 6 | | N 05.00 | 00 | +6 | 91 | 28 | 24 | 53 | 99 | 27 | 00 | 00 | 00 | -L | G 0 | 00 | -L | 3 | 0 | 2 | 74 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:E 4

70

## 15-5 STRINGS MELLOW 2 FC

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

< NAME >

STG.M.15.5

| ALGO | 02 |
|---|---|
| MID C | G#1 |
| F.B | 7 |
| SYNC | ON |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 38 | 33 | 17 | 06 | OFF | 2 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F 1.000 | 00 | +2 | 46 | 33 | 20 | 46 | 99 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.50 | 25 | +6 | 99 | 46 | 00 | 44 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 1 | 84 |
| 3 | C | F 1.000 | 00 | +3 | 46 | 33 | 20 | 43 | 99 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 4 | | N 02.50 | 25 | +2 | 99 | 46 | 00 | 46 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 1 | 84 |
| 5 | | N 02.50 | 25 | -2 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 77 |
| 6 | | N 05.00 | 00 | +0 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 71 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 04 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 15-6 STRINGS BRIGHT 2 FC

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

< NAME >

STG.B 15.6

| ALGO | 02 |
|---|---|
| MID C | G#1 |
| F.B | 7 |
| SYNC | ON |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 38 | 33 | 17 | 00 | OFF | 2 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F 1.000 | 00 | +2 | 46 | 33 | 20 | 46 | 99 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 1 | 99 |
| 2 | | N 02.50 | 25 | +6 | 99 | 46 | 00 | 44 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 1 | 84 |
| 3 | C | F 1.000 | 00 | +3 | 46 | 33 | 20 | 43 | 99 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 4 | | N 02.50 | 25 | +2 | 99 | 46 | 00 | 46 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 1 | 84 |
| 5 | | N 02.50 | 25 | -2 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 77 |
| 6 | | N 05.00 | 00 | +0 | 99 | 46 | 00 | 43 | 99 | 93 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 71 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 15-7 BREATH CONTROL OBOE A₃ ↑ BC
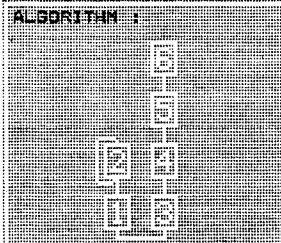
| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 L4 |
| | OBOE  15.7 | | 00 | 00 | 00 | 00 | 50 | 50 | 50 50 |

| ALGO | 03 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 4 | | | | | | | |
| SYNC | OFF | SIN | 37 | 42 | 00 | 00 | OFF | 1 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 04.00 | 00 | +0 | 60 | 40 | 20 | 70 | 99 | 99 | 93 | 00 | 00 | −L | C 4 | 00 | −L | 3 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | +0 | 63 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | −L | C 4 | 00 | −L | 1 | 0 | 0 | 75 |
| 3 | | N 07.00 | 00 | +0 | 97 | 80 | 80 | 70 | 99 | 90 | 80 | 00 | 00 | −L | C 4 | 00 | −L | 1 | 1 | 0 | 78 |
| 4 | C | N 04.00 | 00 | +0 | 60 | 40 | 20 | 70 | 99 | 99 | 90 | 00 | 00 | −L | C 4 | 00 | −L | 3 | 2 | 0 | 86 |
| 5 | | N 01.00 | 00 | +0 | 63 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | −L | C 4 | 00 | −L | 1 | 1 | 0 | 88 |
| 6 | | F 3981. | 60 | +0 | 97 | 80 | 80 | 70 | 99 | 90 | 80 | 00 | 00 | −L | C 4 | 00 | −L | 1 | 0 | 0 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai   OFF   00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 007 | 02     00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:A 3    HIGH:G 8


## 15-8  VIOLINS  FC

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 L4 |
| | VIOLN 15.8 | | 87 | 94 | 00 | 00 | 49 | 50 | 50 50 |

| ALGO | 02 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 35 | 00 | 11 | 00 | ON | 1 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.259 | 10 | −1 | 41 | 25 | 22 | 45 | 99 | 97 | 86 | 00 | 00 | −L | A−1 | 00 | −L | 4 | 3 | 2 | 99 |
| 2 | | N 02.00 | 00 | −7 | 99 | 00 | 00 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | −L | 1 | 0 | 0 | 76 |
| 3 | C | N 02.00 | 00 | −1 | 53 | 18 | 17 | 56 | 99 | 95 | 92 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 3 | 7 | 99 |
| 4 | | N 02.00 | 00 | +0 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | +L | G 3 | 13 | −L | 3 | 0 | 0 | 87 |
| 5 | | N 08.00 | 00 | +3 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 00 | −L | B 2 | 22 | −L | 2 | 0 | 2 | 77 |
| 6 | | F 2042. | 31 | +5 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 00 | +L | F#2 | 45 | −L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai   OFF   00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 007. | 06     00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C −2    HIGH:G 8

## 16-1  PLUCKED  1

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| PLUK  16.1 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 16 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 21 | 00 | 00 | 00 | ON | 2 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 | C | F | 1.000 | 00 | +0 | 99 | 33 | 14 | 38 | 99 | 80 | 00 | 00 | 99 | +L | E 3 | 00 | -L | 2 | 0 1 | 99 |
| 2 | | N | 11.22 | 02 | -2 | 75 | 45 | 36 | 19 | 99 | 87 | 00 | 00 | 00 | +L | A-1 | 18 | -L | 2 | 0 6 | 67 |
| 3 | | N | 00.50 | 00 | +0 | 99 | 30 | 34 | 46 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 7 | 99 |
| 4 | | N | 07.00 | 00 | +0 | 90 | 67 | 21 | 82 | 99 | 85 | 00 | 00 | 00 | -L | D#1 | 02 | -E | 0 | 0 7 | 78 |
| 5 | | N | 03.00 | 00 | +0 | 99 | 64 | 00 | 08 | 85 | 48 | 00 | 00 | 00 | -L | A#2 | 25 | -L | 0 | 0 4 | 99 |
| 6 | | F | 2570. | 41 | +0 | 99 | 82 | 75 | 00 | 99 | 87 | 00 | 00 | 30 | -L | D 3 | 00 | -L | 0 | 0 1 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 16-2  PLUCKED  2

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| PLUK  16.2 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 17 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 34 | 10 | 09 | 00 | OFF | 1 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 | C | F | 1.000 | 00 | +0 | 99 | 80 | 25 | 45 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 0 | 99 |
| 2 | | N | 01.00 | 00 | -1 | 82 | 85 | 57 | 99 | 99 | 76 | 30 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 1 | 99 |
| 3 | | N | 02.00 | 00 | -7 | 99 | 90 | 50 | 99 | 99 | 74 | 37 | 66 | 00 | -L | D#4 | 00 | -L | 4 | 0 1 | 99 |
| 4 | | F | 8318. | 92 | +0 | 99 | 88 | 94 | 99 | 99 | 68 | 51 | 99 | 00 | -L | A-1 | 00 | -L | 2 | 0 5 | 99 |
| 5 | | N | 00.50 | 00 | +0 | 99 | 60 | 46 | 19 | 99 | 93 | 76 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 7 | 99 |
| 6 | | N | 00.50 | 01 | -2 | 94 | 35 | 32 | 17 | 99 | 51 | 99 | 99 | 10 | +L | E 4 | 00 | -L | 2 | 0 7 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 16-3  TOUCH RISE  1

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 06 | 99 | 99 | 99 | 50 | 50 | 50 | 30 |

| | |
|---|---|
| T.RSE 16.3 | |

| ALGO | 05 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.072 | 03 | +0 | 67 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 2 | | N 00.50 | 00 | -7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 91 |
| 3 | C | F 1.738 | 24 | +0 | 52 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 4 | | N 01.00 | 00 | -7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 83 |
| 5 | C | F 3.090 | 49 | +0 | 42 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 6 | | N 01.50 | 50 | -7 | 90 | 99 | 80 | 99 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  ON  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 03  00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 16-4  TOUCH RISE  2

TX816 VOICE DATA

| ALGORITHM 5 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 06 | 99 | 99 | 99 | 50 | 50 | 50 | 20 |

| | |
|---|---|
| T.RSE 16.4 | |

| ALGO | 05 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.000 | 00 | +0 | 67 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 2 | | N 00.50 | 00 | +4 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 6 | 91 |
| 3 | C | F 1.175 | 07 | +0 | 52 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 4 | | N 01.00 | 00 | +2 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 6 | 83 |
| 5 | C | F 1.072 | 03 | +0 | 42 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 6 | | N 01.50 | 50 | +4 | 90 | 99 | 80 | 99 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 6 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  ON  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 04  00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 16-5 SIDE TO SIDE 1 MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SD.SD.16.5 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 03 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|----|---|---|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.50 | 50 | +0 | 25 | 99 | 48 | 99 | 40 | 99 | 60 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 3 | | N | 01.50 | 50 | +0 | 97 | 99 | 35 | 99 | 99 | 99 | 77 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 81 |
| 4 | C | N | 02.00 | 00 | +0 | 16 | 99 | 55 | 99 | 40 | 99 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 5 | | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 76 |
| 6 | | N | 02.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 69 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 12 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 16-6 SIDE TO SIDE 2 MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SD.SD.16.6 | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 03 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|----|---|---|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +0 | 99 | 99 | 46 | 99 | 99 | 99 | 35 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 57 |
| 3 | | N | 01.00 | 00 | +0 | 84 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 87 |
| 4 | C | N | 02.00 | 00 | +0 | 21 | 99 | 43 | 99 | 40 | 99 | 53 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 5 | | F | 1.072 | 03 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 61 |
| 6 | | N | 02.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 86 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 12 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 16-7 THINBLE FC

TX816 VOICE DATA

| ALGORITHM 4 | < NAME > |
|---|---|
| | THBL 16.7 |

| ALGO | 04 |
|---|---|
| MID C | C 1 |
| F.B | 0 |
| SYNC | ON |

### < PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 84 | 95 | 60 | 50 | 50 | 50 | 50 |

### < LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| S/H | 07 | 73 | 00 | 59 | ON | 7 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 02.00 | 00 | +0 | 99 | 28 | 37 | 24 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 6 | 99 |
| 2 | | N | 10.00 | 00 | +0 | 99 | 30 | 34 | 31 | 99 | 78 | 11 | 00 | 00 | -L | D#4 | 00 | -L | 3 | 2 | 3 | 89 |
| 3 | | N | 31.00 | 00 | +0 | 99 | 42 | 53 | 31 | 99 | 99 | 00 | 00 | 99 | -L | F#2 | 00 | -L | 0 | 1 | 2 | 54 |
| 4 | C | N | 02.00 | 00 | -6 | 99 | 28 | 37 | 34 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 4 | 99 |
| 5 | | N | 10.00 | 00 | -6 | 99 | 25 | 24 | 11 | 99 | 82 | 38 | 00 | 00 | -L | D#4 | 00 | -L | 3 | 1 | 3 | 82 |
| 6 | | N | 31.00 | 00 | -7 | 99 | 99 | 54 | 32 | 99 | 99 | 00 | 00 | 00 | -L | F#2 | 25 | -L | 0 | 1 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 12 00 |

### < MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 16-8 HI BELL FC

TX816 VOICE DATA

| ALGORITHM 4 | < NAME > |
|---|---|
| | HIBEL 16.8 |

| ALGO | 04 |
|---|---|
| MID C | C 4 |
| F.B | 0 |
| SYNC | ON |

### < PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 84 | 95 | 60 | 50 | 50 | 50 | 50 |

### < LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 25 | 46 | 00 | 39 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 02.00 | 00 | +0 | 99 | 28 | 37 | 24 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 5 | 99 |
| 2 | | N | 10.00 | 00 | +0 | 99 | 30 | 34 | 31 | 99 | 78 | 11 | 00 | 00 | -L | F#4 | 39 | -L | 3 | 2 | 4 | 89 |
| 3 | | N | 31.00 | 00 | +0 | 99 | 86 | 92 | 31 | 99 | 99 | 00 | 00 | 99 | -L | F#2 | 00 | -L | 0 | 1 | 2 | 54 |
| 4 | C | N | 02.00 | 00 | -6 | 99 | 28 | 37 | 34 | 99 | 85 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 4 | 99 |
| 5 | | N | 10.00 | 00 | -6 | 99 | 25 | 24 | 11 | 99 | 82 | 38 | 00 | 00 | -L | D#4 | 49 | -L | 3 | 1 | 3 | 82 |
| 6 | | N | 31.00 | 00 | -7 | 99 | 99 | 54 | 32 | 99 | 99 | 00 | 00 | 00 | -L | F#2 | 25 | -L | 0 | 1 | 1 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 12 00 |

### < MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-1 ACOUSTIC PIANO 1

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| | < NAME > |
|---|---|
| | A.PNO 17.1 |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| ALGO | 11 |
|---|---|
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SQU | 35 | 00 | 00 | 00 | ON | 0 |

| OP | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +0 | 88 | 28 | 27 | 50 | 99 | 90 | 00 | 00 | 99 | +L | A#3 | 00 | -L | 2 | 0 | 3 | 95 |
| 2 | N | 01.00 | 00 | +2 | 88 | 92 | 71 | 63 | 99 | 67 | 91 | 90 | 12 | +L | C 3 | 20 | -L | 2 | 0 | 1 | 90 |
| 3 | N | 06.00 | 00 | +6 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | D 0 | 99 | -E | 2 | 0 | 6 | 79 |
| 4 C | F | 1.000 | 00 | +4 | 88 | 60 | 15 | 28 | 99 | 94 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 4 | 0 | 3 | 99 |
| 5 | F | 100.0 | 00 | +5 | 77 | 70 | 72 | 34 | 48 | 96 | 00 | 00 | 00 | -L | F#5 | 00 | -L | 0 | 0 | 4 | 95 |
| 6 | N | 01.00 | 00 | +0 | 95 | 20 | 49 | 39 | 92 | 52 | 00 | 00 | 05 | +L | A 3 | 10 | -L | 4 | 0 | 1 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-2 ACOUSTIC PIANO 2

TX816 VOICE DATA

| ALGORITHM 1 |
|---|

| | < NAME > |
|---|---|
| | A.PNO 17.2 |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| ALGO | 11 |
|---|---|
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SQU | 35 | 00 | 00 | 00 | ON | 0 |

| OP | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +0 | 88 | 28 | 27 | 50 | 99 | 90 | 00 | 00 | 99 | +L | A#3 | 00 | -L | 2 | 0 | 1 | 95 |
| 2 | N | 01.00 | 00 | +3 | 88 | 92 | 71 | 63 | 99 | 67 | 91 | 90 | 12 | +L | C 3 | 27 | -L | 3 | 0 | 2 | 90 |
| 3 | N | 05.00 | 00 | +4 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | D 0 | 99 | -E | 2 | 0 | 6 | 79 |
| 4 C | F | 1.175 | 07 | +2 | 88 | 60 | 15 | 28 | 99 | 94 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 4 | 0 | 1 | 99 |
| 5 | F | 93.33 | 97 | -1 | 77 | 70 | 72 | 34 | 48 | 96 | 00 | 00 | 00 | -L | F#5 | 00 | -L | 0 | 0 | 4 | 95 |
| 6 | N | 01.00 | 00 | -2 | 95 | 20 | 49 | 39 | 92 | 52 | 00 | 00 | 05 | +L | A 3 | 10 | -L | 4 | 0 | 1 | 81 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-3 ACOUSTIC PIANO 3

TX816 VOICE DATA



| | | | ALGORITHM |
|---|---|---|---|
| < NAME > | A.PNO 17.3 | | |
| ALGO | 16 | | |
| MID C | C 3 | | |
| F.B | 6 | | |
| SYNC | OFF | | |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 01.00 | 00 | +0 | 80 | 28 | 15 | 43 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 4 | 99 |
| 2 | | F | 109.6 | 04 | +0 | 75 | 73 | 44 | 86 | 99 | 53 | 07 | 00 | 00 | -L | C 3 | 11 | -L | 1 | 0 | 2 | 91 |
| 3 | | N | 01.00 | 00 | -1 | 77 | 72 | 10 | 37 | 99 | 99 | 00 | 83 | 00 | -L | G 3 | 14 | -L | 4 | 0 | 2 | 81 |
| 4 | | N | 03.00 | 00 | -3 | 78 | 72 | 11 | 41 | 99 | 98 | 00 | 00 | 20 | +L | G#3 | 48 | -L | 2 | 0 | 1 | 66 |
| 5 | | N | 02.00 | 00 | +0 | 78 | 72 | 14 | 50 | 99 | 96 | 00 | 00 | 25 | +L | G 3 | 30 | -L | 4 | 0 | 3 | 68 |
| 6 | | N | 24.30 | 62 | -6 | 82 | 49 | 28 | 39 | 87 | 73 | 00 | 37 | 20 | +L | F 3 | 67 | -L | 5 | 0 | 6 | 60 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-4 ACOUSTIC PIANO 4

TX816 VOICE DATA



| | | | ALGORITHM |
|---|---|---|---|
| < NAME > | A.PNO 17.4 | | |
| ALGO | 09 | | |
| MID C | C 3 | | |
| F.B | 3 | | |
| SYNC | OFF | | |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SIN | 10 | 00 | 00 | 00 | OFF | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 01.00 | 00 | -2 | 86 | 28 | 26 | 37 | 99 | 90 | 00 | 00 | 60 | -L | F#5 | 00 | -L | 3 | 0 | 5 | 99 |
| 2 | | N | 01.00 | 00 | +2 | 85 | 44 | 05 | 67 | 99 | 96 | 00 | 70 | 99 | -L | B 4 | 00 | -L | 4 | 0 | 3 | 64 |
| 3 | C | N | 01.00 | 00 | +0 | 87 | 28 | 27 | 50 | 99 | 90 | 00 | 00 | 00 | -L | C 5 | 32 | -L | 2 | 0 | 5 | 99 |
| 4 | | N | 01.00 | 00 | +0 | 79 | 13 | 22 | 26 | 99 | 00 | 00 | 00 | 00 | +L | G 2 | 10 | -L | 3 | 0 | 1 | 74 |
| 5 | | N | 01.00 | 00 | -1 | 84 | 14 | 11 | 25 | 99 | 98 | 00 | 35 | 04 | +L | C#2 | 25 | -L | 5 | 0 | 1 | 90 |
| 6 | | N | 03.00 | 00 | +1 | 99 | 11 | 15 | 73 | 99 | 94 | 70 | 97 | 07 | +L | G 2 | 41 | -L | 4 | 0 | 1 | 67 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-5 MALE VOICE 1 FC

TX816 VOICE DATA

| ALGORITHM 4 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 17.5 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 04 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | OFF | TRI | 35 | 48 | 49 | 00 | OFF | 2 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | -3 | 53 | 33 | 34 | 60 | 99 | 99 | 95 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | -5 | 42 | 34 | 41 | 74 | 85 | 88 | 99 | 34 | 00 | -L | A-1 | 18 | -L | 1 | 0 | 1 | 99 |
| 3 | | F 2716. | 44 | +0 | 21 | 53 | 22 | 75 | 56 | 99 | 99 | 00 | 00 | -L | G 3 | 00 | -L | 0 | 0 | 1 | 40 |
| 4 | C | N 03.00 | 00 | -6 | 52 | 68 | 34 | 65 | 85 | 91 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 99 |
| 5 | | N 01.01 | 01 | -2 | 50 | 38 | 57 | 99 | 47 | 82 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 78 |
| 6 | | F 4074. | 61 | +0 | 64 | 61 | 22 | 53 | 99 | 99 | 99 | 00 | 00 | -L | G 3 | 56 | -L | 0 | 0 | 0 | 39 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 17-6 MALE VOICE 2 FC

TX816 VOICE DATA

| ALGORITHM 4 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 17.6 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 04 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | OFF | TRI | 31 | 29 | 49 | 00 | OFF | 2 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | -3 | 53 | 33 | 34 | 60 | 99 | 99 | 95 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | -5 | 42 | 34 | 41 | 53 | 85 | 88 | 99 | 34 | 00 | -L | A-1 | 18 | -L | 1 | 0 | 1 | 97 |
| 3 | | F 3090. | 49 | +0 | 21 | 53 | 22 | 45 | 56 | 99 | 99 | 00 | 00 | -L | G 3 | 00 | -L | 0 | 0 | 1 | 40 |
| 4 | C | N 03.00 | 00 | -6 | 52 | 68 | 34 | 65 | 85 | 91 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 99 |
| 5 | | N 01.01 | 01 | -2 | 50 | 38 | 57 | 99 | 47 | 82 | 93 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 74 |
| 6 | | F 2884. | 46 | +0 | 64 | 61 | 22 | 53 | 99 | 99 | 99 | 00 | 00 | -L | G 3 | 56 | -L | 0 | 0 | 0 | 39 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**79**

## 17-7 TENOR VOICE 1 FC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 17.7 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 1 | | | | | | | |
| SYNC | OFF | TRI | 32 | 33 | 53 | 00 | ON | 2 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | N 02.00 | 00 | +0 | 45 | 99 | 99 | 59 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 3 | 3 | 97 |
| 2 | F | 3.090 | 49 | +0 | 39 | 00 | 41 | 83 | 92 | 92 | 48 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 1 | 83 |
| 3 | | N 01.00 | 00 | +0 | 37 | 44 | 37 | 49 | 57 | 92 | 99 | 00 | 00 | -L | A#3 | 18 | -L 0 | 0 | 2 | 71 |
| 4 | | N 03.03 | 01 | +0 | 55 | 58 | 70 | 58 | 51 | 74 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 2 | 59 |
| 5 | F | 2399. | 38 | +0 | 38 | 68 | 80 | 53 | 29 | 61 | 83 | 00 | 00 | -L | F#3 | 49 | -L 0 | 0 | 3 | 59 |
| 6 | | N 01.00 | 00 | +0 | 44 | 99 | 99 | 44 | 99 | 99 | 99 | 00 | 00 | -L | C#3 | 29 | -L 0 | 0 | 2 | 82 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 17-8 TENOR VOICE 2 FC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 17.8 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 26 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 4 | | | | | | | |
| SYNC | OFF | TRI | 35 | 00 | 26 | 00 | ON | 3 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | N 02.00 | 00 | +0 | 56 | 99 | 99 | 99 | 98 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 3 | 0 | 99 |
| 2 | C | F 3090. | 49 | +0 | 54 | 54 | 49 | 87 | 72 | 85 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 3 | 0 | 67 |
| 3 | | N 01.00 | 00 | +0 | 46 | 46 | 91 | 49 | 99 | 99 | 97 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 0 | 81 |
| 4 | C | N 01.01 | 01 | +0 | 64 | 58 | 70 | 99 | 51 | 74 | 99 | 00 | 00 | -L | A-1 | 00 | -L 0 | 3 | 0 | 99 |
| 5 | | F 2399. | 38 | +0 | 48 | 68 | 80 | 99 | 29 | 61 | 83 | 00 | 00 | -L | A-1 | 00 | -L 0 | 0 | 0 | 36 |
| 6 | | N 01.00 | 00 | +0 | 44 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | C#3 | 29 | -L 0 | 0 | 0 | 75 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 18-1  BIG TUBES  1

TX816 VOICE DATA

| ALGORITHM : | < NAME >   | < PITCH ENVELOPE > |
|---|---|---|

| < NAME >       |
|----------------|
| B.TBS 18.1     |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 67 | 95 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 05 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | OFF |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SAW- | 35 | 00 | 00 | 00 | OFF | 1 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 01.00 | 00 | +2 | 95 | 33 | 71 | 25 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 95 |
| 2 | | N | 03.50 | 75 | +3 | 98 | 12 | 71 | 28 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 78 |
| 3 | C | N | 01.00 | 00 | -5 | 95 | 33 | 71 | 25 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 4 | | N | 03.50 | 75 | -2 | 98 | 12 | 71 | 28 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 75 |
| 5 | C | N | 00.99 | 99 | +0 | 99 | 60 | 50 | 46 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 6 | | F | 117.5 | 07 | -7 | 99 | 60 | 55 | 30 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 70 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 53 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 18-2  BIG TUBES  2

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| < NAME >       |
|----------------|
| B.TBS 18.2     |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 67 | 95 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 05 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | OFF |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SAW- | 35 | 00 | 00 | 00 | OFF | 1 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 01.01 | 01 | +2 | 95 | 33 | 71 | 25 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 95 |
| 2 | | N | 03.52 | 76 | +3 | 98 | 12 | 71 | 28 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 78 |
| 3 | C | N | 01.01 | 01 | -5 | 95 | 33 | 71 | 25 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 4 | | N | 03.52 | 76 | -2 | 98 | 12 | 71 | 28 | 99 | 00 | 32 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 75 |
| 5 | C | N | 00.99 | 99 | +0 | 99 | 60 | 50 | 46 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 6 | | F | 120.2 | 08 | -7 | 99 | 60 | 55 | 30 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2· | 0 | 0 | 70 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 53 | 99 | 53 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 18-3  DREAM VOICE  1

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | DM.VC.18.3 | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | SIN | 32 | 00 | 00 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 02.00 | 00 | +4 | 15 | 20 | 20 | 30 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 0 | 99 |
| 2 | | F | 6.026 | 78 | +4 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 2 | 99 |
| 3 | C | N | 02.00 | 00 | +0 | 15 | 20 | 20 | 31 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 5 | 99 |
| 4 | | F | 5.129 | 71 | +0 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 4 | 99 |
| 5 | C | N | 02.00 | 00 | +0 | 15 | 20 | 20 | 31 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 4 | 97 |
| 6 | | F | 4.365 | 64 | +0 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 5 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | follo  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 006 | 07  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias. | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 18-4  DREAM VOICE  2

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3, | L4 |
| | DM.VC.18.4 | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 0 | | | | | | | |
| SYNC | ON | SIN | 03 | 00 | 15 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 02.02 | 01 | +4 | 15 | 20 | 20 | 31 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 0 | 99 |
| 2 | | F | 6.761 | 83 | +4 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 2 | 99 |
| 3 | C | N | 02.02 | 01 | +0 | 15 | 20 | 20 | 31 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 5 | 99 |
| 4 | | F | 7.586 | 88 | +0 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 4 | 99 |
| 5 | C | N | 02.02 | 01 | +0 | 15 | 20 | 20 | 31 | 99 | 95 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 4 | 97 |
| 6 | | F | 4.898 | 69 | +0 | 75 | 15 | 26 | 27 | 99 | 99 | 99 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 5 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | follo  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 006 | 07  00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 18.5 | 75 | 80 | 75 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 29 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 0 | SIN | 30 | 33 | 48 | 00 | OFF | 1 |
| SYNC | ON | | | | | | | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 03.00 | 00 +3 | 47 | 80 | 22 | 52 | 99 | 99 | 99 | 00 | 99 | -L | F#2 | 99 | -L | 0 | 3 | 0 | 91 |
| 2 | C | N | 05.00 | 00 -3 | 47 | 20 | 22 | 50 | 99 | 99 | 97 | 00 | 99 | -L | C 2 | 99 | -L | 0 | 3 | 0 | 67 |
| 3 | C | F | 2692.43 | +0 | 40 | 80 | 22 | 52 | 99 | 99 | 99 | 00 | 00 | -L | F#2 | 15 | -L | 0 | 3 | 0 | 78 |
| 4 | | N | 01.00 | 00 +2 | 60 | 20 | 22 | 50 | 99 | 99 | 97 | 00 | 00 | -L | F 1 | 08 | -L | 0 | 0 | 0 | 79 |
| 5 | C | N | 02.00 | 00 -3 | 48 | 80 | 22 | 54 | 99 | 99 | 99 | 00 | 18 | -L | E 3 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | N | 01.00 | 00 +3 | 99 | 80 | 22 | 30 | 99 | 99 | 99 | 00 | 00 | -L | D#2 | 62 | -L | 0 | 0 | 0 | 83 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 00 | 53 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 05 | 00 | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | VOICE 18.6 | 75 | 36 | 75 | 60 | 48 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | G 2 | | | | | | | |
| F.B | 0 | SIN | 33 | 14 | 83 | 00 | OFF | 1 |
| SYNC | ON | | | | | | | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 7079.85 | +0 | 44 | 80 | 22 | 50 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 25 | -L | 0 | 3 | 0 | 60 |
| 2 | | N | 01.00 | 00 +0 | 55 | 20 | 22 | 50 | 99 | 99 | 97 | 00 | 00 | -L | F 1 | 12 | -L | 0 | 0 | 0 | 92 |
| 3 | C | F | 3162.50 | +0 | 46 | 80 | 54 | 54 | 99 | 99 | 99 | 00 | 40 | -L | C#3 | 44 | -L | 0 | 3 | 0 | 73 |
| 4 | | N | 01.00 | 00 +0 | 66 | 80 | 22 | 47 | 99 | 99 | 99 | 00 | 00 | -L | C 1 | 20 | -L | 0 | 0 | 0 | 92 |
| 5 | C | N | 02.00 | 00 +0 | 45 | 80 | 22 | 53 | 99 | 99 | 99 | 00 | 00 | -L | G#2 | 00 | -L | 0 | 3 | 0 | 95 |
| 6 | | N | 01.00 | 00 +0 | 80 | 80 | 22 | 30 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 51 | -L | 0 | 0 | 0 | 76 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 00 | 53 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 05 | 00 | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

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## 18-7 INNER SPACE 1

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | I.SPC 18.7 | 99 | 28 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 3 | | | | | | | |
| SYNC | ON | TRI | 02 | 00 | 14 | 45 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +0 | 09 | 99 | 25 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 2 | | F | 239.9 | 38 | +7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |
| 3 | C | N | 00.50 | 00 | -7 | 09 | 99 | 22 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 4 | | F | 239.9 | 38 | -4 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |
| 5 | C | N | 00.50 | 00 | +7 | 09 | 99 | 21 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 6 | | F | 234.4 | 37 | +7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai, OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 01 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 18-8 INNER SPACE 2

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | I.SPC 18.8 | 99 | 28 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 3 | | | | | | | |
| SYNC | ON | TRI | 05 | 00 | 14 | 45 | ON | 3 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.51 | 02 | +0 | 08 | 99 | 23 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 2 | | F | 288.4 | 46 | +7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |
| 3 | C | N | 00.52 | 04 | -7 | 08 | 99 | 21 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 4 | | F | 323.6 | 51 | -4 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |
| 5 | C | N | 00.52 | 04 | +7 | 10 | 99 | 21 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 6 | | F | 363.1 | 56 | +7 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 01 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 66 | 99 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 19-1 DINGLE HI 1

**ALGORITHM 1**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| DINGL 19.1 | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 4 | | | | | | | |
| F.B | 0 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 08.00 | 00 | +0 | 99 | 88 | 47 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 2 | C | N 06.66 | 11 | +0 | 50 | 88 | 46 | 45 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 3 | C | N 06.00 | 00 | +0 | 45 | 89 | 46 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 4 | C | N 05.75 | 15 | +0 | 40 | 88 | 46 | 45 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 5 | C | N 05.45 | 09 | +0 | 37 | 88 | 48 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 6 | C | N 05.35 | 07 | +0 | 35 | 88 | 46 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C −2     HIGH:G 8

## 19-2 DINGLE HI 2

**ALGORITHM 1**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| DINGL 19.2 | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | F 3 | | | | | | | |
| F.B | 0 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 08.00 | 00 | +0 | 33 | 88 | 47 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 2 | C | N 06.66 | 11 | +0 | 32 | 88 | 46 | 45 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 3 | C | N 06.00 | 00 | +0 | 30 | 89 | 46 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 4 | C | N 05.75 | 15 | +0 | 29 | 88 | 46 | 45 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 5 | C | N 05.45 | 09 | +0 | 28 | 88 | 48 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |
| 6 | C | N 05.35 | 07 | +0 | 27 | 88 | 46 | 46 | 60 | 99 | 00 | 00 | 00 | −L | A-1 | 00 | −L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C −2     HIGH:G 8

## 19-3 ADDITIVE 1

### TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| ADTVE 19.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +0 | 25 | 30 | 20 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N | 02.00 | 00 | +0 | 23 | 30 | 22 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N | 03.00 | 00 | +0 | 21 | 30 | 24 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N | 04.00 | 00 | +0 | 19 | 30 | 26 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N | 05.00 | 00 | +0 | 17 | 30 | 28 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N | 06.00 | 00 | +0 | 15 | 30 | 30 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 00 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 19-4 ADDITIVE 2

### TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| ADTVE 19.4 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 32 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 07.00 | 00 | +0 | 15 | 30 | 30 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N | 08.00 | 00 | +0 | 14 | 30 | 31 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N | 09.00 | 00 | +0 | 13 | 30 | 32 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N | 10.00 | 00 | +0 | 12 | 30 | 33 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N | 11.00 | 00 | +0 | 11 | 30 | 34 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N | 12.00 | 00 | +0 | 10 | 30 | 35 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 00 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 19-5 ADDITIVE 3

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | ADTVE 19.5 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 32 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -7 | 25 | 30 | 20 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N 02.00 | 00 | -7 | 23 | 30 | 22 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N 03.00 | 00 | -7 | 21 | 30 | 24 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N 04.00 | 00 | -7 | 19 | 30 | 26 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N 05.00 | 00 | -7 | 17 | 30 | 28 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N 06.00 | 00 | -7 | 15 | 30 | 30 | 99 | 60 | 99 | 80 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 19-6 ADDITIVE 4

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | ADTVE 19.6 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 32 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 07.00 | 00 | +7 | 15 | 30 | 30 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N 08.00 | 00 | +7 | 14 | 30 | 31 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N 09.00 | 00 | +7 | 13 | 30 | 32 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N 10.00 | 00 | +7 | 12 | 30 | 33 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N 11.00 | 00 | +7 | 11 | 30 | 34 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N 12.00 | 00 | +7 | 10 | 30 | 35 | 99 | 60 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**87**

## 19-7 DINGLE LOW 1

TX816 VOICE DATA

**ALGORITHM :**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DINGL 19.7 | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 32 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 08.00 | 00 | +0 | 26 | 88 | 47 | 46 | 63 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N | 06.66 | 11 | +0 | 25 | 88 | 46 | 45 | 60 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N | 06.00 | 00 | +0 | 24 | 89 | 46 | 46 | 60 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N | 05.75 | 15 | +0 | 23 | 88 | 46 | 45 | 59 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N | 05.45 | 09 | +0 | 22 | 88 | 48 | 46 | 60 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N | 05.35 | 07 | +0 | 21 | 88 | 46 | 46 | 59 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 19-8 DINGLE LOW 2

TX816 VOICE DATA

**ALGORITHM :**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DINGL 19.8 | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 32 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | D 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 08.00 | 00 | +0 | 27 | 88 | 47 | 46 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | C | N | 06.66 | 11 | +0 | 26 | 88 | 46 | 45 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N | 06.00 | 00 | +0 | 25 | 89 | 46 | 46 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | C | N | 05.75 | 15 | +0 | 24 | 88 | 46 | 45 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | C | N | 05.45 | 09 | +0 | 23 | 88 | 48 | 46 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N | 05.35 | 07 | +0 | 22 | 88 | 46 | 46 | 72 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

# 20-1  PERCUSSIVE SYNTH 1

## TX816 VOICE DATA

| ALGORITHM 8 | < NAME >  P.SYN 20.1 | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 5 | SIN | 30 | 23 | 00 | 00 | OFF | 2 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 01 | +1 | 98 | 72 | 75 | 61 | 99 | 99 | 99 | 00 | 00 | -E | F 2 | 00 | -L | 0 | 0 | 2 | 99 |
| 2 | | N | 00.50 | 01 | +4 | 74 | 28 | 29 | 61 | 99 | 71 | 71 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 2 | 92 |
| 3 | C | N | 00.50 | 01 | -1 | 98 | 72 | 75 | 61 | 99 | 89 | 99 | 00 | 00 | -E | F 2 | 00 | -L | 3 | 0 | 3 | 99 |
| 4 | | N | 00.51 | 02 | +4 | 85 | 28 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 4 | 98 |
| 5 | | N | 01.01 | 01 | +0 | 85 | 38 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 4 | 86 |
| 6 | | N | 08.08 | 01 | -3 | 85 | 16 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | C 1 | 62 | -E | 2 | 0 | 6 | 80 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

# 20-2  PERCUSSIVE SYNTH 2

## TX816 VOICE DATA

| ALGORITHM 8 | < NAME >  P.SYN 20.2 | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 5 | SIN | 30 | 23 | 00 | 00 | OFF | 2 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +1 | 98 | 72 | 75 | 61 | 99 | 99 | 99 | 00 | 00 | -E | F 2 | 00 | -L | 0 | 0 | 2 | 99 |
| 2 | | N | 00.50 | 00 | +4 | 74 | 28 | 29 | 61 | 99 | 71 | 71 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 2 | 92 |
| 3 | C | N | 00.50 | 00 | -1 | 98 | 72 | 75 | 61 | 99 | 89 | 99 | 00 | 00 | -E | F 2 | 00 | -L | 3 | 0 | 3 | 99 |
| 4 | | N | 00.50 | 00 | +4 | 85 | 28 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 4 | 98 |
| 5 | | N | 01.00 | 00 | +0 | 85 | 38 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | A 3 | 00 | -L | 2 | 0 | 4 | 86 |
| 6 | | N | 08.00 | 00 | -3 | 85 | 16 | 75 | 61 | 88 | 44 | 25 | 00 | 00 | -L | C 1 | 62 | -E | 2 | 0 | 6 | 80 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 20-3 SYNTH BRASS 1

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SYNBS 20.3 | | 20 | 88 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | OFF | | SIN | 33 | 00 | 99 | 00 | OFF | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.820 | 26 | +0 | 99 | 50 | 25 | 49 | 99 | 92 | 95 | 00 | 00 | +L | E 4 | 00 | -L | 2 | 0 | 3 | 99 |
| 2 | | N | 01.00 | 00 | -7 | 90 | 53 | 31 | 00 | 82 | 95 | 91 | 00 | 03 | +E | C 3 | 06 | +L | 1 | 0 | 0 | 82 |
| 3 | C | N | 01.00 | 00 | +0 | 99 | 36 | 35 | 49 | 80 | 96 | 95 | 00 | 98 | +L | C#5 | 60 | -L | 2 | 0 | 2 | 99 |
| 4 | | N | 01.00 | 00 | -5 | 99 | 37 | 27 | 26 | 72 | 97 | 94 | 00 | 09 | +L | B 2 | 02 | -L | 2 | 0 | 2 | 74 |
| 5 | | N | 01.01 | 01 | -7 | 99 | 67 | 38 | 00 | 86 | 92 | 92 | 00 | 46 | +L | C 2 | 00 | -L | 2 | 0 | 2 | 60 |
| 6 | | N | 01.00 | 00 | +0 | 99 | 57 | 37 | 00 | 73 | 92 | 88 | 00 | 31 | -L | C#2 | 00 | +L | 2 | 0 | 2 | 60 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 20-4 SYNTH BRASS 2

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SYNBS 20.4 | | 20 | 88 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | OFF | | SIN | 33 | 00 | 99 | 00 | OFF | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F | 1.820 | 26 | +5 | 99 | 50 | 25 | 49 | 99 | 92 | 95 | 00 | 00 | +L | E 4 | 00 | -L | 2 | 0 | 3 | 99 |
| 2 | | N | 01.00 | 00 | +5 | 90 | 53 | 31 | 00 | 82 | 95 | 91 | 00 | 03 | +E | C 3 | 06 | +L | 1 | 0 | 0 | 82 |
| 3 | C | N | 01.00 | 00 | +5 | 99 | 36 | 35 | 49 | 80 | 96 | 95 | 00 | 98 | +L | C#5 | 60 | -L | 2 | 0 | 2 | 99 |
| 4 | | N | 01.00 | 00 | +5 | 99 | 37 | 27 | 26 | 72 | 97 | 94 | 00 | 09 | +L | B 2 | 02 | -L | 2 | 0 | 2 | 74 |
| 5 | | N | 01.01 | 01 | +5 | 99 | 67 | 38 | 00 | 86 | 92 | 92 | 00 | 46 | +L | C 2 | 00 | -L | 2 | 0 | 2 | 60 |
| 6 | | N | 01.00 | 00 | +5 | 99 | 57 | 37 | 00 | 73 | 92 | 88 | 00 | 31 | -L | C#2 | 00 | +L | 2 | 0 | 2 | 60 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | | | | |
| | | | | range | 53 | 53 | 99 | 53 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | OFF |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 07 | | 00 | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 20-5 SYNTH PLUCKED

### TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| SYNPK 20.5 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 21 | 00 | 00 | 00 | ON | 2 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.000 | 00 | +0 | 99 | 33 | 14 | 38 | 99 | 80 | 00 | 00 | 99 | +L | E 3 | 00 | -L | 2 | 0 | 1 | 99 |
| 2 | | N 11.22 | 02 | -2 | 75 | 45 | 36 | 19 | 99 | 87 | 00 | 00 | 00 | +L | A-1 | 18 | -L | 2 | 0 | 6 | 67 |
| 3 | | N 00.50 | 00 | +0 | 99 | 30 | 34 | 46 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 99 |
| 4 | | N 07.00 | 00 | +0 | 90 | 67 | 21 | 82 | 99 | 85 | 00 | 00 | 00 | -L | D#1 | 02 | -E | 0 | 0 | 7 | 78 |
| 5 | | N 03.00 | 00 | +0 | 99 | 64 | 00 | 08 | 85 | 48 | 00 | 00 | 00 | -L | A#2 | 25 | -L | 0 | 0 | 4 | 99 |
| 6 | | F 2570. | 41 | +0 | 99 | 82 | 75 | 00 | 99 | 87 | 00 | 00 | 30 | -L | D 3 | 00 | -L | 0 | 0 | 1 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 005 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 20-6 HEAVY METAL 1

### TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| H.MTL 20.6 | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 07 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | ON | TRI | 44 | 00 | 00 | 00 | ON | 3 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 04.04 | 01 | -1 | 82 | 27 | 17 | 67 | 99 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 96 |
| 2 | | N 01.01 | 01 | +1 | 90 | 32 | 28 | 99 | 99 | 90 | 03 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 6 | 99 |
| 3 | C | F 1.698 | 23 | +7 | 80 | 27 | 14 | 67 | 99 | 94 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 6 | 99 |
| 4 | | N 07.07 | 01 | -2 | 69 | 21 | 14 | 67 | 99 | 46 | 00 | 00 | 00 | -L | B 2 | 32 | -L | 6 | 0 | 2 | 90 |
| 5 | | N 03.03 | 01 | +3 | 81 | 27 | 20 | 67 | 99 | 96 | 93 | 97 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 6 | 87 |
| 6 | | N 11.11 | 01 | +0 | 74 | 71 | 18 | 67 | 93 | 94 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 88 |
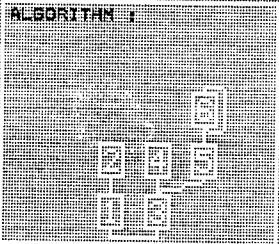
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 20-7 HEAVY METAL 2

TX816 VOICE DATA

**ALGORITHM**

| < NAME > | | | | | | | |
|---|---|---|---|---|---|---|---|
| H.MTL 20.7 | | | | | | | |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 07 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 6 | | | | | | | |
| SYNC | ON | TRI | 44 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 C | N | 04.00 | 00 | -1 | 82 | 27 | 17 | 67 | 99 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 7 | 96 |
| 2 | N | 01.00 | 00 | +1 | 90 | 32 | 28 | 99 | 99 | 90 | 03 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 6 | 99 |
| 3 C | F | 1.622 | 21 | +7 | 80 | 27 | 14 | 67 | 99 | 94 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 7 | 99 |
| 4 | N | 07.00 | 00 | -2 | 69 | 21 | 14 | 67 | 99 | 46 | 00 | 00 | 00 | -L | B 2 | 32 | -L | 6 | 0 2 | 90 |
| 5 | N | 03.00 | 00 | +3 | 81 | 27 | 20 | 67 | 99 | 96 | 93 | 97 | 00 | -L | A-1 | 00 | -L | 4 | 0 6 | 87 |
| 6 | N | 11.00 | 00 | +0 | 74 | 71 | 18 | 67 | 93 | 94 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 0 | 88 |
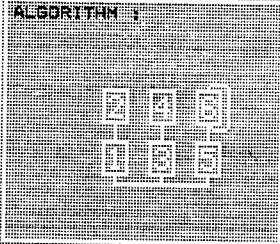
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 20-8 HARPSICHORD

TX816 VOICE DATA

**ALGORITHM**

| < NAME > | | | | | | | |
|---|---|---|---|---|---|---|---|
| HARPS 20.8 | | | | | | | |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 1 | | | | | | | |
| SYNC | ON | SQU | 35 | 00 | 00 | 00 | OFF | 0 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M V | TL |
| 1 C | N | 04.00 | 00 | +4 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 3 | 0 2 | 89 |
| 2 | N | 00.50 | 00 | +4 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | A#3 | 00 | -L | 1 | 0 0 | 99 |
| 3 C | N | 01.00 | 00 | -3 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 3 | 0 2 | 85 |
| 4 | N | 03.00 | 00 | -2 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | C#5 | 46 | -L | 1 | 0 0 | 99 |
| 5 C | N | 04.00 | 00 | -3 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A#3 | 00 | -L | 3 | 0 3 | 83 |
| 6 | N | 06.00 | 00 | -3 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | C#5 | 55 | -L | 1 | 0 0 | 87 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 07 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

TX816 VOICE DATA



| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE |
|---|---|---|

| < NAME > |
|---|
| STRGS 21.1 |

| < PITCH ENVELOPE | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | |
|---|---|
| ALGO | 17 |
| MID C | C 3 |
| F.B | 7 |
| SYNC | OFF |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 45 | 33 | 62 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 2.512 | 40 | +0 | 45 | 30 | 25 | 44 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 2 | 99 |
| 2 | | N | 01.00 | 00 | -1 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 | 0 | 82 |
| 3 | | N | 01.00 | 00 | +1 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 | 1 | 70 |
| 4 | | N | 01.00 | 00 | -1 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 89 |
| 5 | | N | 02.00 | 00 | +7 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 39 | -L | 3 | 0 | 1 | 62 |
| 6 | | N | 05.00 | 00 | +3 | 53 | 64 | 32 | 54 | 70 | 89 | 90 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 | 1 | 93 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

TX816 VOICE DATA



| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| < NAME > |
|---|
| E.VLN 21.2 |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| | |
|---|---|
| ALGO | 16 |
| MID C | C 3 |
| F.B | 6 |
| SYNC | OFF |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 42 | 33 | 51 | 00 | OFF | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | -7 | 53 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | -2 | 68 | 81 | 15 | 67 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 0 | 70 |
| 3 | | N | 01.00 | 00 | +7 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N | 03.00 | 00 | +7 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 77 |
| 5 | | N | 01.00 | 00 | +2 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 07.00 | 00 | +0 | 84 | 77 | 32 | 75 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 4 | 78 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 21-3 VIOLIN FC

TX816 VOICE DATA

ALGORITHM 1

| NAME | | PITCH ENVELOPE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| VIOLN 21.3 | | 87 | 94 | 00 | 00 | 49 | 51 | 50 | 50 |

| | | LFO | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 02 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | SIN | 35 | 00 | 11 | 00 | ON | 1 |
| F.B | 7. | | | | | | | |
| SYNC | OFF | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F | 1.259 | 10 | -1 | 41 | 25 | 22 | 45 | 99 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 3 | 2 | 99 |
| 2 | | N | 02.00 | 00 | -7 | 99 | 00 | 00 | 30 | 99 | 98 | 97 | 00 | 01 | +L | C 3 | 06 | -L | 1 | 0 | 0 | 76 |
| 3 | C | N | 02.00 | 00 | -1 | 53 | 18 | 17 | 56 | 99 | 95 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 4 | | N | 02.00 | 00 | +0 | 61 | 30 | 00 | 35 | 99 | 98 | 90 | 00 | 04 | +L | G 3 | 13 | -L | 3 | 0 | 0 | 87 |
| 5 | | N | 08.00 | 00 | +3 | 99 | 49 | 55 | 46 | 99 | 90 | 80 | 00 | 00 | -L | B 2 | 22 | -L | 2 | 0 | 2 | 77 |
| 6 | | F | 2042. | 31 | +5 | 99 | 42 | 50 | 59 | 99 | 99 | 99 | 00 | 00 | +L | F#2 | 45 | -L | 0 | 0 | 0 | 44 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 21-4 BREATH CONTROL BRASS 1 BC

TX816 VOICE DATA

ALGORITHM 1

| NAME | | PITCH ENVELOPE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| BCBRS 21.4 | | 94 | 67 | 95 | 60 | 49 | 51 | 50 | 50 |

| | | LFO | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | TRI | 31 | 00 | 00 | 00 | OFF | 1 |
| F.B | 7 | | | | | | | |
| SYNC | OFF | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +1 | 61 | 28 | 18 | 55 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | -1 | 37 | 34 | 15 | 70 | 99 | 97 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 81 |
| 3 | | N | 01.00 | 00 | +0 | 46 | 49 | 17 | 50 | 99 | 96 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 81 |
| 4 | | N | 01.00 | 00 | +3 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 82 |
| 5 | | N | 03.66 | 22 | +7 | 48 | 55 | 22 | 50 | 99 | 95 | 88 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 6 | | N | 07.00 | 00 | -5 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 21-5 BREATH CONTROL BRASS 2 BC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BCBRS 21.5 | 94 | 67 | 95 | 60 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | TRI | 31 | 00 | 00 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | N 01.00 | 00 | +7 | 61 | 28 | 18 | 55 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | +6 | 37 | 34 | 15 | 70 | 99 | 97 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 81 |
| 3 | | N 01.00 | 00 | +6 | 46 | 49 | 17 | 50 | 99 | 96 | 96 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 81 |
| 4 | | N 01.00 | 00 | +6 | 66 | 92 | 22 | 50 | 53 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 82 |
| 5 | | N 03.66 | 22 | +7 | 48 | 55 | 22 | 50 | 99 | 95 | 88 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 74 |
| 6 | | N 07.00 | 00 | +5 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 79 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 21-6 TOUCH BRASS ( C₄ ↑ )

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | T.BRS 21.6 | 99 | 67 | 95 | 60 | 48 | 52 | 50 | 52 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 34 | 45 | 05 | 00 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | | < S > | | |
| 1 | C | N 01.00 | 00 | +5 | 70 | 24 | 19 | 55 | 99 | 95 | 53 | 00 | 99 | -L | A 4 | 00 | -L | 2 | 0 | 7 | 99 |
| 2 | | N 02.10 | 05 | -7 | 99 | 12 | 22 | 50 | 85 | 00 | 00 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 7 | 45 |
| 3 | | N 01.00 | 00 | +0 | 41 | 12 | 22 | 50 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 80 |
| 4 | | N 01.00 | 00 | +0 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 4 | 74 |
| 5 | | N 06.24 | 04 | -1 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 50 |
| 6 | | N 08.47 | 21 | +0 | 42 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 3 | 99 |
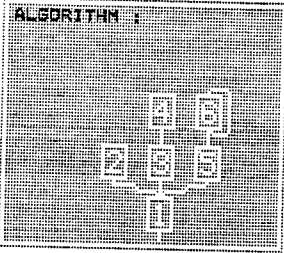
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 21-7 CELLO FC

### TX816 VOICE DATA

ALGORITHM :
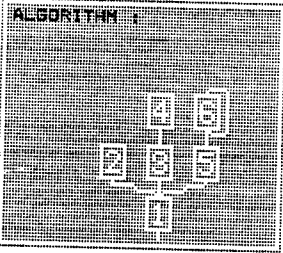
| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CELLO 21.7 | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| ALGO | 16 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 42 | 33 | 51 | 00 | OFF | 1 |

| OP | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | -7 | 53 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | -2 | 68 | 81 | 15 | 67 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 0 | 70 |
| 3 | | N | 01.00 | 00 | -1 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N | 03.00 | 00 | -1 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 77 |
| 5 | | N | 01.00 | 00 | -6 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 07.00 | 00 | +0 | 84 | 77 | 32 | 75 | 98 | 96 | 91 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 4 | 78 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 21-8 TIMPANI MW

### TX816 VOICE DATA

ALGORITHM :
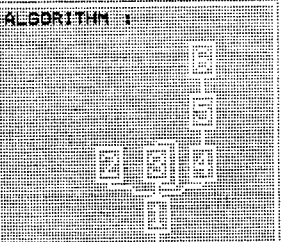
| < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TMPNI 21.8 | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | 98 | 98 | 75 | 60 | 50 | 51 | 50 | 50 |

| ALGO | 16 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 11 | 00 | 16 | 00 | OFF | 2 |

| OP | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +0 | 91 | 36 | 98 | 33 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 2 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 99 | 76 | 26 | 23 | 99 | 72 | 99 | 00 | 00 | -L | D 3 | 00 | -E | 7 | 0 | 1 | 82 |
| 3 | | N | 00.68 | 36 | -3 | 99 | 77 | 26 | 23 | 99 | 72 | 00 | 00 | 00 | -L | A-1 | 00 | -E | 3 | 0 | 2 | 93 |
| 4 | | N | 00.87 | 75 | +0 | 65 | 31 | 17 | 30 | 99 | 75 | 00 | 00 | 00 | +L | D 3 | 15 | -L | 3 | 0 | 3 | 91 |
| 5 | | N | 00.50 | 00 | +0 | 99 | 50 | 26 | 19 | 99 | 00 | 00 | 00 | 00 | +L | F 6 | 00 | -E | 0 | 0 | 1 | 78 |
| 6 | | N | 00.78 | 56 | +0 | 98 | 02 | 26 | 27 | 98 | 00 | 00 | 00 | 00 | -L | D 3 | 24 | -L | 4 | 0 | 1 | 73 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

96

## 22-1  TROMBONE  1  C₃ ↑  FC

TX816 VOICE DATA

| ALGORITHM : | < NAME >  TRBNE 22.1 | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 1 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | +7 | 57 | 24 | 19 | 60 | 99 | 86 | 92 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | +7 | 45 | 34 | 50 | 64 | 99 | 97 | 95 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 2 | 83 |
| 3 | | N 01.00 | 00 | +7 | 46 | 35 | 17 | 56 | 99 | 86 | 91 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 3 | 80 |
| 4 | | N 01.00 | 00 | +7 | 66 | 92 | 22 | 50 | 53 | 65 | 62 | 00 | 00 | −L | A−1 | 00 | −L | 0 | 0 | 0 | 93 |
| 5 | | N 03.18 | 06 | +6 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | −L | A−1 | 00 | −L | 0 | 0 | 0 | 70 |
| 6 | | N 08.47 | 21 | +6 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 7 | 0 | 0 | 84 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 006 | 02    00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C 3     HIGH:G 8

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## 22-2  TROMBONE  2  C₃ ↑  FC

TX816 VOICE DATA

| ALGORITHM : | < NAME >  TRBNE 22.2 | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 1 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | −7 | 57 | 24 | 19 | 60 | 99 | 86 | 92 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | −5 | 45 | 34 | 50 | 64 | 99 | 97 | 95 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 2 | 83 |
| 3 | | N 01.00 | 00 | −7 | 46 | 35 | 17 | 56 | 99 | 86 | 91 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 3 | 80 |
| 4 | | N 01.00 | 00 | −7 | 66 | 92 | 22 | 50 | 53 | 65 | 62 | 00 | 00 | −L | A−1 | 00 | −L | 0 | 0 | 0 | 93 |
| 5 | | N 03.18 | 06 | −7 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | −L | A−1 | 00 | −L | 0 | 0 | 0 | 70 |
| 6 | | N 08.47 | 21 | −6 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 7 | 0 | 0 | 84 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range    step |
|---|---|
| 006 | 02    00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C 3     HIGH:G 8

**97**
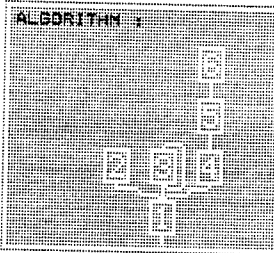
## 22-3 TOUCH TRUMPET 1 C₃↑ FC

### TX816 VOICE DATA

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | T.TRP 22.3 | | 86 | 67 | 95 | 60 | 52 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 34 | 45 | 05 | 00 | OFF | 2 |

| OP | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | -7 | 70 | 24 | 19 | 55 | 99 | 95 | 53 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 2 | | N | 02.10 | 05 | -7 | 99 | 12 | 22 | 50 | 85 | 00 | 00 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 7 | 45 |
| 3 | | N | 01.00 | 00 | -7 | 41 | 12 | 22 | 50 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 80 |
| 4 | | N | 01.00 | 00 | -7 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 5 | 74 |
| 5 | | N | 06.24 | 04 | -7 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 50 |
| 6 | | N | 08.47 | 21 | -7 | 42 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 3 | 99 |
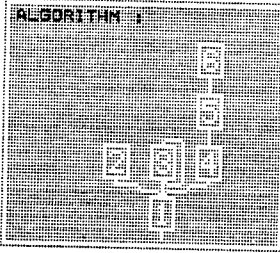
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 04 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C 3     HIGH:G 8

## 22-4 TOUCH TRUMPET 2 C₃↑ FC

### TX816 VOICE DATA

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | T.TRP 22.4 | | 86 | 67 | 95 | 60 | 52 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 34 | 38 | 05 | 00 | OFF | 2 |

| OP | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 01.00 | 00 | +7 | 70 | 24 | 19 | 55 | 99 | 95 | 53 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 7 | 99 |
| 2 | | N | 02.10 | 05 | +7 | 99 | 12 | 22 | 50 | 85 | 00 | 00 | 00 | 00 | -L | F 5 | 96 | -E | 2 | 0 | 7 | 45 |
| 3 | | N | 01.00 | 00 | +7 | 41 | 12 | 22 | 50 | 99 | 95 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 80 |
| 4 | | N | 01.00 | 00 | +7 | 66 | 76 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | C 5 | 00 | -L | 5 | 0 | 4 | 74 |
| 5 | | N | 06.24 | 04 | +7 | 48 | 12 | 22 | 50 | 99 | 61 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 50 |
| 6 | | N | 08.47 | 21 | +7 | 42 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 3 | 99 |
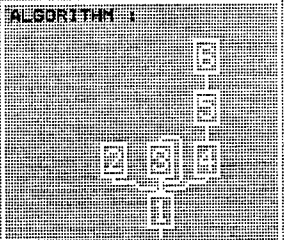
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 006 | 04 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 53 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C 3     HIGH:G 8

## 22-5  BREATH CONTROL SAX(E₃↑)BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BCSAX 22.5 | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 34 | 33 | 00 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -7 | 64 | 11 | 07 | 65 | 99 | 99 | 99 | 00 | 99 | -L | G#3 | 00 | -L | 0 | 3 | 0 | 95 |
| 2 | | N 00.50 | 00 | +0 | 95 | 00 | 25 | 54 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 53 | -L | 3 | 1 | 0 | 75 |
| 3 | | N 00.50 | 00 | +0 | 99 | 16 | 14 | 64 | 99 | 99 | 98 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 2 | 0 | 76 |
| 4 | | N 00.50 | 00 | +0 | 98 | 14 | 07 | 64 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 2 | 0 | 70 |
| 5 | | N 05.80 | 16 | +7 | 98 | 10 | 06 | 62 | 98 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 52 |
| 6 | | N 00.50 | 00 | +0 | 90 | 52 | 25 | 54 | 99 | 99 | 99 | 00 | 00 | -L | E 0 | 00 | -L | 2 | 0 | 7 | 99 |
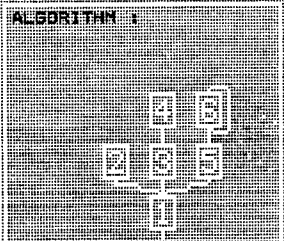
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 99 | 53 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | OFF | ON | OFF |
| 007 | 02 | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 22-6  FLUTE  (E₃↑)MW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FLUTE 22.6 | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 5 | | | | | | | |
| SYNC | OFF | TRI | 30 | 23 | 08 | 07 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -2 | 61 | 67 | 70 | 65 | 93 | 97 | 98 | 00 | 99 | -L | C 4 | 00 | -L | 0 | 2 | 1 | 98 |
| 2 | | N 01.00 | 00 | +4 | 99 | 97 | 62 | 54 | 99 | 99 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 1 | 1 | 67 |
| 3 | | N 01.00 | 00 | -3 | 53 | 38 | 75 | 61 | 88 | 44 | 27 | 00 | 00 | +L | G 3 | 00 | -L | 0 | 1 | 0 | 70 |
| 4 | | N 01.39 | 39 | +0 | 61 | 25 | 25 | 60 | 99 | 50 | 42 | 00 | 10 | -L | A 4 | 10 | -L | 3 | 0 | 0 | 49 |
| 5 | | N 02.00 | 00 | +0 | 65 | 38 | 00 | 61 | 99 | 00 | 89 | 00 | 00 | -L | D 4 | 43 | -L | 0 | 3 | 0 | 72 |
| 6 | | N 01.53 | 53 | +4 | 99 | 64 | 98 | 61 | 99 | 67 | 54 | 00 | 00 | -L | G 3 | 00 | +L | 0 | 2 | 1 | 89 |
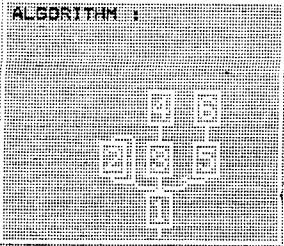
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 99 | 53 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | ON | OFF | OFF | OFF |
| 006 | 04 | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 22-7 PIZZICATO BASS (↑C₃)

TX816 VOICE DATA
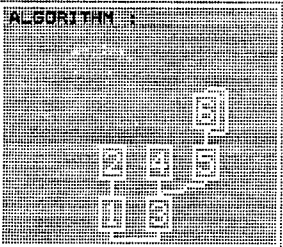


| | < NAME > | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| P.BAS 22.7 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 31 | 33 | 00 | 00 | OFF | 2 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|---|---|---|----|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 00.50 | 01 | +0 | 73 | 30 | 18 | 49 | 96 | 70 | 00 | 00 | 00 | -L | B 2 | 85 | -L | 4 | 0 | 2 | 99 |
| 2 | | N | 00.50 | 01 | +0 | 80 | 29 | 22 | 57 | 64 | 88 | 74 | 00 | 00 | -L | D 3 | 35 | -L | 1 | 0 | 2 | 87 |
| 3 | | N | 00.50 | 00 | +7 | 73 | 21 | 24 | 50 | 97 | 86 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 2 | 82 |
| 4 | | N | 01.00 | 00 | +0 | 74 | 51 | 71 | 39 | 93 | 69 | 00 | 92 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 75 |
| 5 | | N | 00.50 | 00 | +0 | 99 | 51 | 10 | 35 | 99 | 74 | 00 | 00 | 00 | -L | G 2 | 32 | -L | 4 | 0 | 2 | 74 |
| 6 | | N | 03.15 | 05 | +1 | 68 | 64 | 50 | 46 | 61 | 97 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 62 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | follo | OFF | 00 | | range | 00 | 99 | 99 | 53 |
| | | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 07 | 00 | | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 22-8 RIDE CYMBAL ↑C₃

TX816 VOICE DATA



**ALGORITHM :**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| R.CYM 22.8 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 07 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|---|------|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|---|---|---|----|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | F | 6026. | 78 | +0 | 99 | 74 | 14 | 35 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 2 | | F | 1175. | 07 | +0 | 99 | 92 | 42 | 00 | 99 | 79 | 00 | 79 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 78 |
| 3 | C | F | 6607. | 82 | +0 | 99 | 55 | 35 | 39 | 99 | 00 | 06 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 90 |
| 4 | | F | 114.8 | 06 | +0 | 99 | 99 | 77 | 00 | 32 | 90 | 60 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 99 |
| 5 | | F | 912.0 | 96 | +0 | 99 | 99 | 90 | 00 | 99 | 48 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 86 |
| 6 | | F | 3388. | 53 | +0 | 99 | 99 | 75 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 99 | 00 | 99 | 53 |
| | | | | | pitch | OFF | OFF | OFF | OFF |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 006 | 03 | 00 | | | | | | | |

NOTE LIMIT     LOW:C -2     HIGH:C 3

## 23-1 BRIGHT CELLO MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > |
|---|
| CELLO 23.1 |

| | |
|---|---|
| ALGO | 16 |
| MID C | C 2 |
| F.B | 6 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 30 | 20 | 60 | 00 | OFF | 1 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BF | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -7 | 46 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | G#2 | 08 | -L | 3 | 3 | 4 | 99 |
| 2 | | N 01.00 | 00 | -6 | 68 | 81 | 15 | 43 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 1 | 70 |
| 3 | | N 01.00 | 00 | -2 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N 03.00 | 00 | -2 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | G#3 | 38 | -L | 3 | 0 | 1 | 77 |
| 5 | | N 01.00 | 00 | -3 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 1 | 72 |
| 6 | | N 07.00 | 00 | +4 | 84 | 77 | 42 | 75 | 98 | 93 | 88 | 00 | 04 | +L | A 2 | 44 | -L | 4 | 0 | 1 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 01 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 23-2 CELLO 1 MW

TX816 VOICE DATA

ALGORITHM :

| < NAME > |
|---|
| CELLO 23.2 |

| | |
|---|---|
| ALGO | 16 |
| MID C | C 2 |
| F.B | 6 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 40 | 22 | 60 | 00 | ON | 1 |

| OP | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BF | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | +7 | 41 | 30 | 25 | 45 | 94 | 98 | 97 | 00 | 00 | -L | G#2 | 06 | -L | 3 | 3 | 2 | 99 |
| 2 | | N 01.00 | 00 | +3 | 68 | 81 | 15 | 43 | 82 | 90 | 91 | 00 | 26 | +L | G 3 | 24 | -L | 2 | 0 | 1 | 70 |
| 3 | | N 01.00 | 00 | +1 | 89 | 45 | 35 | 50 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N 04.00 | 00 | +5 | 96 | 50 | 32 | 53 | 98 | 94 | 92 | 00 | 00 | -L | G#3 | 38 | -L | 3 | 0 | 1 | 77 |
| 5 | | N 01.00 | 00 | +6 | 90 | 88 | 38 | 27 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N 05.00 | 00 | +7 | 84 | 77 | 32 | 75 | 98 | 93 | 89 | 00 | 04 | +L | A 2 | 37 | -L | 7 | 0 | 1 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 23-3 MELLOW CELLO MW

### TX816 VOICE DATA

| ALGORITHM : | | |
|---|---|---|

| < NAME > |
|---|
| CELLO 23.3 |

| ALGO | 17 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 35 | 10 | 50 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | F | 2.239 | 35 | -5 | 43 | 30 | 25 | 36 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 4 | 99 |
| 2 | | N | 01.00 | 00 | -5 | 92 | 81 | 15 | 45 | 82 | 90 | 87 | 00 | 00 | -L | D#4 | 00 | -L | 2 | 0 | 1 | 85 |
| 3 | | N | 01.00 | 00 | -5 | 54 | 45 | 35 | 41 | 94 | 97 | 99 | 00 | 25 | +L | F | 3 | 24 | -L | 2 | 0 | 1 | 54 |
| 4 | | N | 03.00 | 00 | -5 | 96 | 19 | 20 | 54 | 99 | 92 | 89 | 00 | 00 | -L | D#3 | 00 | -L | 2 | 0 | 0 | 75 |
| 5 | | N | 02.00 | 00 | -7 | 53 | 67 | 38 | 54 | 86 | 92 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 79 |
| 6 | | N | 07.00 | 00 | -7 | 53 | 64 | 32 | 54 | 70 | 81 | 78 | 00 | 10 | +L | A | 3 | 43 | -L | 2 | 0 | 1 | 83 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 03 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 23-4 CELLO 2 MW

### TX816 VOICE DATA

| ALGORITHM : | | |
|---|---|---|

| < NAME > |
|---|
| CELLO 23.4 |

| ALGO | 16 |
|---|---|
| MID C | C 2 |
| F.B | 6 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 61 | 53 | 50 | 60 | 49 | 51 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 37 | 20 | 55 | 00 | OFF | 1 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 01.00 | 00 | +5 | 48 | 30 | 25 | 41 | 94 | 98 | 97 | 00 | 00 | -L | D#3 | 05 | -L | 3 | 3 | 2 | 99 |
| 2 | | N | 01.00 | 00 | +4 | 68 | 81 | 15 | 48 | 82 | 90 | 91 | 00 | 26 | +L | G | 3 | 24 | -L | 2 | 0 | 0 | 70 |
| 3 | | N | 01.00 | 00 | +5 | 89 | 45 | 35 | 44 | 94 | 97 | 99 | 00 | 00 | +L | F | 3 | 00 | -L | 3 | 0 | 0 | 70 |
| 4 | | N | 03.00 | 00 | +3 | 96 | 50 | 32 | 48 | 98 | 94 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 77 |
| 5 | | N | 01.00 | 00 | +3 | 90 | 88 | 38 | 25 | 97 | 92 | 84 | 00 | 00 | -L | C | 3 | 00 | -L | 4 | 0 | 0 | 72 |
| 6 | | N | 07.00 | 00 | +4 | 84 | 77 | 32 | 68 | 98 | 93 | 89 | 00 | 04 | +L | D#3 | 13 | -L | 7 | 0 | 1 | 80 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 04 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | OFF | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 23-5  BREATH HORN  FC

TX816 VOICE DATA



| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | B.HRN 23.5 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 33 | 00 | 00 | 00 | OFF | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | −1 | 61 | 23 | 17 | 55 | 99 | 86 | 86 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | −1 | 42 | 34 | 15 | 70 | 85 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 1 | 72 |
| 3 | | N 01.00 | 00 | +1 | 48 | 37 | 26 | 50 | 99 | 95 | 89 | 00 | 00 | −L | A−1 | 00 | −L | 3 | 0 | 2 | 81 |
| 4 | | N 01.00 | 00 | −2 | 37 | 34 | 15 | 70 | 85 | 00 | 00 | 00 | 00 | −L | A−1 | 00 | −L | 3 | 0 | 0 | 85 |
| 5 | | N 03.00 | 00 | −1 | 78 | 55 | 22 | 50 | 98 | 61 | 47 | 00 | 00 | −L | A−1 | 00 | −L | 0 | 0 | 1 | 83 |
| 6 | | F 1000. | 00 | +0 | 50 | 48 | 20 | 70 | 99 | 00 | 00 | 00 | 20 | −L | G 3 | 00 | −L | 7 | 0 | 1 | 86 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 99 | 46 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 05 | 00 | | | | | | |

NOTE LIMIT      LOW:C −2      HIGH:G 8

## 23-6  MELLOW HORN  FC

TX816 VOICE DATA



| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | M.HRN 23.6 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 11 | 00 | ON | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | −4 | 80 | 99 | 99 | 58 | 99 | 99 | 99 | 00 | 00 | −L | A−1 | 00 | −L | 1 | 3 | 1 | 99 |
| 2 | | N 01.00 | 00 | −4 | 45 | 99 | 39 | 50 | 99 | 99 | 85 | 64 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 4 | 84 |
| 3 | | N 01.00 | 00 | −4 | 46 | 99 | 99 | 55 | 99 | 99 | 99 | 00 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 2 | 71 |
| 4 | | N 01.00 | 00 | −7 | 34 | 29 | 25 | 99 | 69 | 91 | 75 | 00 | 00 | −L | A−1 | 00 | −L | 1 | 0 | 3 | 90 |
| 5 | | N 01.00 | 00 | −3 | 46 | 51 | 33 | 57 | 80 | 99 | 82 | 16 | 00 | −L | A−1 | 00 | −L | 2 | 0 | 3 | 80 |
| 6 | | N 00.87 | 75 | −7 | 61 | 59 | 62 | 99 | 99 | 71 | 20 | 00 | 00 | −L | A−1 | 00 | −L | 1 | 0 | 5 | 74 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | range | 99 | 99 | 99 | 46 |
| | | | | pitch | OFF | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | EG-bias | OFF | ON | OFF | OFF |
| 007 | 06 | 00 | | | | | | |

NOTE LIMIT      LOW:C −2      HIGH:G 8

**103**

## 23-7 FLUTTER HORN FC

| ALGORITHM 1 | | | < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | F.HRN 23.7 | | | 94 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |
| | | | ALGO | 17 | | | | < LFO > | | | | | |
| | | | MID C | C 2 | | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| | | | F.B | 7 | | | | | | | | | |
| | | | SYNC | ON | | TRI | 37 | 00 | 00 | 00 | OFF | | 1 |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +0 | 59 | 24 | 19 | 60 | 99 | 86 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +2 | 48 | 38 | 42 | 64 | 99 | 97 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 81 |
| 3 | | N | 01.00 | 00 | -2 | 46 | 35 | 17 | 56 | 99 | 86 | 91 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 3 | 80 |
| 4 | | N | 03.21 | 07 | +0 | 50 | 63 | 53 | 78 | 88 | 70 | 03 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 85 |
| 5 | | N | 02.12 | 06 | +2 | 45 | 38 | 51 | 64 | 99 | 97 | 34 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 54 |
| 6 | | N | 07.42 | 06 | +0 | 59 | 53 | 41 | 70 | 99 | 67 | 36 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 1 | 85 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 07  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 23-8  HORN  FC
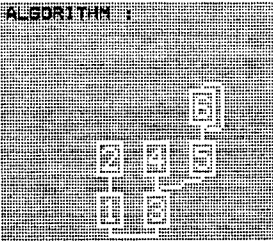
| ALGORITHM 1 | | | < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | | HORNS 23.8 | | | 94 | 67 | 95 | 60 | 53 | 50 | 50 | 50 |
| | | | ALGO | 18 | | | | < LFO > | | | | | |
| | | | MID C | C 2 | | WAVE | SPD | DLY | PMD | AMD | SYNC | | PMS |
| | | | F.B | 7 | | | | | | | | | |
| | | | SYNC | ON | | TRI | 46 | 00 | 02 | 01 | OFF | | 1 |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +0 | 57 | 24 | 19 | 60 | 99 | 66 | 72 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +7 | 45 | 34 | 50 | 64 | 99 | 97 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 83 |
| 3 | | N | 01.00 | 00 | -5 | 46 | 35 | 17 | 56 | 99 | 86 | 91 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 3 | 80 |
| 4 | | N | 01.00 | 00 | +0 | 66 | 92 | 22 | 50 | 53 | 65 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 93 |
| 5 | | N | 03.18 | 06 | -3 | 48 | 55 | 22 | 50 | 98 | 61 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 70 |
| 6 | | N | 08.47 | 21 | +0 | 77 | 56 | 20 | 70 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 0 | 84 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 08  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | OFF | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**104**

## 24-1 AFRICAN MALLETS 1

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| | | R1 R2 R3 R4 | L1 L2 L3 L4 |
|---|---|---|---|
| | AFMAL 24.1 | 99 99 99 99 | 50 50 50 50 |

| | | | < LFO > |
|---|---|---|---|
| ALGO | 07 | | |
| MID C | C 3 | WAVE SPD DLY PMD AMD SYNC PMS | |
| F.B | 7 | | |
| SYNC | ON | TRI 21 00 00 00 ON 2 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **< FREQ >** | | | | | **< ENVELOPE >** | | | | | | | | **< KBD SCALE >** | | | | **< S >** | | |
| 1 | C | N | 01.01 | 01 | +0 | 99 | 21 | 32 | 46 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 4 | 99 |
| 2 | | N | 05.00 | 00 | +0 | 99 | 30 | 46 | 50 | 99 | 80 | 00 | 00 | 00 | -L | D#4 | 46 | -L | 4 | 0 | 4 | 60 |
| 3 | C | N | 01.00 | 00 | +0 | 99 | 29 | 50 | 46 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 5 | 99 |
| 4 | | N | 07.00 | 00 | +0 | 90 | 63 | 00 | 82 | 82 | 48 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 5 | 91 |
| 5 | | N | 07.00 | 00 | +0 | 99 | 64 | 00 | 08 | 82 | 48 | 00 | 00 | 00 | -L | D#4 | 46 | -L | 0 | 0 | 2 | 97 |
| 6 | | N | 07.49 | 07 | +0 | 99 | 77 | 55 | 00 | 78 | 78 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 87 |
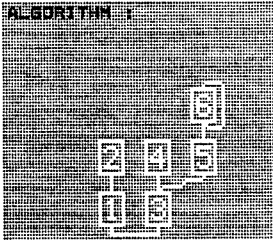
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 24-2 AFRICAN MALLETS 2

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > |
|---|---|---|

| | | R1 R2 R3 R4 | L1 L2 L3 L4 |
|---|---|---|---|
| | AFMAL 24.2 | 99 99 99 99 | 50 50 50 50 |

| | | | < LFO > |
|---|---|---|---|
| ALGO | 07 | | |
| MID C | C 3 | WAVE SPD DLY PMD AMD SYNC PMS | |
| F.B | 7 | | |
| SYNC | ON | TRI 21 00 00 00 ON 2 | |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **< FREQ >** | | | | | **< ENVELOPE >** | | | | | | | | **< KBD SCALE >** | | | | **< S >** | | |
| 1 | C | N | 01.00 | 00 | +0 | 99 | 25 | 32 | 45 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 99 |
| 2 | | N | 05.00 | 00 | -2 | 99 | 76 | 36 | 36 | 99 | 87 | 00 | 00 | 00 | -L | D#4 | 01 | -L | 4 | 0 | 3 | 79 |
| 3 | C | N | 01.00 | 00 | +0 | 99 | 25 | 27 | 46 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 5 | 99 |
| 4 | | N | 07.00 | 00 | +0 | 90 | 80 | 00 | 82 | 82 | 48 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 5 | 99 |
| 5 | | N | 10.70 | 07 | +0 | 99 | 58 | 00 | 08 | 82 | 48 | 00 | 00 | 00 | -L | G#3 | 57 | -L | 1 | 0 | 5 | 99 |
| 6 | | F | 1950. | 29 | +0 | 99 | 49 | 55 | 00 | 78 | 75 | 00 | 00 | 40 | -L | D 3 | 27 | -L | 7 | 0 | 0 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 25-1 PLANET OF ICE 1 FC

### TX816 VOICE DATA

ALGORITHM 5

| < NAME > | | ALGO | 05 |
|---|---|---|---|
| P.ICE 25.1 | | MID C | G 2 |
| | | F.B | 4 |
| | | SYNC | ON |

| | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | |
|---|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 39 | 00 | 06 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 05.00 | 00 | -7 | 35 | 18 | 22 | 35 | 99 | 80 | 43 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 15.00 | 00 | +4 | 25 | 24 | 22 | 27 | 99 | 66 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 36 |
| 3 | C | N 05.00 | 00 | -1 | 42 | 16 | 33 | 41 | 99 | 32 | 00 | 00 | 00 | -L | A-1 | 05 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 28.00 | 00 | +4 | 36 | 36 | 22 | 44 | 99 | 42 | 37 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 44 |
| 5 | C | N 05.00 | 00 | +6 | 37 | 22 | 22 | 50 | 99 | 22 | 15 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 3 | 99 |
| 6 | | N 28.00 | 75 | +0 | 36 | 25 | 49 | 31 | 99 | 68 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 62 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 25-2 PLANET OF ICE 2 FC

### TX816 VOICE DATA

ALGORITHM 5

| < NAME > | | ALGO | 05 |
|---|---|---|---|
| P.ICE 25.2 | | MID C | C 3 |
| | | F.B | 6 |
| | | SYNC | OFF |

| | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | |
|---|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 29 | 77 | 10 | 03 | OFF | 2 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 04.00 | 00 | +0 | 32 | 19 | 21 | 45 | 99 | 23 | 00 | 00 | 00 | -L | A-1 | 57 | -L | 0 | 3 | 7 | 99 |
| 2 | | N 30.00 | 00 | +1 | 35 | 34 | 21 | 41 | 99 | 29 | 24 | 00 | 00 | -L | G#0 | 10 | -E | 4 | 3 | 0 | 34 |
| 3 | C | N 04.00 | 00 | -3 | 35 | 37 | 34 | 38 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 69 | -L | 0 | 3 | 7 | 99 |
| 4 | | N 28.00 | 00 | +0 | 41 | 43 | 21 | 43 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 1 | 38 |
| 5 | C | N 04.00 | 00 | -2 | 35 | 29 | 99 | 31 | 99 | 37 | 99 | 00 | 00 | -L | G 2 | 03 | -E | 4 | 3 | 0 | 90 |
| 6 | | N 30.00 | 00 | +0 | 27 | 25 | 99 | 21 | 99 | 32 | 58 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 55 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 26-1 FLOATING CLOUDS 1 FC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FLCLD 26.1 | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 01.00 | 00 | +0 | 50 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 02 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |
| 3 | C | N | 01.00 | 00 | +0 | 50 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | F | 1.862 | 27 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |
| 5 | C | N | 01.00 | 00 | +0 | 49 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | F | 2.089 | 32 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 26-2 FLOATING CLOUDS 2 FC

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | FLCLD 26.2 | | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 01.00 | 00 | +0 | 20 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 02 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |
| 3 | C | N | 01.00 | 00 | +0 | 20 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | F | 1.862 | 27 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |
| 5 | C | N | 01.00 | 00 | +0 | 20 | 99 | 20 | 50 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | F | 2.089 | 32 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 85 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**107**

## 27-1 GLASS WIND CHIMES 1

TX816 VOICE DATA

| ALGORITHM : | < NAME >    |       | < PITCH ENVELOPE > |     |     |     |     |     |     |     |
|-------------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
|             |             |       | R1  | R2  | R3  | R4  | L1  | L2  | L3  | L4  |
|             | GL.WC.27.1  |       | 99  | 99  | 99  | 99  | 50  | 50  | 50  | 50  |

| ALGO | 05 |
|------|----|
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

| < LFO > |     |     |     |     |      |     |
|---------|-----|-----|-----|-----|------|-----|
| WAVE    | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI     | 20  | 00  | 00  | 00  | ON   | 0   |

| OP |   | < FREQ > |      |    | < ENVELOPE > |     |     |     |     |     |     |     | < KBD SCALE > |     |     |     |     |    | < S > |     |     |
|----|---|----------|------|----|--------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|----|-------|-----|-----|
|    | M | FC       | FF   | D  | R1           | R2  | R3  | R4  | L1  | L2  | L3  | L4  | LD            | LC  | BP  | RD  | RC  | R  | M     | V   | TL  |
| 1  | C | F 3467.  | 54   | +0 | 05           | 99  | 42  | 41  | 00  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 2  |   | F 9550.  | 98   | +0 | 99           | 69  | 71  | 31  | 99  | 99  | 99  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 71  |
| 3  | C | F 3467.  | 54   | +0 | 08           | 99  | 50  | 40  | 00  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 4  |   | F 9333.  | 97   | +0 | 99           | 69  | 71  | 46  | 99  | 99  | 99  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 71  |
| 5  | C | F 3467.  | 54   | +0 | 10           | 99  | 39  | 39  | 00  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 6  |   | F 9550.  | 98   | +0 | 73           | 69  | 61  | 38  | 99  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 53  |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > |       |      |
|------------|----------------|-------|------|
|            | mode           | gliss | time |
| POLY       | retai          | OFF   | 00   |

| LEVEL ATT | < P.BENDER > |      |
|-----------|--------------|------|
|           | range        | step |
| 007       | 02           | 00   |

| < MODULATION > |     |      |      |       |
|----------------|-----|------|------|-------|
|                | MOD | F.C  | B.C  | A.TCH |
| range          | 99  | 00   | 99   | 46    |
| pitch          | ON  | OFF  | OFF  | OFF   |
| amp            | OFF | OFF  | OFF  | OFF   |
| EG-bias        | OFF | OFF  | OFF  | OFF   |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 27-2 GLASS WIND CHIMES 2

TX816 VOICE DATA

| ALGORITHM : | < NAME >    |       | < PITCH ENVELOPE > |     |     |     |     |     |     |     |
|-------------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
|             |             |       | R1  | R2  | R3  | R4  | L1  | L2  | L3  | L4  |
|             | GL.WC.27.2  |       | 99  | 99  | 99  | 99  | 50  | 50  | 50  | 50  |

| ALGO | 05 |
|------|----|
| MID C | C 3 |
| F.B | 0 |
| SYNC | ON |

| < LFO > |     |     |     |     |      |     |
|---------|-----|-----|-----|-----|------|-----|
| WAVE    | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI     | 20  | 00  | 00  | 00  | ON   | 0   |

| OP |   | < FREQ > |      |    | < ENVELOPE > |     |     |     |     |     |     |     | < KBD SCALE > |     |     |     |     |    | < S > |     |     |
|----|---|----------|------|----|--------------|-----|-----|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|----|-------|-----|-----|
|    | M | FC       | FF   | D  | R1           | R2  | R3  | R4  | L1  | L2  | L3  | L4  | LD            | LC  | BP  | RD  | RC  | R  | M     | V   | TL  |
| 1  | C | F 3467.  | 54   | +0 | 20           | 99  | 47  | 48  | 00  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 2  |   | F 9550.  | 98   | +0 | 85           | 69  | 71  | 31  | 99  | 99  | 99  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 68  |
| 3  | C | F 3467.  | 54   | +0 | 99           | 61  | 50  | 29  | 99  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 4  |   | F 9333.  | 97   | +0 | 81           | 69  | 71  | 46  | 99  | 99  | 99  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 64  |
| 5  | C | F 3467.  | 54   | +0 | 14           | 99  | 42  | 42  | 00  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 1  | 3     | 0   | 99  |
| 6  |   | F 6457.  | 81   | +0 | 73           | 69  | 61  | 31  | 99  | 99  | 00  | 00  | 00            | -L  | A-1 | 00  | -L  | 0  | 3     | 0   | 65  |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > |       |      |
|------------|----------------|-------|------|
|            | mode           | gliss | time |
| POLY       | retai          | OFF   | 00   |

| LEVEL ATT | < P.BENDER > |      |
|-----------|--------------|------|
|           | range        | step |
| 007       | 02           | 00   |

| < MODULATION > |     |      |      |       |
|----------------|-----|------|------|-------|
|                | MOD | F.C  | B.C  | A.TCH |
| range          | 99  | 00   | 99   | 46    |
| pitch          | ON  | OFF  | OFF  | OFF   |
| amp            | OFF | OFF  | OFF  | OFF   |
| EG-bias        | OFF | OFF  | OFF  | OFF   |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 28-1  HARPSICHORD LOW

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | HARPS 28.1 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 1 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 2 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 04.00 | 00 | -2 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 89 |
| 2 | | N | 00.50 | 00 | +0 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 99 |
| 3 | C | N | 01.00 | 00 | +4 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 2 | 85 |
| 4 | | N | 03.00 | 00 | +0 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | C#5 | 46 | -L | 1 | 0 | 0 | 99 |
| 5 | C | N | 04.00 | 00 | +3 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 83 |
| 6 | | N | 06.00 | 00 | +0 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 98 | 00 | -L | C#5 | 55 | -L | 1 | 0 | 0 | 87 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

## 28-2  HARPSICHORD HIGH

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | HARPS 28.2 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 1 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | OFF | 2 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N | 00.50 | 00 | +0 | 95 | 28 | 23 | 50 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 4 | 87 |
| 2 | | N | 01.50 | 50 | +0 | 95 | 72 | 71 | 95 | 99 | 97 | 91 | 91 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 97 |
| 3 | C | N | 01.00 | 00 | -1 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 83 |
| 4 | | N | 03.00 | 00 | +0 | 95 | 72 | 71 | 74 | 99 | 97 | 94 | 95 | 00 | -L | C#5 | 46 | -L | 1 | 0 | 0 | 99 |
| 5 | C | N | 04.00 | 00 | -1 | 95 | 28 | 27 | 47 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 91 |
| 6 | | N | 06.00 | 00 | +0 | 95 | 72 | 71 | 99 | 99 | 97 | 91 | 95 | 00 | -L | B 3 | 55 | -L | 1 | 0 | 0 | 92 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT      LOW:C -2      HIGH:G 8

## 29-1  CLAV.  1

TX816 VOICE DATA

| ALGORITHM | < NAME > | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| | CLAV. 29.1 | | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| ALGO | 18 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 3 | | | | | | | |
| SYNC | ON | SIN | 30 | 00 | 00 | 00 | OFF | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +1 | 95 | 92 | 28 | 60 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 99 |
| 2 | | N 00.50 | 00 | -1 | 95 | 95 | 00 | 00 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 5 | 82 |
| 3 | | N 04.50 | 50 | +0 | 98 | 87 | 00 | 00 | 87 | 86 | 00 | 00 | 00 | -L | F 2 | 21 | -L | 3 | 0 | 7 | 85 |
| 4 | | N 03.00 | 00 | +0 | 95 | 92 | 28 | 60 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 81 |
| 5 | | N 04.00 | 00 | -2 | 95 | 95 | 54 | 00 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 4 | 74 |
| 6 | | N 12.00 | 00 | +0 | 98 | 87 | 00 | 00 | 87 | 86 | 00 | 00 | 00 | -L | F 2 | 21 | -L | 3 | 0 | 2 | 82 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 29-2  CLAV.  2

TX816 VOICE DATA

| ALGORITHM | < NAME > | | | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| | CLAV. 29.2 | | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| ALGO | 18 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 3 | | | | | | | |
| SYNC | ON | SIN | 30 | 00 | 00 | 00 | OFF | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | -3 | 95 | 92 | 28 | 60 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 99 |
| 2 | | N 00.50 | 00 | -1 | 95 | 95 | 00 | 00 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 5 | 82 |
| 3 | | N 10.50 | 50 | +0 | 98 | 87 | 00 | 00 | 87 | 86 | 00 | 00 | 00 | -L | F 2 | 21 | -L | 3 | 0 | 7 | 85 |
| 4 | | N 03.00 | 00 | +0 | 95 | 92 | 28 | 60 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 81 |
| 5 | | N 04.00 | 00 | -2 | 95 | 95 | 54 | 00 | 99 | 96 | 89 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 4 | 74 |
| 6 | | N 20.00 | 00 | +0 | 98 | 87 | 00 | 00 | 87 | 86 | 00 | 00 | 00 | -L | F 2 | 21 | -L | 3 | 0 | 2 | 82 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 30-1  VIBE  1

TX816 VOICE DATA

ALGORITHM :

| | < NAME > |
|---|---|
| | VIBES 30.1 |

| | |
|---|---|
| ALGO | 23 |
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| TRI | 26 | 00 | 00 | 02 | ON | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|---|---|---|----|
| | | | | | | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| | | < FREQ > | | | < ENVELOPE > | | | | | | | | | | | | | | | | |
| 1 | C | N 04.00 | 00 | +0 | 99 | 28 | 99 | 50 | 99 | 25 | 00 | 00 | 12 | -L C 3 | 12 | +L | 2 | 3 | 7 | 70 |
| 2 | C | N 01.00 | 00 | +0 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 04 | -L C 3 | 12 | +L | 2 | 3 | 5 | 99 |
| 3 | | N 03.00 | 00 | +0 | 80 | 85 | 43 | 50 | 99 | 74 | 00 | 00 | 12 | -L C 3 | 12 | +L | 4 | 3 | 4 | 78 |
| 4 | C | N 01.00 | 00 | +6 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 00 | -L A-1 | 00 | -L | 3 | 3 | 7 | 99 |
| 5 | C | N 01.00 | 00 | +7 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 00 | -L A-1 | 00 | -L | 3 | 3 | 5 | 99 |
| 6 | | N 14.00 | 00 | +0 | 99 | 48 | 99 | 50 | 99 | 32 | 00 | 00 | 12 | -L C 3 | 12 | +L | 5 | 3 | 7 | 62 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|---|-----|-----|-----|-------|
| range | 33 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | ON | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 30-2  VIBE  2

TX816 VOICE DATA

ALGORITHM :

| | < NAME > |
|---|---|
| | VIBES 30.2 |

| | |
|---|---|
| ALGO | 23 |
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

**< PITCH ENVELOPE >**

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

**< LFO >**

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 19 | 00 | 18 | 00 | ON | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|---|---|---|----|
| | | | | | | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
| | | < FREQ > | | | < ENVELOPE > | | | | | | | | | | | | | | | | |
| 1 | C | N 04.00 | 00 | +0 | 99 | 28 | 99 | 50 | 99 | 25 | 00 | 00 | 12 | -L C 3 | 12 | +L | 2 | 3 | 7 | 56 |
| 2 | C | N 01.00 | 00 | +0 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 04 | -L C 3 | 12 | +L | 2 | 3 | 5 | 99 |
| 3 | | N 03.00 | 00 | +0 | 80 | 85 | 43 | 50 | 99 | 74 | 00 | 00 | 12 | -L C 3 | 12 | +L | 4 | 3 | 6 | 78 |
| 4 | C | N 01.00 | 00 | +6 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 00 | -L A-1 | 00 | -L | 3 | 3 | 5 | 99 |
| 5 | C | N 01.00 | 00 | +7 | 80 | 85 | 24 | 50 | 99 | 90 | 00 | 00 | 00 | -L A-1 | 00 | -L | 3 | 3 | 5 | 99 |
| 6 | | N 14.00 | 00 | +0 | 99 | 48 | 99 | 50 | 99 | 32 | 00 | 00 | 12 | -L C 3 | 12 | +L | 5 | 3 | 7 | 62 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

**< MODULATION >**

| | MOD | F.C | B.C | A.TCH |
|---|-----|-----|-----|-------|
| range | 26 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | ON | OFF | OFF | OFF |
| EG-bias | ON | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 31-1 DOUBLE HARP 1

### TX816 VOICE DATA

| ALGORITHM 1 | < NAME ><br>DB.HP.31.1 | < PITCH ENVELOPE > |
|---|---|---|

| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|
| | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 14 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 27 | 41 | 01 | 00 | OFF | 3 |

| OP | | M | < FREQ ><br>FC | FF | D | R1 | R2 | R3 | < ENVELOPE ><br>R4 | L1 | L2 | L3 | L4 | LD | < KBD SCALE ><br>LC | BP | RD | RC | R | < S ><br>M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +0 | 35 | 99 | 33 | 38 | 69 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 2 | 92 |
| 2 | | N | 04.00 | 00 | +0 | 99 | 60 | 39 | 30 | 99 | 99 | 00 | 00 | 00 | -L | C#3 | 28 | -L | 2 | 0 | 3 | 82 |
| 3 | C | N | 01.00 | 00 | +5 | 83 | 34 | 00 | 37 | 99 | 00 | 00 | 00 | 00 | -L | C 1 | 28 | -E | 1 | 0 | 6 | 99 |
| 4 | | N | 02.00 | 00 | +0 | 99 | 34 | 26 | 39 | 99 | 00 | 00 | 00 | 14 | -E | A 6 | 99 | -L | 2 | 0 | 5 | 82 |
| 5 | | N | 05.00 | 00 | +0 | 99 | 56 | 26 | 42 | 99 | 00 | 00 | 00 | 00 | -L | C 1 | 56 | -E | 0 | 0 | 5 | 83 |
| 6 | | N | 06.00 | 00 | +1 | 96 | 89 | 26 | 46 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 84 |

### FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER ><br>range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 31-2 DOUBLE HARP 2

### TX816 VOICE DATA

| ALGORITHM 1 | < NAME ><br>DB.HP.31.2 | < PITCH ENVELOPE > |
|---|---|---|

| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|---|
| | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 03 |
|---|---|
| MID C | C 3 |
| F.B | 6 |
| SYNC | ON |

| < LFO > | | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 34 | 33 | 00 | 00 | ON | 1 |

| OP | | M | < FREQ ><br>FC | FF | D | R1 | R2 | R3 | < ENVELOPE ><br>R4 | L1 | L2 | L3 | L4 | LD | < KBD SCALE ><br>LC | BP | RD | RC | R | < S ><br>M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +5 | 32 | 95 | 29 | 37 | 65 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 99 |
| 2 | | N | 02.00 | 00 | -2 | 95 | 46 | 32 | 12 | 99 | 99 | 00 | 00 | 08 | +L | C#4 | 00 | -L | 3 | 0 | 3 | 76 |
| 3 | | N | 02.00 | 00 | -6 | 95 | 50 | 45 | 10 | 99 | 99 | 00 | 00 | 00 | -L | G 4 | 37 | -L | 3 | 0 | 0 | 91 |
| 4 | C | N | 01.00 | 00 | -4 | 74 | 99 | 23 | 39 | 81 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 5 | 99 |
| 5 | | N | 03.00 | 00 | +4 | 95 | 35 | 23 | 28 | 99 | 70 | 00 | 00 | 00 | -L | C#4 | 35 | -L | 4 | 0 | 4 | 79 |
| 6 | | N | 03.00 | 00 | +1 | 95 | 48 | 28 | 24 | 94 | 79 | 00 | 00 | 54 | -E | A 4 | 00 | -L | 7 | 0 | 3 | 89 |

### FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER ><br>range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 32-1 BELL TREE 1

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BLTRE 32.1 | | | | | | | | |
| | | 99 | 99 | 99 | 14 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 31 | | | | | | | |
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | S/H | 99 | 00 | 00 | 99 | ON | 7 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.62 | 62 | +0 | 99 | 63 | 41 | 20 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 99 |
| 2 | C | N 04.29 | 43 | +0 | 40 | 80 | 41 | 22 | 50 | 91 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 99 |
| 3 | C | N 05.72 | 43 | +0 | 39 | 80 | 41 | 24 | 71 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 4 | 99 |
| 4 | C | N 08.52 | 42 | +0 | 33 | 80 | 41 | 24 | 66 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 3 | 99 |
| 5 | C | F 2.570 | 41 | +0 | 99 | 80 | 41 | 17 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 2 | 98 |
| 6 | | N 02.70 | 35 | +0 | 99 | 26 | 41 | 21 | 99 | 26 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 92 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 32-2 BELL TREE 2

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BLTRE 32.2 | | | | | | | | |
| | | 99 | 99 | 99 | 14 | 49 | 51 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 31 | | | | | | | |
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | S/H | 99 | 00 | 00 | 99 | ON | 7 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.62 | 62 | -5 | 99 | 63 | 41 | 20 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 99 |
| 2 | C | N 04.29 | 43 | -5 | 40 | 80 | 41 | 22 | 50 | 91 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 99 |
| 3 | C | N 05.72 | 43 | -3 | 39 | 80 | 41 | 24 | 71 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 4 | 99 |
| 4 | C | N 08.52 | 42 | -6 | 33 | 80 | 41 | 24 | 66 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 3 | 99 |
| 5 | C | F 3.020 | 48 | -2 | 99 | 80 | 41 | 17 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 2 | 98 |
| 6 | | N 02.26 | 13 | +0 | 99 | 26 | 41 | 21 | 99 | 26 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 92 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 24-3 BREATH CONTROL OBOE BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | OBOBC 24.3 | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | ALGO | 03 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| | F.B | 4 | | | | | | | |
| | SYNC | OFF | SIN | 37 | 42 | 00 | 00 | OFF | 1 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | N | 04.00 | 00 | +0 | 60 | 40 | 20 | 70 | 95 | 95 | 85 | 00 | 00 | -L | C 4 | 00 | -L 3 | 3 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 63 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | -L | C 4 | 00 | -L 1 | 0 | 0 | 75 |
| 3 | | N | 07.00 | 00 | +0 | 97 | 80 | 80 | 70 | 99 | 90 | 80 | 00 | 00 | -L | C 4 | 00 | -L 1 | 1 | 1 | 78 |
| 4 | C | N | 04.00 | 00 | +0 | 60 | 40 | 20 | 70 | 95 | 95 | 85 | 00 | 00 | -L | C 4 | 00 | -L 3 | 2 | 0 | 80 |
| 5 | | N | 01.00 | 00 | +0 | 63 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | -L | C 4 | 00 | -L 1 | 1 | 1 | 88 |
| 6 | | F | 3981. | 60 | +0 | 97 | 80 | 80 | 70 | 99 | 90 | 80 | 00 | 00 | -L | C 4 | 00 | -L 1 | 0 | 0 | 58 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 24-4 BREATH CONTROL BASSOON BC

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BCBSN 24.4 | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | ALGO | 02 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| | F.B | 3 | | | | | | | |
| | SYNC | OFF | SIN | 37 | 42 | 00 | 00 | OFF | 1 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M | V | TL |
| 1 | C | N | 02.00 | 00 | +0 | 60 | 45 | 27 | 70 | 99 | 99 | 99 | 00 | 00 | -L | D 1 | 21 | -L 3 | 3 | 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 55 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | -L | C 4 | 00 | -L 1 | 0 | 0 | 78 |
| 3 | C | N | 02.00 | 00 | +0 | 60 | 45 | 27 | 70 | 99 | 96 | 99 | 00 | 00 | -L | D 1 | 00 | -L 3 | 3 | 0 | 99 |
| 4 | | N | 00.50 | 00 | +0 | 55 | 00 | 12 | 70 | 99 | 90 | 99 | 00 | 00 | -L | C 4 | 00 | -L 1 | 0 | 1 | 72 |
| 5 | | N | 05.00 | 00 | +0 | 97 | 80 | 80 | 70 | 99 | 90 | 70 | 00 | 00 | -L | C#2 | 00 | -L 1 | 0 | 0 | 79 |
| 6 | | N | 06.24 | 04 | +0 | 55 | 45 | 27 | 70 | 99 | 95 | 85 | 00 | 10 | +L | C#3 | 62 | -L 3 | 0 | 0 | 66 |
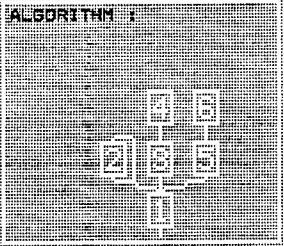
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**114**

## 24-5 BREATH CONTROL CLARINET BC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > |  |
|---|---|
| BCCLA 24.5 |  |

| | | < PITCH ENVELOPE > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| ALGO | 17 |
|---|---|
| MID C | C 3 |
| F.B | 5 |
| SYNC | ON |

| | | < LFO > | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 37 | 42 | 07 | 00 | OFF | 1 |

| OP | M | < FREQ >  FC | FF | D | < ENVELOPE >  R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE >  LD | LC | BP | RD | RC | R | < S >  M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -7 | 65 | 00 | 12 | 70 | 99 | 99 | 99 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 3 | 0 | 99 |
| 2 |  | N 02.00 | 00 | -1 | 65 | 00 | 12 | 70 | 99 | 99 | 99 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 3 | 0 | 75 |
| 3 |  | N 04.00 | 00 | +0 | 65 | 00 | 12 | 70 | 99 | 85 | 20 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 2 | 0 | 68 |
| 4 |  | N 01.39 | 39 | +0 | 85 | 62 | 12 | 70 | 99 | 46 | 25 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 2 | 0 | 68 |
| 5 |  | N 02.00 | 00 | -2 | 65 | 00 | 12 | 70 | 99 | 99 | 99 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 2 | 0 | 61 |
| 6 |  | N 10.00 | 00 | +0 | 65 | 00 | 12 | 70 | 99 | 99 | 99 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 2 | 0 | 47 |
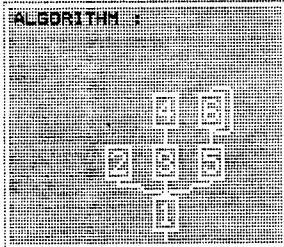
FUNCTION DATA

| POLY /MONO | < PORTAMENTO >  mode | gliss | time |
|---|---|---|---|
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER >  range | step |
|---|---|---|
| 007 | 02 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 24-6 BREATH CONTROL FLUTE BC

TX816 VOICE DATA

ALGORITHM 1

| < NAME > |  |
|---|---|
| FLUTE 24.6 |  |

| | | < PITCH ENVELOPE > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 16 |
|---|---|
| MID C | C 3 |
| F.B | 5 |
| SYNC | OFF |

| | | < LFO > | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 30 | 23 | 08 | 07 | OFF | 1 |

| OP | M | < FREQ >  FC | FF | D | < ENVELOPE >  R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE >  LD | LC | BP | RD | RC | R | < S >  M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | -2 | 61 | 67 | 70 | 65 | 93 | 97 | 98 | 00 | 00 | -L | D 3 | 00 | -L | 0 | 2 | 1 | 98 |
| 2 |  | N 01.00 | 00 | +4 | 99 | 97 | 62 | 54 | 99 | 99 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 1 | 1 | 67 |
| 3 |  | N 01.00 | 00 | -3 | 53 | 38 | 75 | 61 | 88 | 44 | 27 | 00 | 00 | +L | G 3 | 00 | -L | 0 | 1 | 0 | 70 |
| 4 |  | N 01.39 | 39 | +0 | 61 | 25 | 25 | 60 | 99 | 50 | 42 | 00 | 10 | -L | A 4 | 10 | -L | 3 | 0 | 0 | 49 |
| 5 |  | N 02.00 | 00 | +0 | 65 | 38 | 00 | 61 | 99 | 00 | 89 | 00 | 00 | -L | D 4 | 43 | -L | 0 | 3 | 0 | 72 |
| 6 |  | N 01.53 | 53 | +4 | 99 | 64 | 98 | 61 | 99 | 67 | 54 | 00 | 00 | -L | G 3 | 00 | +L | 0 | 2 | 1 | 89 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO >  mode | gliss | time |
|---|---|---|---|
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER >  range | step |
|---|---|---|
| 007 | 02 | 00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 25-3  RECORDER

### TX816 VOICE DATA



| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| RECDR 25.3 | | 62 | 83 | 80 | 84 | 41 | 50 | 50 | 45 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 06 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 4 | | | | | | | |
| F.B | 5 | | | | | | | |
| SYNC | OFF | SIN | 37 | 42 | 38 | 99 | OFF | 1 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N 01.00 | 00 | +0 | 51 | 00 | 12 | 62 | 99 | 90 | 97 | 00 | 00 | -L | C 4 | 00 | -L | 1 | 0 | 4 | 99 |
| 2 | | N 03.00 | 00 | -7 | 57 | 95 | 70 | 00 | 99 | 96 | 91 | 00 | 00 | -L | G 2 | 34 | -L | 1 | 0 | 0 | 67 |
| 3 | C | N 01.01 | 01 | +0 | 50 | 00 | 12 | 56 | 99 | 90 | 97 | 00 | 00 | -L | C 4 | 00 | -L | 1 | 0 | 5 | 99 |
| 4 | | N 02.00 | 00 | +7 | 62 | 95 | 99 | 00 | 99 | 96 | 79 | 00 | 00 | -L | A 3 | 30 | -L | 1 | 0 | 0 | 82 |
| 5 | C | N 01.00 | 00 | +0 | 48 | 00 | 12 | 59 | 99 | 90 | 97 | 00 | 00 | -L | C 4 | 00 | -L | 1 | 0 | 0 | 99 |
| 6 | | N 05.00 | 00 | +7 | 78 | 95 | 70 | 00 | 99 | 96 | 75 | 00 | 00 | -L | E 4 | 27 | -L | 1 | 1 | 0 | 81 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|---|---|---|---|
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|---|---|---|
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 25-4  NOSE TONE

### TX816 VOICE DATA



| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| NOSTN 25.4 | | 99 | 85 | 75 | 67 | 48 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | OFF | SIN | 42 | 42 | 00 | 99 | OFF | 4 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | F 2.239 | 35 | -7 | 80 | 00 | 12 | 80 | 99 | 95 | 95 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 0 | 0 | 99 |
| 2 | | N 01.00 | 00 | -1 | 48 | 44 | 18 | 43 | 99 | 96 | 95 | 00 | 00 | -L | F 2 | 00 | -L | 2 | 0 | 6 | 80 |
| 3 | | N 01.00 | 00 | +0 | 56 | 53 | 18 | 74 | 93 | 66 | 88 | 51 | 00 | -L | F 2 | 09 | -L | 3 | 0 | 6 | 88 |
| 4 | | N 01.00 | 00 | -6 | 42 | 39 | 42 | 60 | 99 | 90 | 78 | 00 | 00 | -L | A 3 | 10 | -L | 4 | 0 | 0 | 80 |
| 5 | | F 1.000 | 00 | -2 | 99 | 99 | 97 | 49 | 99 | 84 | 66 | 00 | 00 | -L | F 2 | 00 | -L | 1 | 0 | 5 | 91 |
| 6 | | N 01.00 | 00 | +0 | 99 | 70 | 60 | 40 | 99 | 99 | 97 | 00 | 00 | -L | F 2 | 21 | -L | 3 | 0 | 0 | 99 |
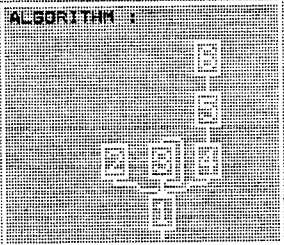
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode | gliss | time |
|---|---|---|---|
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > range | step |
|---|---|---|
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 25-5 BREATH CONTROL SAX BC

### TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | BCSAX 25.5 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 18 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | SIN | 34 | 33 | 00 | 00 | OFF | 1 |
| SYNC | OFF | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -7 | 64 | 11 | 07 | 65 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 95 |
| 2 | | N 00.50 | 00 | +0 | 95 | 00 | 25 | 54 | 99 | 99 | 99 | 00 | 00 | -L | C 3 | 53 | -L | 3 | 1 | 0 | 75 |
| 3 | | N 00.50 | 00 | +0 | 99 | 16 | 14 | 64 | 99 | 99 | 98 | 00 | 00 | -L | A 2 | 00 | -L | 0 | 2 | 0 | 76 |
| 4 | | N 00.50 | 00 | +0 | 98 | 14 | 07 | 64 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 2 | 0 | 70 |
| 5 | | N 05.80 | 16 | +7 | 98 | 10 | 06 | 62 | 98 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 52 |
| 6 | | N 00.50 | 00 | +0 | 90 | 52 | 25 | 54 | 99 | 99 | 99 | 00 | 00 | -L | E 0 | 00 | -L | 2 | 0 | 7 | 99 |
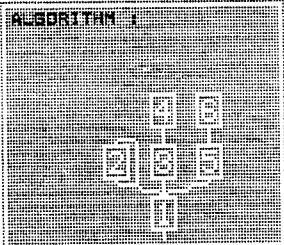
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 25-6 HUFF SYNTH

### TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | H.SYN 25.6 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.000 | 00 | +0 | 90 | 99 | 99 | 80 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 2 | | N 01.00 | 00 | +0 | 51 | 99 | 39 | 99 | 99 | 99 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 7 | 80 |
| 3 | | N 02.00 | 00 | +0 | 66 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 60 |
| 4 | | N 01.00 | 00 | +0 | 99 | 67 | 46 | 99 | 99 | 37 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 82 |
| 5 | | N 02.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 26 |
| 6 | | N 14.56 | 12 | +0 | 57 | 71 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 68 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 26-3 BANJO

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | |
|---|---|---|
| BANJO 26.3 | | |

| ALGO | 08 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

| | | < PITCH ENVELOPE > | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 06 | 00 | 01 | 00 | OFF | 3 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +0 | 95 | 62 | 28 | 58 | 99 | 60 | 00 | 00 | 57 | +L | A 2 | 14 | -L | 7 | 0 | 0 | 99 |
| 2 | | N | 01.06 | 06 | +0 | 99 | 20 | 00 | 00 | 99 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -L | 7 | 0 | 0 | 80 |
| 3 | C | N | 01.00 | 00 | +2 | 98 | 36 | 44 | 56 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 91 |
| 4 | | N | 05.00 | 00 | -2 | 99 | 30 | 20 | 54 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 78 |
| 5 | | N | 01.00 | 00 | +3 | 99 | 77 | 26 | 48 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 75 |
| 6 | | N | 15.00 | 00 | +0 | 99 | 85 | 43 | 71 | 99 | 77 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 0 | 87 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8


## 26-4 FIDDLE

TX816 VOICE DATA

ALGORITHM 1

| < NAME > | | |
|---|---|---|
| FIDLE 26.4 | | |

| ALGO | 02 |
|---|---|
| MID C | C 2 |
| F.B | 7 |
| SYNC | OFF |

| | | < PITCH ENVELOPE > | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 78 | 94 | 66 | 00 | 47 | 51 | 50 | 50 |

| | | < LFO > | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 37 | 39 | 01 | 00 | ON | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 02.00 | 00 | +0 | 47 | 22 | 18 | 54 | 97 | 97 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 99 |
| 2 | | N | 02.00 | 00 | +3 | 99 | 16 | 13 | 38 | 99 | 98 | 98 | 00 | 02 | +L | C 3 | 08 | -L | 1 | 0 | 0 | 76 |
| 3 | C | N | 02.00 | 00 | +0 | 51 | 18 | 17 | 52 | 99 | 90 | 85 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 3 | 99 |
| 4 | | N | 02.00 | 00 | +0 | 59 | 26 | 00 | 51 | 99 | 98 | 90 | 00 | 08 | +L | C 3 | 24 | -L | 3 | 0 | 0 | 82 |
| 5 | | N | 08.00 | 00 | +1 | 99 | 50 | 64 | 48 | 99 | 85 | 83 | 00 | 00 | +L | D#3 | 09 | -L | 2 | 0 | 3 | 84 |
| 6 | | F | 1479. | 17 | +5 | 85 | 42 | 50 | 53 | 99 | 99 | 99 | 00 | 14 | -L | G 3 | 00 | -L | 0 | 0 | 3 | 40 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 26-5 JAZZ GUITAR

TX816 VOICE DATA

| ALGORITHM 8 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | J.GTR 26.5 | | 75 | 80 | 75 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | SIN | 35 | 00 | 01 | 03 | OFF | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +0 | 74 | 85 | 27 | 70 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 3 | 99 |
| 2 | | N 03.00 | 00 | +0 | 91 | 25 | 39 | 60 | 99 | 86 | 00 | 00 | 00 | -L | A-1 | 65 | -L | 2 | 0 | 4 | 97 |
| 3 | C | N 01.00 | 00 | +0 | 78 | 87 | 22 | 75 | 99 | 92 | 00 | 00 | 09 | -L | G 2 | 00 | -L | 3 | 0 | 7 | 99 |
| 4 | | N 03.00 | 00 | +0 | 81 | 87 | 22 | 75 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 14 | -L | 4 | 0 | 4 | 90 |
| 5 | | N 03.00 | 00 | +0 | 81 | 87 | 22 | 75 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 15 | -L | 4 | 0 | 7 | 92 |
| 6 | | N 14.00 | 00 | +0 | 99 | 57 | 99 | 75 | 99 | 00 | 00 | 00 | 53 | -L | C 3 | 20 | -L | 0 | 0 | 5 | 75 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |
| LEVEL ATT | < P.BENDER > | | |
| | range | | step |
| 007 | 02 | | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT　　LOW:C -2　　HIGH:G 8

## 26-6 OLD SPANISH

TX816 VOICE DATA

| ALGORITHM 17 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | O.SPH 26.6 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | TRI | 45 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.047 | 02 | -7 | 88 | 27 | 17 | 35 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 2 | 99 |
| 2 | | N 01.00 | 00 | -6 | 96 | 81 | 35 | 42 | 99 | 85 | 76 | 63 | 00 | -L | D#3 | 04 | -L | 2 | 0 | 2 | 97 |
| 3 | | N 02.00 | 00 | +0 | 88 | 24 | 12 | 67 | 99 | 88 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 2 | 60 |
| 4 | | F 1779. | 25 | -2 | 81 | 48 | 60 | 40 | 99 | 46 | 37 | 00 | 00 | -L | B 2 | 07 | -L | 6 | 0 | 3 | 82 |
| 5 | | N 01.00 | 00 | +0 | 88 | 23 | 10 | 53 | 99 | 92 | 00 | 65 | 00 | -L | G#2 | 71 | -L | 5 | 0 | 4 | 80 |
| 6 | | N 04.00 | 00 | +0 | 88 | 37 | 16 | 10 | 99 | 94 | 00 | 99 | 00 | -L | G#2 | 00 | -L | 5 | 0 | 7 | 95 |
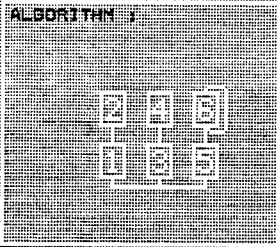
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |
| LEVEL ATT | < P.BENDER > | | |
| | range | | step |
| 007 | 02 | | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT　　LOW:C -2　　HIGH:G 8

## 27-3 MAGIC ORGAN FC

TX816 VOICE DATA

ALGORITHM:

### < NAME >

MGORG 27.3

| | |
|---|---|
| ALGO | 05 |
| MID C | C.3 |
| F.B | 7 |
| SYNC | ON |

### < PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

### < LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|---|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|----|
| 1 | C | F | 1.000 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 91 |
| 3 | C | F | 1.862 | 27 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N | 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 83 |
| 5 | C | F | 2.884 | 46 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 6 | | N | 01.50 | 50 | +0 | 90 | 99 | 80 | 99 | 99 | 99 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 80 |
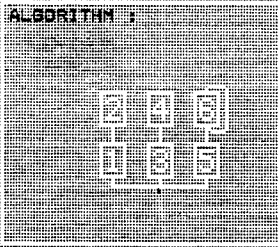
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|------------|-------------------------------|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|-----------|-------------------------|
| 007 | 02 00 |

### < MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---------|-----|-----|-----|-------|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 27-4 DREAM BELL

TX816 VOICE DATA

ALGORITHM:

### < NAME >

DMBEL 27.4

| | |
|---|---|
| ALGO | 05 |
| MID C | C 3 |
| F.B | 0 |
| SYNC | ON |

### < PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|----|----|----|----|----|----|----|----|
| 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

### < LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|------|-----|-----|-----|-----|------|-----|
| SIN | 32 | 00 | 00 | 00 | OFF | 2 |

| OP | M | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|----|---|---|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|----|
| 1 | C | N | 02.00 | 00 | +4 | 28 | 45 | 27 | 37 | 99 | 99 | 00 | 00 | 99 | -L | C 3 | 00 | -L | 2 | 0 | 4 | 99 |
| 2 | | F | 6.026 | 78 | +4 | 75 | 00 | 00 | 33 | 99 | 99 | 00 | 00 | 21 | -L | F 2 | 13 | -L | 3 | 0 | 2 | 99 |
| 3 | C | N | 02.00 | 00 | +0 | 99 | 62 | 42 | 32 | 99 | 99 | 00 | 00 | 00 | +L | F 2 | 00 | -L | 2 | 0 | 5 | 99 |
| 4 | | F | 6761. | 83 | +0 | 99 | 96 | 65 | 43 | 99 | 95 | 00 | 00 | 00 | -L | F 2 | 18 | -L | 3 | 0 | 4 | 99 |
| 5 | C | N | 02.00 | 00 | +0 | 28 | 00 | 00 | 33 | 99 | 95 | 00 | 00 | 99 | -L | B 2 | 00 | -L | 4 | 0 | 4 | 97 |
| 6 | | F | 4.365 | 64 | +0 | 32 | 00 | 10 | 21 | 99 | 99 | 00 | 00 | 27 | -L | G 3 | 00 | -L | 5 | 0 | 5 | 99 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|------------|-------------------------------|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|-----------|-------------------------|
| 007 | 02 00 |

### < MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---------|-----|-----|-----|-------|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 27-5 ELECTRIC GUITAR

### TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | STGTR 27.5 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 09 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | | | | | | | |
| SYNC | ON | TRI | 45 | 00 | 00 | 00 | ON | 2 | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 03.00 | 00 | -3 | 88 | 60 | 24 | 48 | 99 | 87 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 99 |
| 2 | | N | 01.00 | 00 | +0 | 66 | 75 | 19 | 53 | 99 | 86 | 53 | 63 | 00 | -L | D#3 | 15 | -L | 3 | 0 | 5 | 99 |
| 3 | C | N | 01.00 | 00 | +0 | 88 | 82 | 18 | 67 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 3 | 99 |
| 4 | | F | 4365. | 64 | -2 | 85 | 56 | 62 | 40 | 99 | 46 | 00 | 00 | 00 | -L | B 2 | 07 | -L | 6 | 0 | 1 | 85 |
| 5 | | N | 03.00 | 00 | +0 | 66 | 80 | 14 | 67 | 99 | 92 | 00 | 54 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 94 |
| 6 | | N | 09.00 | 00 | +0 | 88 | 34 | 14 | 67 | 99 | 80 | 00 | 99 | 00 | -L | G#2 | 35 | -L | 5 | 0 | 3 | 82 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 02  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

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## 27-6 YES BUNK

### TX816 VOICE DATA
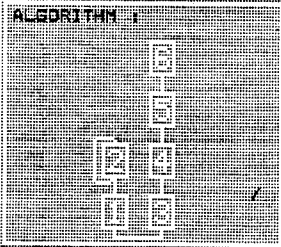
| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | Y.BNK 27.6 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 07 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS | |
| MID C | C 2 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | TRI | 44 | 00 | 00 | 00 | ON | 3 | |

| OP | | M | < FREQ > FC | FF | D | < ENVELOPE > R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | < KBD SCALE > LD | LC | BP | RD | RC | R | < S > M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 02.00 | 00 | -1 | 82 | 27 | 17 | 67 | 99 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 96 |
| 2 | | N | 01.00 | 00 | +1 | 90 | 32 | 28 | 99 | 99 | 90 | 03 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 7 | 85 |
| 3 | C | N | 03.00 | 00 | +0 | 99 | 27 | 14 | 67 | 99 | 94 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 99 |
| 4 | | N | 01.00 | 00 | -3 | 99 | 21 | 14 | 67 | 99 | 85 | 97 | 00 | 00 | -L | B 2 | 32 | -L | 6 | 0 | 7 | 94 |
| 5 | | N | 01.00 | 00 | +2 | 96 | 27 | 20 | 67 | 99 | 96 | 96 | 97 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 7 | 99 |
| 6 | | N | 13.00 | 00 | +0 | 60 | 71 | 18 | 67 | 93 | 94 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 7 | 79 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 02  00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

**121**

## 28-3 KOTO

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | KOTO 28.3 | | 85 | 98 | 75 | 00 | 49 | 50 | 50 | 50 |

| | < NAME > | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 02 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | SIN | 30 | 40 | 17 | 15 | ON | 2 |
| SYNC | ON | | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +0 | 94 | 62 | 58 | 34 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 4 | 90 |
| 2 | | N | 04.00 | 00 | +0 | 99 | 68 | 28 | 48 | 99 | 83 | 00 | 00 | 00 | -L | A-1 | 10 | -L | 6 | 0 | 2 | 99 |
| 3 | C | N | 01.00 | 00 | +0 | 94 | 64 | 30 | 33 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 4 | 99 |
| 4 | | N | 01.00 | 00 | +0 | 90 | 28 | 17 | 39 | 99 | 76 | 00 | 00 | 00 | -L | G 0 | 17 | -E | 6 | 0 | 1 | 82 |
| 5 | | N | 04.00 | 00 | +0 | 91 | 37 | 29 | 29 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 05 | -L | 6 | 0 | 1 | 83 |
| 6 | | N | 03.00 | 00 | +0 | 82 | 53 | 37 | 48 | 99 | 81 | 00 | 00 | 00 | -L | A-1 | 05 | -L | 6 | 0 | 1 | 81 |
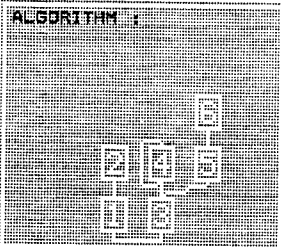
FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |
| LEVEL ATT | < P.BENDER > | | |
| | range | step | |
| 007 | 02 | 00 | |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 28-4 SITAR

TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SITAR 28.4 | | 98 | 98 | 98 | 98 | 50 | 50 | 50 | 50 |

| | < NAME > | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 0 | | TRI | 28 | 00 | 00 | 00 | OFF | 2 |
| SYNC | ON | | | | | | | | |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 20.00 | 00 | +0 | 99 | 77 | 26 | 42 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 3 | 68 |
| 2 | | N | 01.00 | 00 | +0 | 99 | 41 | 26 | 07 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 2 | 92 |
| 3 | C | N | 01.00 | 00 | +0 | 99 | 77 | 26 | 28 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 1 | 86 |
| 4 | | N | 07.00 | 00 | -3 | 99 | 41 | 42 | 07 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 2 | 85 |
| 5 | | N | 01.00 | 00 | -5 | 99 | 77 | 26 | 07 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 3 | 82 |
| 6 | | N | 09.00 | 00 | +1 | 99 | 41 | 26 | 10 | 99 | 98 | 00 | 00 | 00 | -L | C 1 | 00 | -E | 2 | 0 | 1 | 32 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |
| LEVEL ATT | < P.BENDER > | | |
| | range | step | |
| 007 | 02 | 00 | |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 28-5  HARMOSYNTH

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| H.SYN 28.5 | | | | | | | | | |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 03 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 2 | | | | | | | |
| SYNC | OFF | TRI | 41 | 00 | 00 | 00 | ON | 2 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | F 1.000 | 00 | +0 | 83 | 99 | 99 | 87 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 2 | N | 01.00 | 00 | +7 | 57 | 40 | 18 | 64 | 99 | 98 | 82 | 48 | 00 | -L | A 3 | 01 | -L | 1 | 0 | 0 | 85 |
| 3 | | F 6026.78 | | +0 | 21 | 46 | 35 | 71 | 91 | 82 | 00 | 00 | 00 | -L | C 3 | 01 | -L | 0 | 0 | 0 | 55 |
| 4 | C | F 1.000 | 00 | +0 | 92 | 99 | 15 | 82 | 99 | 99 | 75 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 92 |
| 5 | N | 01.00 | 00 | +0 | 57 | 99 | 12 | 65 | 99 | 99 | 84 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 3 | 88 |
| 6 | | F 2.188 | 34 | +0 | 99 | 44 | 01 | 71 | 99 | 99 | 75 | 00 | 00 | -L | D 3 | 12 | -L | 0 | 0 | 2 | 78 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 28-6  STEEL DRUMS

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| ST DM 28.6 | | | | | | | | | |
| | | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 15 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 25 | 00 | 10 | 99 | OFF | 1 |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 01.00 | 00 | +0 | 99 | 40 | 33 | 38 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 99 |
| 2 | | N 03.40 | 70 | +0 | 99 | 19 | 20 | 09 | 99 | 87 | 00 | 00 | 00 | +E | E 7 | 99 | -L | 2 | 0 | 0 | 67 |
| 3 | C | N 01.00 | 00 | +0 | 99 | 30 | 35 | 40 | 99 | 92 | 00 | 00 | 00 | -L | G 3 | 00 | -L | 3 | 0 | 0 | 99 |
| 4 | | N 02.00 | 00 | +7 | 68 | 11 | 50 | 21 | 91 | 82 | 42 | 00 | 00 | -L | C 5 | 99 | -L | 3 | 0 | 5 | 91 |
| 5 | | N 05.32 | 33 | +0 | 99 | 40 | 38 | 20 | 91 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 64 |
| 6 | | F 398.1 | 60 | +0 | 99 | 49 | 28 | 12 | 91 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 69 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 29-3 SMOOTH FC

### TX816 VOICE DATA

| | < NAME > | |
|---|---|---|
| | SMOOH 29.3 | |

| | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 28 |
|---|---|
| MID C | C 3 |
| F.B | 6 |
| SYNC | ON |

| | < LFO > | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 14 | 00 | 13 | 00 | ON | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.75 | 50 | -2 | 55 | 99 | 99 | 49 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 2 | | N 00.75 | 50 | -1 | 40 | 26 | 09 | 36 | 94 | 99 | 93 | 00 | 00 | -L | B 3 | 68 | -L | 0 | 0 | 0 | 86 |
| 3 | C | N 00.50 | 00 | -1 | 64 | 40 | 55 | 56 | 99 | 97 | 94 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 00.50 | 00 | -2 | 70 | 27 | 16 | 39 | 90 | 99 | 91 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 75 |
| 5 | | N 00.50 | 00 | -6 | 70 | 27 | 16 | 40 | 90 | 99 | 91 | 00 | 00 | -L | B 3 | 53 | -L | 0 | 0 | 0 | 74 |
| 6 | C | N 02.00 | 00 | -6 | 51 | 27 | 16 | 81 | 90 | 99 | 91 | 00 | 00 | -L | A-1 | 17 | -L | 0 | 3 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 29-4 PIZZICATO STRINGS

### TX816 VOICE DATA

| | < NAME > | |
|---|---|---|
| | P.STG 29.4 | |

| | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 02 |
|---|---|
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

| | < LFO > | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| SIN | 33 | 39 | 08 | 00 | OFF | 1 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | -7 | 40 | 98 | 53 | 49 | 50 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 99 |
| 2 | | N 01.00 | 00 | -7 | 98 | 48 | 17 | 50 | 98 | 00 | 00 | 00 | 00 | +L | D#4 | 00 | -L | 0 | 0 | 3 | 79 |
| 3 | C | N 01.00 | 00 | -7 | 86 | 49 | 20 | 41 | 99 | 00 | 00 | 00 | 59 | +L | F 2 | 21 | -L | 4 | 0 | 1 | 99 |
| 4 | | N 01.00 | 00 | -7 | 96 | 19 | 20 | 54 | 99 | 92 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 2 | 71 |
| 5 | | N 01.00 | 00 | -7 | 53 | 19 | 20 | 54 | 86 | 92 | 86 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 7 | 70 |
| 6 | | N 03.00 | 00 | -7 | 99 | 82 | 44 | 54 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 7 | 99 |
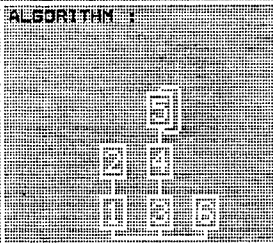
### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 29-5 PEDAL STEEL FC

TX816 VOICE DATA

| ALGORITHM : | < NAME ><br>PDSTL 29.5 | ALGO 28<br>MID C C 3<br>F.B 6<br>SYNC ON |
|---|---|---|

| | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | 92 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | < LFO > | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 34 | 00 | 00 | 00 | ON | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 1.202 | 08 | -3 | 80 | 36 | 31 | 53 | 99 | 92 | 76 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 3 | 0 | 99 |
| 2 | | N 01.00 | 00 | +0 | 27 | 72 | 22 | 52 | 52 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 1 | 83 |
| 3 | C | N 02.00 | 00 | +4 | 97 | 32 | 30 | 54 | 99 | 95 | 83 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | N 01.00 | 00 | +3 | 77 | 40 | 19 | 50 | 99 | 94 | 78 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 5 | | N 01.00 | 00 | +7 | 65 | 49 | 28 | 46 | 99 | 95 | 79 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 71 |
| 6 | C | N 03.00 | 50 | -3 | 84 | 32 | 37 | 53 | 99 | 95 | 61 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 2 | 89 |
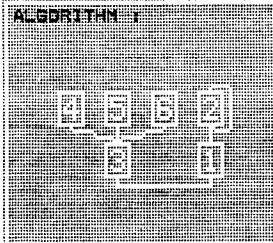
FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER ><br>range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | ON | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 29-6 GAS PIPE

TX816 VOICE DATA

| ALGORITHM : | < NAME ><br>G.PIP 29.6 | ALGO 12<br>MID C C 3<br>F.B 7<br>SYNC OFF |
|---|---|---|

| | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | 54 | 99 | 99 | 99 | 50 | 50 | 50 | 48 |

| | < LFO > | | | | | |
|---|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 02 | 00 | ON | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | +0 | 58 | 52 | 39 | 99 | 99 | 81 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 2 | 90 |
| 2 | | F 9772. | 99 | +7 | 66 | 60 | 47 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | N 01.00 | 00 | +0 | 64 | 99 | 99 | 75 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | | N 01.00 | 00 | -1 | 70 | 99 | 99 | 59 | 99 | 99 | 99 | 00 | 36 | +L | F 3 | 00 | -L | 1 | 2 | 6 | 73 |
| 5 | | N 01.57 | 57 | +2 | 82 | 60 | 99 | 99 | 99 | 00 | 00 | 00 | 96 | +L | D 3 | 00 | -L | 3 | 1 | 4 | 99 |
| 6 | | N 11.88 | 98 | -5 | 61 | 99 | 57 | 60 | 99 | 99 | 50 | 00 | 34 | -L | F#3 | 00 | -L | 1 | 0 | 0 | 49 |

FUNCTION DATA

| POLY<br>/MONO | < PORTAMENTO ><br>mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER ><br>range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 30-3  OCEAN

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | OCEAN 30.3 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 12 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | OFF | | S/H | 99 | 00 | 70 | 00 | ON | 3 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 100.0 | 00 | +0 | 99 | 42 | 36 | 23 | 99 | 91 | 81 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 3 | 6 | 76 |
| 2 | | F 1000. | 00 | +0 | 99 | 99 | 99 | 02 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | F 1.000 | 00 | +0 | 47 | 99 | 99 | 28 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 3 | 0 | 99 |
| 4 | | F 18.62 | 27 | +0 | 99 | 99 | 21 | 04 | 99 | 99 | 62 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | | F 97.72 | 99 | +0 | 99 | 99 | 99 | 02 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | | F 1202. | 08 | +0 | 27 | 35 | 30 | 00 | 99 | 76 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 76 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 30-4  SMASH!

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SMASH 30.4 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 15 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 6 | | | | | | | | |
| SYNC | ON | | S/H | 99 | 00 | 51 | 99 | OFF | 7 |

| OP | | < FREQ > | | | | < ENVELOPE > | | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | F 9120. | 96 | +0 | 99 | 91 | 55 | 50 | 99 | 95 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 1 | 0 | 99 |
| 2 | | F 1000. | 00 | +0 | 74 | 46 | 25 | 70 | 99 | 99 | 99 | 92 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | F 6026. | 78 | +0 | 99 | 51 | 60 | 53 | 99 | 88 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 4 | 99 |
| 4 | | F 3890. | 59 | +0 | 99 | 50 | 11 | 58 | 99 | 90 | 69 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 5 | | F 9120. | 96 | +0 | 99 | 58 | 69 | 99 | 99 | 95 | 19 | 99 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | | N 04.00 | 00 | +0 | 99 | 50 | 99 | 99 | 99 | 95 | 42 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 30-5 AIR FARCE

TX816 VOICE DATA

| ALGORITHM | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | A.FCE 30.5 | | | | | | | | |
| | | 00 | 00 | 00 | 99 | 71 | 50 | 00 | 99 |

| ALGO | 18 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 1 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 03.00 | 00 | +0 | 07 | 22 | 28 | 64 | 99 | 66 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 86 |
| 2 | | N | 01.09 | 09 | +0 | 50 | 00 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 69 |
| 3 | | N | 03.84 | 28 | +0 | 32 | 00 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 62 |
| 4 | | N | 00.60 | 21 | +0 | 41 | 00 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 69 |
| 5 | | F | 288.4 | 46 | +0 | 10 | 02 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 87 |
| 6 | | F | 1072. | 03 | +0 | 94 | 00 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 66 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 007 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 30-6 BIRDS

TX816 VOICE DATA

| ALGORITHM | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | BIRD 30.6 | | | | | | | | |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| ALGO | 05 | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 0 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 04.74 | 58 | +0 | 46 | 65 | 74 | 80 | 99 | 00 | 18 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | | F | 38.02 | 58 | +0 | 57 | 99 | 99 | 80 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 3 | C | F | 3020. | 48 | +0 | 57 | 62 | 74 | 99 | 99 | 00 | 71 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 4 | | F | 43.65 | 64 | +0 | 75 | 28 | 99 | 42 | 99 | 98 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 92 |
| 5 | C | N | 07.00 | 00 | +0 | 63 | 53 | 99 | 99 | 99 | 47 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | | F | 53.70 | 73 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 83 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |
| LEVEL ATT | < P.BENDER > range step |
| 006 | 02 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**127**

## 31-3 CELESTE

### TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | CLSTE 31.3 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 07 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | SQU | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M V | | TL |
| 1 | C | N | 01.00 | 00 | +3 | 99 | 33 | 50 | 40 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L 3 | 0 7 | | 99 |
| 2 | | F | 100.0 | 00 | +0 | 99 | 61 | 46 | 89 | 99 | 80 | 00 | 00 | 00 | -L | D#4 | 46 | -L 4 | 0 6 | | 93 |
| 3 | C | N | 01.00 | 00 | -4 | 99 | 31 | 50 | 38 | 99 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L 3 | 0 7 | | 99 |
| 4 | | N | 05.00 | 00 | +0 | 90 | 57 | 00 | 33 | 82 | 48 | 00 | 00 | 00 | -L | D#4 | 00 | -L 0 | 0 3 | | 75 |
| 5 | | N | 07.00 | 00 | +0 | 99 | 64 | 00 | 08 | 82 | 48 | 00 | 00 | 00 | -L | D#4 | 46 | -L 0 | 0 2 | | 55 |
| 6 | | N | 07.00 | 00 | +0 | 99 | 77 | 55 | 00 | 78 | 78 | 00 | 00 | 00 | -L | D 3 | 00 | -L 0 | 0 1 | | 87 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | | | | |
| | | | | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | | |
| | | | | | range | 99 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | | pitch | ON | OFF | OFF | ON |
| | range | | step | | amp | OFF | OFF | OFF | OFF |
| | | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 31-4 GLOCKENSPIEL

### TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | GLOCK 31.4 | | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 07 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MID C | C 4 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | | |
| SYNC | ON | SIN | 34 | 33 | 00 | 00 | OFF | 2 |

| OP | M | | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC R | M V | | TL |
| 1 | C | N | 01.00 | 00 | +0 | 95 | 47 | 30 | 47 | 99 | 92 | 00 | 00 | 00 | -L | A-1 | 00 | -L 3 | 0 1 | | 99 |
| 2 | | N | 08.00 | 00 | +0 | 99 | 46 | 35 | 00 | 80 | 75 | 67 | 00 | 00 | -L | D#4 | 00 | -L 4 | 0 2 | | 88 |
| 3 | C | N | 01.00 | 00 | +0 | 95 | 30 | 42 | 38 | 99 | 81 | 00 | 00 | 00 | -L | G 2 | 00 | -L 4 | 0 7 | | 99 |
| 4 | | F | 100.0 | 00 | +0 | 99 | 70 | 00 | 97 | 82 | 48 | 00 | 00 | 00 | -L | A 3 | 00 | -L 0 | 0 1 | | 99 |
| 5 | | N | 04.00 | 00 | +0 | 99 | 55 | 00 | 96 | 99 | 00 | 00 | 00 | 97 | -L | F 5 | 00 | -L 0 | 0 5 | | 69 |
| 6 | | N | 16.00 | 00 | +0 | 94 | 56 | 24 | 55 | 96 | 78 | 00 | 00 | 00 | -L | A-1 | 00 | -L 1 | 0 5 | | 72 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | | | | |
| | | | | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | | |
| | | | | | range | 99 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | | pitch | ON | OFF | OFF | ON |
| | range | | step | | amp | OFF | OFF | OFF | OFF |
| | | | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | GONG  31.5 | 99 | 98 | 75 | 60 | 50 | 50 | 50 | 50 |

| ALGO | 16 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | OFF | SQU | 35 | 89 | 00 | 00 | ON | 4 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R· | M | V | TL |
| 1 | C | N 00.50 | 00 | +0 | 86 | 26 | 20 | 31 | 99 | 95 | 41 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 2 | | N 00.80 | 60 | +0 | 86 | 26 | 20 | 30 | 99 | 95 | 41 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 72 |
| 3 | | N 00.74 | 49 | +0 | 18 | 30 | 15 | 39 | 87 | 87 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 74 |
| 4 | | N 03.00 | 00 | +0 | 18 | 30 | 15 | 22 | 95 | 87 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 84 |
| 5 | | N 01.40 | 40 | +0 | 18 | 30 | 15 | 18 | 95 | 87 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 82 |
| 6 | | N 01.20 | 20 | +0 | 23 | 25 | 07 | 14 | 86 | 96 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 36 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 31-6  REFEREE'S WHISTLE

### TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | RFWSL 31.6 | 38 | 67 | 95 | 60 | 39 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 2 | | | | | | | |
| SYNC | ON | S/H | 99 | 00 | 00 | 00 | ON | 6 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R· | M | V | TL |
| 1 | C | F 2089. | 32 | +0 | 60 | 39 | 28 | 49 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 90 |
| 2 | | F 33.88 | 53 | +0 | 60 | 39 | 28 | 45 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 93 |
| 3 | | F 46.77 | 67 | +0 | 60 | 39 | 08 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 66 |
| 4 | | F 6607. | 82 | +0 | 94 | 68 | 24 | 55 | 96 | 89 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 75 |
| 5 | | F 1.000 | 00 | +0 | 99 | 00 | 00 | 00 | 99 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -L | 0 | 0 | 0 | 64 |
| 6 | | F 10.00 | 00 | +0 | 94 | 56 | 24 | 55 | 96 | 78 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 78 |

## FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 99 | 99 | 46 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 32-3 TUNED BELLS

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TDBLS 32.3 | | | | | | | | |
| | | 97 | 94 | 75 | 99 | 49 | 51 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 27 | | | | | | | |
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 5 | | | | | | | |
| SYNC | OFF | SAW- | 25 | 14 | 00 | 00 | OFF | 1 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 00 | +0 | 94 | 28 | 99 | 37 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 19 | -L | 0 | 0 | 2 | 91 |
| 2 | C | N 01.18 | 18 | +0 | 94 | 28 | 99 | 29 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 00 | -L | 0 | 0 | 0 | 93 |
| 3 | | N 03.15 | 05 | +0 | 94 | 28 | 99 | 29 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 13 | -L | 0 | 0 | 0 | 85 |
| 4 | C | N 01.18 | 18 | -7 | 94 | 28 | 15 | 29 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 00 | -L | 0 | 0 | 0 | 83 |
| 5 | | F 1.000 | 00 | +7 | 94 | 28 | 99 | 21 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 12 | +L | 2 | 0 | 0 | 82 |
| 6 | | N 03.15 | 05 | +1 | 94 | 28 | 99 | 23 | 99 | 25 | 00 | 00 | 12 | -L | C#2 | 08 | -L | 0 | 0 | 0 | 87 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | |
| | | | | range | 99 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | ON |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 32-4 ANCHLUNG

TX816 VOICE DATA

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | ANLNG 32.4 | | | | | | | | |
| | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | | | | | | | |
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | | |
| SYNC | OFF | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +0 | 99 | 99 | 40 | 55 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 99 |
| 2 | | N 02.24 | 12 | +0 | 60 | 99 | 60 | 99 | 57 | 99 | 68 | 88 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 85 |
| 3 | C | N 01.00 | 00 | +0 | 35 | 99 | 46 | 49 | 50 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 99 |
| 4 | | F 1905. | 28 | +0 | 99 | 99 | 57 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 79 |
| 5 | C | N 00.50 | 00 | +0 | 35 | 99 | 43 | 60 | 40 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 6 | | N 02.04 | 02 | +0 | 64 | 99 | 65 | 99 | 99 | 99 | 00 | 57 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 84 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | | | | |
| | | | | range | 99 | 99 | 99 | 46 |
| LEVEL ATT | < P.BENDER > | | | pitch | ON | OFF | OFF | ON |
| | range | | step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 | | 00 | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 32-5 KNOCK CLAV

### TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | NCLAV 32.5 | | 84 | 95 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | SIN | 37 | 00 | 00 | 00 | OFF | 5 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | N | 01.00 | 00 | +0 | 99 | 37 | 17 | 56 | 99 | 70 | 55 | 00 | 50 | +L | C 2 | 00 | -L | 4 | 0 | 1 | 99 |
| 2 | | F | 100.0 | 00 | +0 | 99 | 66 | 17 | 23 | 99 | 61 | 45 | 00 | 00 | +L | C 3 | 14 | +L | 0 | 0 | 6 | 98 |
| 3 | | N | 03.00 | 00 | +0 | 99 | 46 | 17 | 61 | 99 | 61 | 45 | 00 | 00 | +L | C 3 | 14 | +L | 0 | 0 | 4 | 84 |
| 4 | | N | 12.00 | 00 | +0 | 99 | 38 | 17 | 43 | 99 | 70 | 62 | 00 | 00 | +L | C 3 | 14 | +L | 0 | 0 | 0 | 55 |
| 5 | | N | 01.00 | 00 | +0 | 99 | 46 | 17 | 14 | 99 | 61 | 45 | 00 | 00 | +L | C 3 | 14 | +L | 0 | 0 | 4 | 72 |
| 6 | | N | 21.00 | 00 | +0 | 99 | 46 | 17 | 99 | 99 | 61 | 45 | 95 | 04 | +L | C 3 | 55 | -L | 0 | 0 | 2 | 76 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 99 | 99 | 99 | 46 |
| | | | | | pitch | ON | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 32-6 BIG BEN

### TX816 VOICE DATA

| ALGORITHM 3 | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | B.BEN 32.6 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 06 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | | |
| F.B | 0 | | | | | | | | |
| SYNC | ON | | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | F | 109.6 | 04 | +0 | 99 | 99 | 76 | 22 | 99 | 99 | 98 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 2 | | F | 257.0 | 41 | +0 | 99 | 99 | 66 | 33 | 99 | 99 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 82 |
| 3 | C | F | 57.54 | 76 | +0 | 99 | 99 | 99 | 21 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 97 |
| 4 | | F | 112.2 | 05 | +0 | 99 | 47 | 20 | 23 | 99 | 96 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 96 |
| 5 | C | F | 138.0 | 14 | +0 | 99 | 99 | 99 | 25 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | | F | 489.8 | 69 | +0 | 93 | 53 | 28 | 21 | 86 | 85 | 52 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 95 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | | | < MODULATION > | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | mode | gliss | time | | | MOD | F.C | B.C | A.TCH |
| POLY | retai | OFF | 00 | | range | 99 | 99 | 99 | 46 |
| | | | | | pitch | ON | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > | | | | amp | OFF | OFF | OFF | OFF |
| | range | step | | | EG-bias | OFF | OFF | OFF | OFF |
| 007 | 02 | 00 | | | | | | | |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**131**

## 24-7 DOUBLE BASS

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| D.BAS 24.7 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 1 | | | | | | | |
| F.B | 6 | | | | | | | |
| SYNC | OFF | SIN | 45 | 33 | 62 | 00 | OFF | 1 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | F | 2.512 | 40 | +0 | 45 | 30 | 25 | 44 | 94 | 98 | 97 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 2 | 99 |
| 2 | | N | 01.00 | 00 | -1 | 68 | 81 | 15 | 42 | 82 | 90 | 91 | 00 | 00 | -L | D#4 | 00 | -L | 1 | 0 0 | 82 |
| 3 | | N | 01.00 | 00 | +1 | 89 | 45 | 35 | 32 | 94 | 97 | 99 | 00 | 00 | +L | F 3 | 29 | -L | 2 | 0 1 | 74 |
| 4 | | N | 01.00 | 00 | -1 | 96 | 50 | 32 | 54 | 91 | 94 | 95 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 0 | 89 |
| 5 | | N | 02.00 | 00 | +7 | 90 | 88 | 38 | 32 | 97 | 92 | 84 | 00 | 00 | -L | C 3 | 39 | -L | 3 | 0 1 | 62 |
| 6 | | N | 07.00 | 00 | +3 | 53 | 64 | 32 | 54 | 70 | 89 | 90 | 00 | 00 | +L | E 4 | 00 | -L | 6 | 0 1 | 94 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 25-7 HARMONIC BASS

TX816 VOICE DATA

ALGORITHM :

| < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| H.BAS 25.7 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 12 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 5 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | |
| 1 | C | N | 02.00 | 00 | +0 | 99 | 28 | 28 | 99 | 99 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 0 | 99 |
| 2 | | N | 00.50 | 00 | +0 | 93 | 90 | 39 | 99 | 93 | 99 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 5 | 88 |
| 3 | C | F | 1.000 | 00 | +0 | 95 | 52 | 31 | 77 | 99 | 98 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 0 | 99 |
| 4 | | N | 00.50 | 00 | -1 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 6 | 90 |
| 5 | | N | 01.00 | 00 | +0 | 99 | 35 | 17 | 99 | 99 | 95 | 90 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 1 | 60 |
| 6 | | N | 06.00 | 00 | +1 | 73 | 60 | 11 | 69 | 98 | 48 | 29 | 00 | 00 | -L | E 3 | 18 | -L | 5 | 0 3 | 60 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## TX816 VOICE DATA

**ALGORITHM 9**

| < NAME > |
|---|
| F.BAS 26.7 |

| | |
|---|---|
| ALGO | 09 |
| MID C | C 2 |
| F.B | 4 |
| SYNC | OFF |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 38 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | N | 02.00 | 00 | -3 | 88 | 50 | 19 | 65 | 99 | 87 | 71 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 99 |
| 2 | N | 00.50 | 00 | +0 | 71 | 75 | 19 | 53 | 99 | 91 | 75 | 63 | 00 | -L | D#3 | 15 | -L | 3 | 0 | 6 | 99 |
| 3 C | N | 00.50 | 00 | +0 | 88 | 82 | 18 | 67 | 99 | 94 | 54 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 99 |
| 4 | F | 3467. | 54 | -2 | 99 | 75 | 37 | 40 | 99 | 46 | 00 | 00 | 00 | -L | B 2 | 07 | -L | 2 | 0 | 7 | 79 |
| 5 | N | 00.50 | 00 | +0 | 66 | 80 | 14 | 67 | 99 | 94 | 00 | 54 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 99 |
| 6 | N | 05.00 | 00 | +0 | 88 | 30 | 14 | 67 | 99 | 80 | 00 | 99 | 00 | -L | G#2 | 35 | -L | 5 | 0 | 6 | 74 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

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## 27-7 SMOOTH BASS 1

### TX816 VOICE DATA

**ALGORITHM 12**

| < NAME > |
|---|
| S.BAS 27.7 |

| | |
|---|---|
| ALGO | 12 |
| MID C | C 2 |
| F.B | 5 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 C | F | 1.259 | 10 | +0 | 80 | 26 | 18 | 59 | 99 | 97 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 99 |
| 2 | N | 00.50 | 00 | +0 | 93 | 72 | 39 | 57 | 93 | 99 | 92 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 90 |
| 3 C | F | 1.820 | 26 | +0 | 82 | 52 | 23 | 67 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 0 | 99 |
| 4 | N | 00.50 | 00 | -1 | 99 | 99 | 99 | 66 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 90 |
| 5 | N | 01.00 | 00 | +0 | 99 | 99 | 99 | 64 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 1 | 71 |
| 6 | N | 07.50 | 25 | +1 | 64 | 54 | 40 | 72 | 81 | 83 | 00 | 00 | 00 | -L | E 3 | 18 | -L | 5 | 0 | 4 | 62 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | retai OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 02 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**133**

## 28-7 WOOD BASS

TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | WDBSS 28.7 | | 00 | 00 | 00 | 00 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 22 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | | |
| F.B | 4 | | | | | | | | |
| SYNC | ON | | SIN | 05 | 42 | 02 | 99 | OFF | 4 |

| OP | | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +4 | 99 | 30 | 80 | 67 | 99 | 00 | 00 | 00 | 72 | -E | F 2 | 08 | -E | 3 | 0 | 0 | 99 |
| 2 | | N 00.50 | 00 | +0 | 99 | 28 | 00 | 99 | 99 | 00 | 00 | 00 | 00 | -L | F 2 | 00 | -L | 7 | 0 | 6 | 99 |
| 3 | C | N 01.00 | 00 | -4 | 99 | 30 | 80 | 54 | 99 | 00 | 00 | 00 | 00 | -L | F 2 | 00 | -L | 3 | 0 | 3 | 99 |
| 4 | C | N 00.50 | 00 | +2 | 99 | 30 | 80 | 54 | 99 | 00 | 00 | 00 | 00 | -L | F 2 | 00 | -L | 3 | 0 | 0 | 99 |
| 5 | C | N 03.00 | 50 | -5 | 99 | 27 | 80 | 67 | 99 | 52 | 50 | 00 | 00 | -L | F 2 | 00 | -L | 7 | 0 | 0 | 71 |
| 6 | | N 02.00 | 00 | -7 | 99 | 49 | 00 | 99 | 99 | 00 | 00 | 00 | 00 | -L | F 2 | 00 | -L | 5 | 0 | 3 | 93 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time | < MODULATION > | | | | |
|---|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |
| POLY | retai OFF 00 | range | 99 | 00 | 00 | 53 |
| | | pitch | ON | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > range step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 00 | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

## 29-7 SMOOTH BASS 2
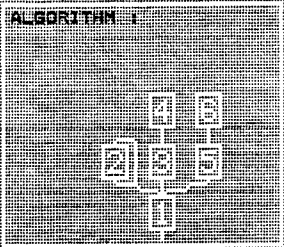
TX816 VOICE DATA

| ALGORITHM : | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | SMBSS 29.7 | | 84 | 95 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ALGO | 03 | | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 1 | | | | | | | | |
| F.B | 7 | | | | | | | | |
| SYNC | ON | | TRI | 37 | 00 | 00 | 00 | OFF | 4 |

| OP | | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 02.00 | 00 | +0 | 99 | 76 | 99 | 99 | 99 | 88 | 96 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 0 | 99 |
| 2 | | N 01.00 | 00 | +0 | 61 | 38 | 25 | 47 | 99 | 72 | 72 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 1 | 78 |
| 3 | | N 01.00 | 00 | +0 | 99 | 39 | 25 | 35 | 99 | 71 | 64 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 0 | 88 |
| 4 | C | N 01.00 | 00 | +7 | 99 | 76 | 99 | 99 | 99 | 88 | 96 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 0 | 99 |
| 5 | | N 01.00 | 00 | +7 | 99 | 39 | 25 | 71 | 99 | 71 | 64 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 2 | 81 |
| 6 | | N 01.00 | 00 | +7 | 61 | 38 | 25 | 32 | 99 | 72 | 72 | 00 | 00 | +L | C 3 | 00 | +L | 0 | 0 | 0 | 75 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time | < MODULATION > | | | | |
|---|---|---|---|---|---|---|
| | | | MOD | F.C | B.C | A.TCH |
| POLY | retai OFF 00 | range | 99 | 00 | 00 | 53 |
| | | pitch | ON | OFF | OFF | ON |
| LEVEL ATT | < P.BENDER > range step | amp | OFF | OFF | OFF | OFF |
| 007 | 02 00 | EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:C -2    HIGH:G 8

**134**

## 30-7 FUNK BASS 2

TX816 VOICE DATA
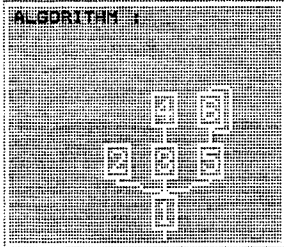
| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | F.BSS 30.7 | | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 17 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 01.00 | 00 | +2 | 99 | 64 | 33 | 71 | 99 | 86 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 99 |
| 2 | | N 03.00 | 00 | +5 | 59 | 99 | 22 | 71 | 99 | 86 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 69 |
| 3 | | N 00.50 | 00 | +0 | 59 | 99 | 99 | 71 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 0 | 75 |
| 4 | | N 09.00 | 00 | -1 | 59 | 99 | 41 | 71 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 7 | 63 |
| 5 | | N 09.00 | 00 | +0 | 99 | 99 | 38 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 7 | 70 |
| 6 | | N 06.00 | 00 | +0 | 99 | 99 | 62 | 99 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 4 | 0 | 5 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT   LOW:C -2   HIGH:G 8

## 31-7 FUNK BASS 3

TX816 VOICE DATA

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | | F.BSS 31.7 | | 94 | 67 | 95 | 60 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 16 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | TRI | 35 | 00 | 00 | 00 | OFF | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 | C | N 00.50 | 00 | +0 | 95 | 62 | 17 | 58 | 99 | 95 | 32 | 00 | 57 | +L | A 2 | 14 | -L | 7 | 0 | 0 | 99 |
| 2 | | N 00.50 | 00 | +0 | 99 | 20 | 00 | 00 | 99 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -L | 7 | 0 | 0 | 80 |
| 3 | | N 00.50 | 00 | +0 | 88 | 96 | 32 | 30 | 79 | 65 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 6 | 0 | 3 | 99 |
| 4 | | N 05.00 | 00 | +0 | 90 | 42 | 07 | 55 | 90 | 30 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 5 | 93 |
| 5 | | N 00.50 | 00 | +0 | 99 | 00 | 00 | 00 | 99 | 00 | 00 | 00 | 75 | -L | C#4 | 00 | -L | 7 | 0 | 3 | 62 |
| 6 | | N 09.00 | 00 | +0 | 94 | 56 | 24 | 55 | 93 | 28 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 7 | 85 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT   LOW:C -2   HIGH:G 8

TX816 VOICE DATA

| ALGORITHM 1 | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | S.BSS 32.7 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | |
| F.B | 0 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +0 | 65 | 99 | 99 | 53 | 99 | 99 | 99 | 00 | 00 | -L | D 3 | 60 | -L | 0 | 0 | 0 | 99 |
| 2 | N | 01.00 | 00 | +0 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 66 |
| 3 C | N | 01.00 | 00 | +0 | 65 | 99 | 99 | 53 | 99 | 99 | 99 | 00 | 00 | -L | D 3 | 60 | -L | 0 | 0 | 0 | 99 |
| 4 | N | 00.50 | 00 | +0 | 99 | 99 | 99 | 70 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 65 |
| 5 C | F | 1.000 | 00 | +0 | 65 | 99 | 99 | 53 | 99 | 99 | 99 | 00 | 00 | -L | D 3 | 60 | -L | 0 | 0 | 0 | 99 |
| 6 | N | 00.50 | 00 | +0 | 99 | 99 | 99 | 63 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 88 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 99 | 00 | 00 | 53 |
| pitch | ON | OFF | OFF | ON |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:C -2     HIGH:G 8

## 24-8 METAL BLOCKS E₃↑

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | MBLOK 24.8 | 99 | 99 | 99 | 99 | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 05 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 4 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | S/H | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.17 | 17 | +0 | 99 | 57 | 99 | 49 | 99 | 00 | 00 | 00 | 99 | -L | B 3 | 00 | -L | 2 | 0 | 2 | 99 |
| 2 | | N | 04.00 | 00 | +0 | 99 | 54 | 99 | 46 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 6 | 92 |
| 3 | C | N | 03.09 | 03 | +0 | 99 | 56 | 99 | 57 | 99 | 00 | 00 | 00 | 99 | -L | B 3 | 00 | -L | 2 | 0 | 2 | 99 |
| 4 | | F | 1779. | 25 | +0 | 99 | 56 | 99 | 46 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 6 | 94 |
| 5 | C | F | 1175. | 07 | +0 | 99 | 36 | 99 | 29 | 99 | 00 | 00 | 00 | 00 | -L | A 3 | 99 | -E | 7 | 0 | 2 | 99 |
| 6 | | N | 08.10 | 35 | +0 | 94 | 00 | 99 | 00 | 99 | 00 | 00 | 00 | 00 | -L | C 8 | 00 | -L | 2 | 0 | 5 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | follo | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 02 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 99 | 00 | 99 | 46 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | ON | OFF |

NOTE LIMIT     LOW:E 3     HIGH:G 8

---

## 25-8 SYNTH DRUMS E₃↑

TX816 VOICE DATA
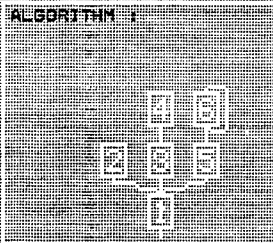
| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | SYNDM 25.8 | 99 | 87 | 99 | 01 | 50 | 00 | 00 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 28 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 2 | | | | | | | |
| F.B | 7 | | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C | N | 01.00 | 00 | +0 | 99 | 26 | 99 | 55 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 7 | 99 |
| 2 | | N | 10.00 | 00 | +0 | 99 | 77 | 91 | 40 | 99 | 82 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 3 | 99 |
| 3 | C | F | 1.000 | 00 | +0 | 99 | 53 | 99 | 53 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 7 | 96 |
| 4 | | F | 3981. | 60 | +0 | 99 | 99 | 99 | 11 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 5 | | N | 31.00 | 00 | +0 | 99 | 99 | 99 | 06 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |
| 6 | C | N | 01.00 | 00 | +0 | 99 | 26 | 99 | 64 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 7 | 0 | 7 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT     LOW:E 3     HIGH:G 8

## 26-8  TIMBALES  E₃↑

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | | |
|---|---|---|---|
| TMB   26.8 | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ALGO | 16 | | | | | | | | | | |
| MID C | C 4 | | | | | | | | | | |
| F.B | 7 | | | | | | | | | | |
| SYNC | ON | | | | | | | | | | |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 98 | 98 | 75 | 60 | 50 | 51 | 50 | 50 |

< LFO >
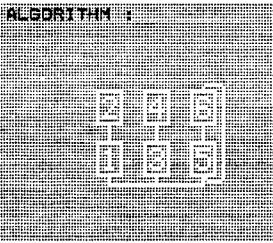
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| TRI | 11 | 00 | 16 | 00 | OFF | 2 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 00.50 | 00 | +0 | 99 | 36 | 98 | 39 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | +L | 4 | 0 | 1 | 99 |
| 2 | N | 00.50 | 00 | +3 | 99 | 74 | 20 | 20 | 99 | 00 | 00 | 00 | 00 | -L | D 3 | 00 | -E | 1 | 0 | 1 | 86 |
| 3 | N | 00.68 | 36 | -3 | 99 | 77 | 26 | 23 | 99 | 72 | 00 | 00 | 00 | -L | A-1 | 00 | -E | 3 | 0 | 0 | 85 |
| 4 | N | 00.87 | 75 | +0 | 99 | 31 | 17 | 30 | 99 | 75 | 00 | 00 | 00 | +L | F 6 | 00 | -E | 4 | 0 | 3 | 87 |
| 5 | N | 00.50 | 00 | +0 | 99 | 50 | 26 | 19 | 99 | 00 | 00 | 00 | 00 | +L | F 6 | 00 | -E | 0 | 0 | 1 | 73 |
| 6 | N | 00.78 | 56 | +0 | 98 | 02 | 26 | 27 | 98 | 00 | 00 | 00 | 00 | -L | C 0 | 00 | +E | 3 | 0 | 1 | 73 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 05  00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:E 3    HIGH:G 8

## 27-8  SKULLS  E₃↑

TX816 VOICE DATA

**ALGORITHM 1**

| < NAME > | | | |
|---|---|---|---|
| SKLS  27.8 | | | |

| | |
|---|---|
| ALGO | 06 |
| MID C | C 3 |
| F.B | 6 |
| SYNC | ON |

< PITCH ENVELOPE >

| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
|---|---|---|---|---|---|---|---|
| 98 | 98 | 98 | 98 | 53 | 51 | 50 | 50 |

< LFO >

| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
|---|---|---|---|---|---|---|
| SAW+ | 17 | 33 | 00 | 00 | ON | 0 |

| | | < FREQ > | | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | < S > | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP | M | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
| 1 C | N | 01.00 | 00 | +0 | 99 | 54 | 60 | 60 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 99 |
| 2 | N | 06.40 | 60 | +0 | 99 | 80 | 50 | 50 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 85 |
| 3 C | N | 01.00 | 00 | +0 | 99 | 54 | 71 | 71 | 99 | 72 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 99 |
| 4 | N | 01.80 | 80 | +0 | 99 | 80 | 50 | 50 | 99 | 75 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 89 |
| 5 C | N | 01.00 | 00 | +0 | 99 | 57 | 53 | 53 | 99 | 72 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 0 | 99 |
| 6 | N | 03.30 | 65 | +0 | 99 | 75 | 54 | 54 | 99 | 86 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 77 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode  gliss  time |
|---|---|
| POLY | retai  OFF  00 |

| LEVEL ATT | < P.BENDER > range  step |
|---|---|
| 007 | 05  00 |

< MODULATION >

| | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:E 3    HIGH:G 8

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## 28-8. QUEKER  E₃ ↑



### TX816 VOICE DATA



| < NAME > | |
|---|---|
| QKR | 28.8 |

| | |
|---|---|
| ALGO | 07 |
| MID C | C 4 |
| F.B | 7 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 80 | 87 | 99 | 99 | 40 | 50 | 50 | 38 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 35 | 28 | 59 | 85 | ON | 2 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N | 00.50 | 00 | +7 | 99 | 59 | 61 | 68 | 46 | 92 | 74 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 93 |
| 2 | | N | 00.81 | 63 | -7 | 59 | 46 | 50 | 99 | 67 | 96 | 00 | 99 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 2 | 64 |
| 3 | C | N | 00.50 | 00 | -7 | 57 | 65 | 57 | 71 | 64 | 95 | 71 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 1 | 99 |
| 4 | | N | 00.68 | 36 | -1 | 73 | 75 | 57 | 57 | 67 | 64 | 59 | 50 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 0 | 87 |
| 5 | | F | 1995. | 30 | +0 | 74 | 82 | 30 | 81 | 56 | 60 | 32 | 68 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 88 |
| 6 | | F | 2291. | 36 | +4 | 93 | 43 | 17 | 99 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:E 3    HIGH:G 8

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## 29-8  CASTANETS  E₃ ↑

### TX816 VOICE DATA



| < NAME > | |
|---|---|
| CSTNT | 29.8 |

| | |
|---|---|
| ALGO | 06 |
| MID C | C 3 |
| F.B | 7 |
| SYNC | ON |

| < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| 98 | 98 | 98 | 73 | 50 | 50 | 50 | 50 |

| < LFO > | | | | | |
|---|---|---|---|---|---|
| WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| TRI | 04 | 00 | 00 | 00 | ON | 4 |

| OP | | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | F | 2.630 | 42 | +0 | 99 | 39 | 62 | 28 | 99 | 99 | 66 | 00 | 00 | -L | A-1 | 00 | +L | 0 | 0 | 1 | 99 |
| 2 | | F | 2291. | 36 | +3 | 85 | 77 | 99 | 69 | 99 | 86 | 00 | 00 | 00 | -L | D 3 | 00 | -E | 0 | 0 | 7 | 99 |
| 3 | C | F | 1.950 | 29 | -3 | 99 | 39 | 62 | 28 | 99 | 99 | 66 | 00 | 00 | -L | A-1 | 00 | +L | 0 | 0 | 1 | 99 |
| 4 | | F | 2188. | 34 | +0 | 92 | 77 | 99 | 69 | 99 | 86 | 00 | 00 | 00 | -L | D 3 | 00 | -E | 0 | 0 | 2 | 99 |
| 5 | C | F | 3.388 | 53 | +0 | 99 | 39 | 62 | 28 | 99 | 99 | 66 | 00 | 00 | -L | A-1 | 00 | +L | 0 | 0 | 3 | 99 |
| 6 | | F | 9120. | 96 | +0 | 92 | 77 | 99 | 69 | 99 | 86 | 00 | 00 | 00 | -L | D 3 | 00 | -E | 0 | 0 | 5 | 99 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:E 3    HIGH:G 8

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## 30-8  TAMBOURINE  E₃ ↑

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | TMBRN 30.8 | 98 | 98 | 98 | 98 | 50 | 50 | 50 | 50 |

| ALGO | 18 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 3 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 7 | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 3 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | F 6166. | 79 | +0 | 99 | 99 | 46 | 52 | 99 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 2 | 99 |
| 2 | | F 17.38 | 24 | +0 | 99 | 99 | 21 | 33 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 88 |
| 3 | | F 8718. | 94 | +0 | 99 | 88 | 48 | 21 | 99 | 73 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 1 | 99 |
| 4 | | F 112.2 | 05 | +0 | 99 | 47 | 20 | 23 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 82 |
| 5 | | F 812.8 | 91 | +0 | 99 | 99 | 99 | 25 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 1 | 0 | 0 | 47 |
| 6 | | F 1000. | 00 | +0 | 99 | 53 | 28 | 21 | 86 | 85 | 52 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 78 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT        LOW:E 3        HIGH:G 8

---

## 31-8  HAND DRUMS  E₃ ↑

| ALGORITHM : | < NAME > | < PITCH ENVELOPE > | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 |
| | HDRUM 31.8 | 75 | 28 | 57 | 99 | 50 | 50 | 48 | 50 |

| ALGO | 04 | < LFO > | | | | | |
|---|---|---|---|---|---|---|---|
| MID C | C 2 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| F.B | 6 | | | | | | |
| SYNC | ON | TRI | 35 | 00 | 00 | 00 | ON | 0 |

| OP | M | < FREQ > | | | < ENVELOPE > | | | | | | | | < KBD SCALE > | | | | | | < S > | | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | |
| 1 | C | N 00.76 | 52 | +0 | 84 | 99 | 47 | 50 | 50 | 99 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 3 | 0 | 1 | 99 |
| 2 | | N 00.52 | 05 | +0 | 82 | 49 | 43 | 29 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 3 | 78 |
| 3 | | N 00.92 | 85 | +0 | 92 | 70 | 39 | 26 | 97 | 80 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 2 | 0 | 1 | 96 |
| 4 | C | N 01.64 | 64 | +0 | 94 | 71 | 46 | 45 | 99 | 90 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 5 | 0 | 2 | 99 |
| 5 | | F 501.2 | 70 | +0 | 72 | 99 | 57 | 40 | 99 | 99 | 00 | 00 | 00 | -L | F#2 | 00 | -L | 4 | 0 | 3 | 75 |
| 6 | | N 02.96 | 48 | +0 | 67 | 99 | 60 | 38 | 71 | 93 | 00 | 39 | 00 | -L | C#2 | 00 | -L | 6 | 0 | 4 | 90 |

### FUNCTION DATA

| POLY /MONO | < PORTAMENTO > | | |
|---|---|---|---|
| | mode | gliss | time |
| POLY | retai | OFF | 00 |

| LEVEL ATT | < P.BENDER > | |
|---|---|---|
| | range | step |
| 007 | 05 | 00 |

| < MODULATION > | | | | |
|---|---|---|---|---|
| | MOD | F.C | B.C | A.TCH |
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT        LOW:E 3        HIGH:G 8

TX816 VOICE DATA

| ALGORITHM 1 | | < NAME > | | < PITCH ENVELOPE > | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | R1 | R2 | R3 | R4 | | L1 | L2 | L3 | L4 |
| | | TRIGL 32.8 | | 99 | 99 | 99 | 99 | | 50 | 50 | 50 | 50 |

| | | < LFO > | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ALGO | 08 | WAVE | SPD | DLY | PMD | AMD | SYNC | PMS |
| MID C | C 3 | | | | | | | |
| F.B | 4 | TRI | 35 | 00 | 00 | 00 | ON | 3 |
| SYNC | ON | | | | | | | |

| OP | M | < FREQ > | | | R1 | R2 | R3 | R4 | L1 | L2 | L3 | L4 | LD | LC | BP | RD | RC | R | M | V | TL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FC | FF | D | | | | < ENVELOPE > | | | | | | | < KBD SCALE > | | | | < S > | | |
| 1 | C | F 9333. | 97 | +0 | 89 | 60 | 14 | 42 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 99 |
| 2 | | F 2570. | 41 | +0 | 99 | 42 | 27 | 28 | 99 | 79 | 00 | 79 | 00 | -L | A-1 | 99 | -L | 0 | 0 | 1 | 99 |
| 3 | C | F 3236. | 51 | -7 | 99 | 54 | 45 | 41 | 99 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 2 | 95 |
| 4 | | F 7586. | 88 | +7 | 82 | 49 | 99 | 00 | 97 | 00 | 00 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 87 |
| 5 | | F 8318. | 92 | +0 | 99 | 48 | 99 | 00 | 99 | 48 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 7 | 73 |
| 6 | | F 977.2 | 99 | +0 | 99 | 99 | 99 | 00 | 99 | 99 | 99 | 00 | 00 | -L | A-1 | 00 | -L | 0 | 0 | 0 | 80 |

FUNCTION DATA

| POLY /MONO | < PORTAMENTO > mode gliss time |
|---|---|
| POLY | follo OFF 00 |

| LEVEL ATT | < P.BENDER > range step |
|---|---|
| 007 | 07 00 |

| < MODULATION > | MOD | F.C | B.C | A.TCH |
|---|---|---|---|---|
| range | 53 | 53 | 99 | 53 |
| pitch | ON | OFF | OFF | OFF |
| amp | OFF | OFF | OFF | OFF |
| EG-bias | OFF | OFF | OFF | OFF |

NOTE LIMIT    LOW:E 3    HIGH:G 8

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SINCE 1887 **YAMAHA**

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN