Roland

Roland Digital Piano

HP 1800

OWNER'S MANUAL

Thank you, and congratulations on your choice of the Roland HP-1800 Digital Piano.
Thanks to its use of Advanced SA Process digital sound sources, the HP-1800 faithfully recreates the powerful lows and sparkling highs of a concert grand piano. Moreover, it comes equipped with a keyboard that is a delight to play — one which responds to every playing dynamic. And because the instrument's sound sources are digital, the piano will never need tuning to retain its sound quality. For these and many other reasons, you will now be able to enjoy everything you would expect from a traditional piano — all within a user-friendly, compact package that more readily fits into a modern lifestyle.
In order to take full advantage of the HP-1800's numerous features, and to enjoy years of trouble-free service, please take the time to read through this manual.

Features

- Six Different Sounds <Page 4>
  The selection of sounds, beginning with a luxurious grand piano, allows you to play music in virtually any style.

- A Dual Function <Page 4>
  Any two Voices can be combined (layered) and played together.

- Digital Effects <Page 5>
  Your new piano comes equipped with two digital effects: Chorus and Reverb.

- A "Recorder" <Page 6>
  An easy-to-operate Recorder allows you to record and play back the music you create.

- A Key Touch Function <Page 7>
  Three 'Touch' levels are available, allowing the player to adjust the keyboard feel to suit personal preferences.

- A Damper Pedal <Page 7>
  When the Damper pedal is depressed, the HP-1800 provides a realistic simulation of "sympathetic resonance." This effect occurs when strings (on an acoustic piano) adjacent to the notes played also resonate, creating much richer, expansive sonorities.

- Auto Loudness Effect
  Allows you to obtain impressively emphasized bass sounds even with fainter notes.

- Tuning Functions
  Even though there is no need to tune an electric piano at regular intervals, or after it has been moved, the instrument allows for the creative use of alternate tunings.

  Master Tuning <Page 4>
  The overall pitch of the piano can be changed to match the pitch of other musical instruments.

- MIDI Capability <from Page 8>
  The instrument also provides for use of MIDI, the interface standard designed to provide for the transfer of performance information among electronic musical instruments and computers.

About the Advanced SA Sound Sources

The sounds produced by this instrument are created using the "Advanced SA Process," which represents a pooling of the best leading-edge digital technology by Roland. The ASA process, developed as a natural extension of the original SA process, involved a series of efforts: first, an analysis of the essential properties of sound as generated by musical instruments, then an extraction, and finally a re-synthesis designed to facilitate the expressive needs of musicians. The result is a sound generation method which provides very finely textured and realistic sounds.

Contents

Important Notes

In addition to the items listed under Safety Precautions on page 16, please read and adhere to the following:

Power Supply
- When making any connections with other devices, always turn off the power to all equipment first; this will help prevent damage or malfunction.

- Do not use this unit on the same power circuit with any device that will generate line noise, such as a motor or variable lighting system.

Placement
- Using the unit near power amplifiers (or other equipment containing large transformers) may induce hum.

- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.

- Make sure you always have the instrument placed so it is level and sure to remain stable. Otherwise, if played while tilted, you risk causing damage to the keyboard as a result of the unnatural degree of force that might be applied to certain parts of it.

Maintenance
- For everyday cleaning wipe the unit with a soft, dry cloth (or one that has been slightly dampened with water). To remove stubborn dirt, use a mild neutral detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.

- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the risk of discoloration and/or deformation.

Additional Precautions
- Protect the unit from strong impact.

- Before using the unit in a foreign country, consult with qualified service personnel.

- Watch your fingers when opening or closing the cover. Smaller children might need some help.

- Do not attempt to forcibly the music stand further forward than it is designed for. (Keep it within its normal swing when moved gently.)

- Never place vases, drinks, or any other item containing liquid on top of the unit. In the event of a spill, be sure to wipe clean immediately with a dry cloth. Any spill that is not cleaned up promptly may damage the finish. If liquid enters the unit, there is the fire or electric shock.

Assembling the KS-1800 Stand for the HP-1800

Two people are needed to carry out the assembly. Never attempt it alone.

* To move the main unit, be sure to keep it level while you lift it straight up.
  Be very careful, so as to avoid getting fingers pinched or toes hurt by accidentally dropping the unit.

■Check the parts

Before you begin assembly, check that you have all the following parts.

Ⓐ Side board (left) ·· 1
Ⓑ Side board (right) ··· 1
Ⓒ Pedal board ··· 1
Ⓓ Rear board ··· 1

ⓐ Long screws (M6 × 60 mm) ······················· 4
ⓑ Short screws (M4 × 15 mm) ······················· 4
ⓒ Pointed screws (4 × 25 mm) ······················ 4
ⓓ Knob bolts ·· 2
ⓔ Phillips head screwdriver ························· 1
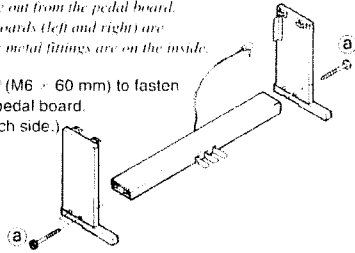ⓕ Cord clamps ·· 2
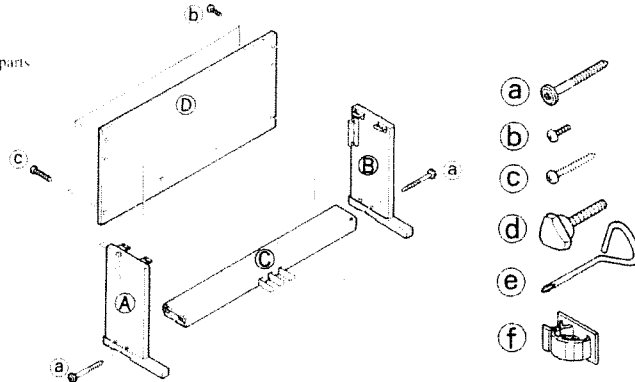
■Assembly procedure

1 / Attach the side boards (left and right) to the pedal board.

Note Extend the pedal cable out from the pedal board.
Note Be sure that the side boards (left and right) are oriented correctly; the metal fittings are on the inside.

① Use the long screws ⓐ (M6 × 60 mm) to fasten the side boards to the pedal board. (Use two screws for each side.)

2 / Attach the rear board.

Note Be sure that the rear board is oriented correctly; the grainy surface is on the inside, and the black painted surface on the outside. The end with two through holes on the right and left sides should be facing up.

② Use the short screws ⓑ (M4 × 15 mm) to fasten the rear board to the side boards. (Use two screws for each side.)
③ Use the pointed screws ⓒ (4 × 25 mm) to fasten the rear board to the pedal board. (Use four screws.)
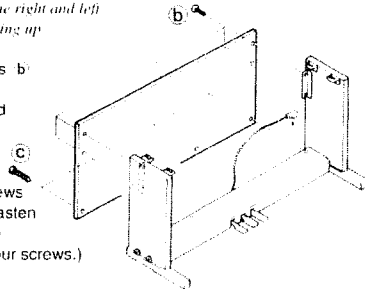
3 / Attach the piano to the stand.

Note When placing the piano on the stand, be careful not to pinch your fingers. (Avoid holding the ends of the piano.)

④ Align the screws (one on each side) located on the bottom of the piano with the slots in the metal fittings, and slide the piano toward the front so the screws slide into position.
⑤ After the piano is secured to the metal fittings, use the two knob bolts ⓓ to fasten the piano to the stand. (one on each side)
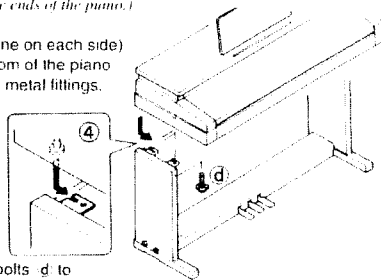
4 / Fasten the pedal cord with the cord clamps; and plug in the pedal cord and the power cord.

⑥ Plug the pedal cord into the jacks on the rear side of the piano.
⑦ Affix the cord clamps ⓕ on the appropriate positions at the back of the rear board (See the figure below.) then fasten the pedal cord using the clamps.
⑧ Plug the power cord into the rear side of the piano. (The power cord is supplied with the piano.)
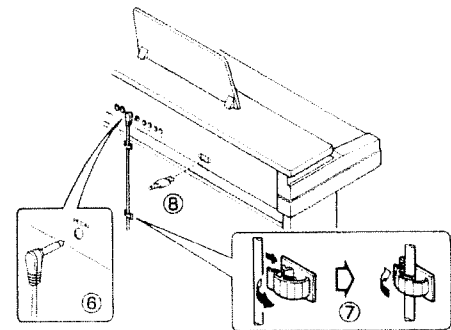
5 / Rotate the adjusting bolt

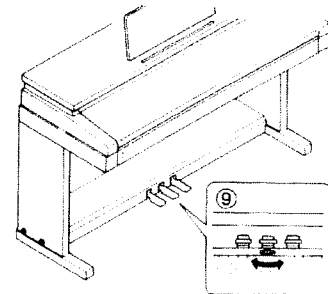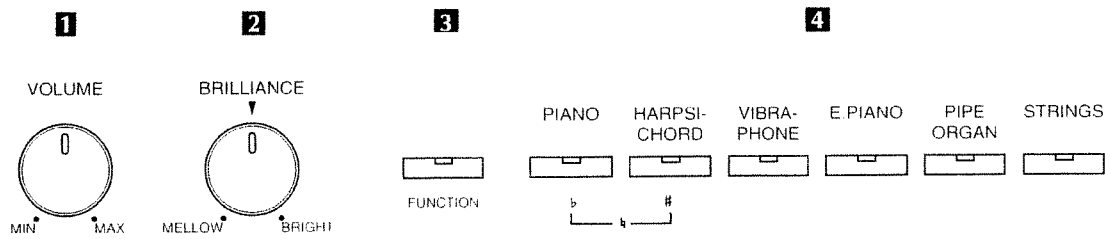**Note** If the piano is placed on carpeting, rotate the adjusting bolt a little more so it is properly supported by the floor.
Note When placing the piano in its location, be sure not to pinch the power cord underneath the piano.

⑨ After the piano has been assembled and installed in its location, rotate the adjusting bolt on the bottom of the pedal board until it completely touches the floor.

Front Panel Description

1	2	3	4

VOLUME BRILLIANCE

PIANO HARPSI- VIBRA- E.PIANO PIPE STRINGS
CHORD PHONE ORGAN

FUNCTION

MIN MAX MELLOW BRIGHT

1 VOLUME Knob
At "MAX" the volume will be greatest.

2 BRILLIANCE Knob
The sound becomes brighter as the knob is turned toward BRIGHT.

3 FUNCTION Button
The FUNCTION button, when used in combination with other buttons or keyboard, is used to perform the following procedures:

Playing the demo songs (p. 6)
Transposing to other keys (p. 7)
Setting the MIDI Transmit/Receive Channels (p. 9)
Setting Omni ON or OFF (p. 9)
Setting Local ON or OFF (p. 9)
Setting the Multi-Timbral mode (p. 10)
Setting the MIDI mode (p. 10)
Transmission/Reception of Program Change Messages (p. 11)

4 Voice Buttons
Use these buttons to select the sound you want.

PIANO	A rich concert grand piano sound.
HARPSICHORD	A distinctively sensitive and refined harpsichord sound.
VIBRAPHONE	The sound of a large vibraphone.
E. PIANO	Provides the timbre of a luminous, transparent electric piano.
PIPE ORGAN	A Cathedral pipe organ.
STRINGS	The sound of a delightful string ensemble.

Press any two Voice buttons simultaneously to have those two sounds combined and played together. (This is known as the DUAL function.)

* The Chorus setting that will apply to the sounds in a layered pair will be the setting made for the Voice button on the left.

Rear Panel Description

1	2	3	4	5

MIDI
OUT IN

PEDAL TUNE INPUT OUTPUT
R L R L

MONO
STEREO STEREO
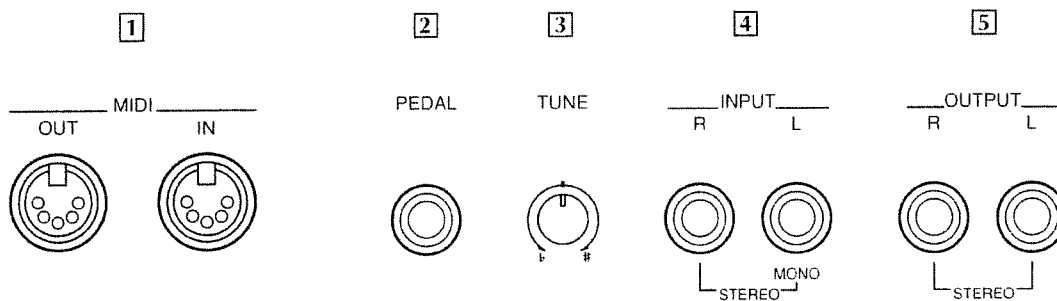
1 MIDI Connectors
Accept the MIDI cables used to connect external electronic instruments.

2 PEDAL Jack
This is where you'll connect the supplied pedals.

3 TUNE Knob
Allows the overall pitch to be adjusted. With the knob at its center position, the center A key (la) on the keyboard will have a frequency of 440 Hz.
Move the knob in the direction of "#" to raise the pitch, and toward "b" to lower it. By rotating the knob to either extreme, you obtain a change of 50 cents (1/2 semitone).

4 INPUT Jacks
Accept input of audio signals from some other unit (CD player, cassette deck etc.) that you wish to hear through the HP-1800's speakers.

5 OUTPUT Jacks
Provide output of sound produced by the HP-1800.

| 5 | 6 | 7 | 8 | 9 |

CHORUS   REVERB   KEY TOUCH   REC   PLAY
                    LIGHT   HEAVY

                                                 DEMO

5 CHORUS Button

Press the **CHORUS** button (its indicator will light) to add minute pulsations to the sounds you play, and make them seem fatter and more expansive.
You can select from six Chorus Depth levels. (p. 8)

* Chorus On/Off setting can be set individually for each Voice.
  Hold down a Voice button while you press the CHORUS button to store the setting (ON /OFF) along with that Voice.

6 REVERB Button

Press the **REVERB** button (its indicator will light) to add reverberation (spacious ambiance) to the sound.
You can select from six Reverb Depth levels. (p. 8)

* Reverb On/Off cannot be set individually for each Voice.

7 KEYTOUCH Button

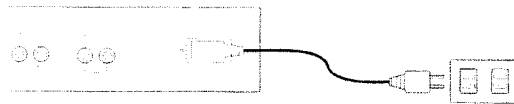Allows you to adjust the keyboard's sensitivity. (p. 7)

8 REC Button

Allows you to record your performances. (p. 6)
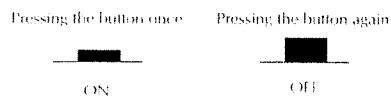
9 PLAY Button

Pressed to play back what you have recorded. (p. 6)

Turning the Power On

1. Insert the plug on the power cord into an outlet.

2. Press the **POWER** button on the left side of the panel.
   (Press the button again to turn it OFF.)

   Pressing the button once   Pressing the button again

             ON   OFF

* A muting feature comes into effect for a brief interval (about 2 seconds) after power up. During this interval, nothing will be heard if you play the keyboard.

* Be sure to use only the power cord supplied with this unit.

* Whenever you do not intend to use the piano for an extended period of time, disconnect the power cord from the outlet.

Using Headphones

To use headphones, insert the plug into the jack located on the left side of the instrument.

* The piano's speakers will no longer produce sound once you have headphones connected. This is convenient for private practice or late-night playing.
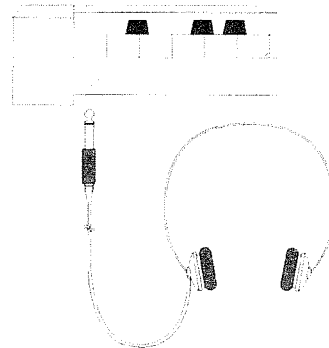
* The VOLUME knob on the instrument can be used to adjust the volume as necessary.

* We recommend the use of stereo headphones.
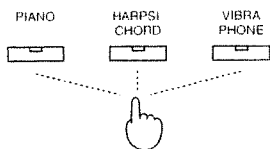
Listening to the Demonstration Songs

The HP-1800 contains three demonstration songs in memory which highlight the instrument's capability. To hear them, follow the steps below.

1. While holding down the **FUNCTION** button, press **PLAY** button (both buttons will start to flash) and in a few seconds the Demo songs will start to play.
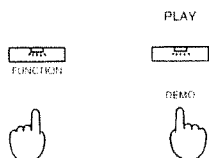
PLAY

2. When one song finishes, the next one will start playing automatically.
   If you wish to listen to only one song, press **PLAY** button while holding the **FUNCTION** button. Then within 2-3 seconds, press one of the **PIANO, HARPSICHORD** and **VIBRAPHONE** buttons. **PIANO** gives you the first song, **HARPSICHORD** the second one and **VIBRAPHONE** the third one. (The button indicator will be flashing for the song currently playing.)

PIANO   HARPSI   VIBRA
         CHORD   PHONE

3. To stop playback of one song and have the another play, simply press the another Voice button (where the indicator is not flashing).

To stop playback of the demonstration songs (and return to the standard mode), press the **FUNCTION** or **PLAY** button.

Voice Buttons	Composer	Song Title
PIANO	Chopin	from Valse No.6 " Petit chien" op.64-1
HARPSICHORD	Chopin	from Nocturne No.1 op.9-1
VIBRAPHONE	J.S.Bach	from Cantata BWV. 147 arranged by Naoki Nishi

Profile of the demo song arranger
Naoki Nishi
Born in 1958 in Hiroshima.
Began working professionally at the age of 21. Has so far released 8 albums on which he is featured. He has also taken part in numerous other albums. His broad range of activities have included appearances at a number of jazz festivals in Japan and other parts of the world. In addition to his duties as an instructor at the Tokyo Conservatoire Shoubi, he has provided his services as a demonstrator for Roland since 1990. He is considered to be one of Japan's finest jazz pianist.

## Try Recording What You Play

How to Create Recordings

Use whatever Voice you like to play whatever song you wish to record. When completed, you will be able to listen to the results, and check how well you played the song.

1. Select the Voice you wish to use for the recording, then make any other selections you wish, such as for Chorus and Reverb.
   When ready, press the **REC** button (its indicator will light). This means that the instrument is in stand-by, waiting for recording to begin.

REC

2. Start playing. (Recording will start the moment the first note is played.)

3. When finished, press the **REC** button again to stop recording. The indicator should go out.

REC
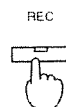
* During recording, you can change to any other Voice you wish to use.

* You can record up to approximately 2,000 notes.
  When the unit starts running low on memory space, the indicator on the REC button will start flashing.
  If you continue recording, the REC indicator will begin flashing faster.
  Once you reach the stage where the unit cannot record any more, the indicator on the REC button will go out, and recording stops automatically.

* Once you begin a new recording, all of the performance data previously recorded will be erased. Once erased, performance data cannot be recovered.

Now try listening to what you just recorded

Press the **PLAY** button (its indicator will light).

PLAY

The unit stops automatically after the song has played through. The indicator will then go out.
(Press the **PLAY** button to stop playback at any point.)

* The performance data that you record will disappear about 8 hours after power has been turned off. If you need a more permanent form of storage for your songs, you will need to connect an external sequencer (p. 8) and record onto that unit.

* To manually erase all recorded performance data, simultaneously press the REC and PLAY buttons.

6

Playing with the Key Transposed

If you wish, you can play the instrument with the key 'transposed.' This conveniently allows you to play in a key that matches a vocal accompaniment, without changing your fingering on the keyboard. Transposition is also useful when you are going to play a piece in a key other than C, and wish to play it as if it were in the key of C. This makes it is easier to play.
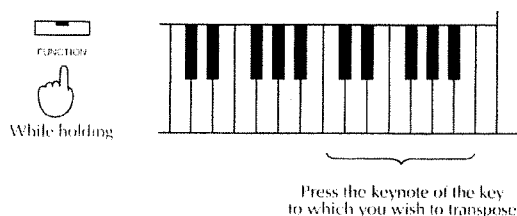
While holding down the **FUNCTION** button, press either **PIANO (♭)** or **HARPSICHORD (#)** enough times to obtain the amount of transposition you wish.
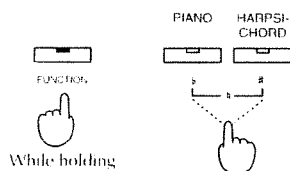
\# With each press, the sound is raised by 1 semitone. (Max. of 5 semitones.)

♭ With each press, the sound is lowered by 1 semitone. (Max. of 6 semitones.)

Playing a piece in some other key with the fingering of C

You need to specify which note you wish to sound when the C key (do in the key of C) is pressed. Hold down the **FUNCTION** button while you press the keynote for the key you wish to transpose to (using the C-B keys in the uppermost of the keyboard). For example, to play an E major piece in the key of C major, you would hold down the **FUNCTION** button while you press E (mi).


Press the keynote of the key
to which you wish to transpose

* To return to the key of C, press **PIANO (♭) and HARPSI-CHORD (#) simultaneously while holding down the FUNCTION button.**

* The indicator on the FUNCTION button will remain lit while transposition is in effect.

* To cancel transposition, press the FUNCTION button again, and confirm that its indicator has gone out.

* Once you have set the transposition, all you need to do to obtain the same transposition the next time is to press the FUNCTION button.

* If you have used the Key Transpose feature to raise the pitch (by 1 to 5 semitones), the keyboard's 5 highest keys (at the far right) will sound one octave lower than normal when playing organ or string sounds.

Pedal Functions

The specialized stand comes equipped with 3 pedals. The right one is the Damper pedal, the middle one is the Sostenuto pedal, and the left one acts as the Soft pedal.
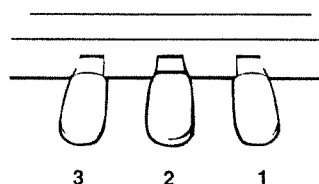

1 **Damper Pedal**
   While the Damper Pedal is depressed, notes that have been played will continue to sound even after your fingers have been removed from those keys.

2 **Sostenuto Pedal**
   This pedal is used to sustain only the sound of those keys that are pressed at the very moment the pedal is depressed. Notes played afterwards are not effected.

3 **Soft Pedal**
   When depressed, you obtain a softer sound.

Key Touch Function

This instrument allows you to select one of three touch settings. These settings determine how the keyboard will respond to certain playing dynamics. Choose the setting which is most comfortable.

Medium
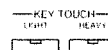
This is the standard setting. The response provided by this setting is generally perceived as being the most natural.

Light
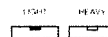
With this setting, the keys will seem lighter to the touch, and fortissimo levels can be achieved with much less effort.

Heavy
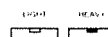
With this setting, the keys will seem heavier to the touch, and you will need to apply even more force than normal to obtain fortissimo levels.

* When powered up, the instrument will be at the default setting (Medium).

Changing the Depth of the Chorus Effect

You can select from 6 different Chorus levels.

1. Hold down the **CHORUS** button for a few seconds until you have confirmed that its indicator has started to flash.

2. With the **CHORUS** button still depressed, press the appropriate Voice button to select the desired depth setting.

Applying Reverb to the Sound

You can select from 6 different Reverb levels.

1. Hold down the **REVERB** button for a few seconds and its indicator will start to flash.
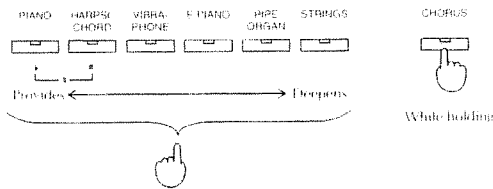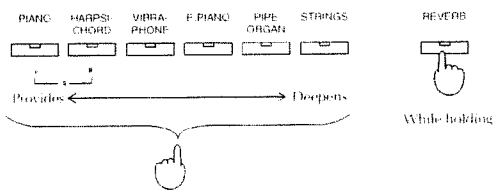
2. With the **REVERB** button still depressed, press the appropriate Voice button to select the desired depth setting.

For Those Who Wish To Use MIDI

Those satisfied with playing the piano by itself need not read the following.

About MIDI...

The MIDI (Musical Instrument Digital Interface) standard was created to provide for the exchange of performance information among electronic musical instruments and computers.

The MIDI Connectors

Take a look at the rear panel of your piano. You should be able to quickly find the two MIDI sockets. These connectors enable the piano to 'converse' with other MIDI-equipped units. The two connectors function as follows:
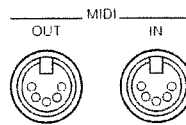
• MIDI IN Connector
This connector is where messages from other MIDI-equipped units are received, and can be likened to the "ears" which listen to what the other instrument has to convey.

• MIDI OUT Connector
From this connector, messages are sent out to other MIDI-equipped units. It can be likened to the "mouth" in the ongoing dialogue between the units.

In order to enable communication between two devices, you need to run a cable, such as shown below, between their respective MIDI connectors.

Connecting a recorder or sequencer such as the PR-1 or MT-200

8

Setting the MIDI Transmit/Receive Channels

MIDI provides for the use of 16 channels, numbered 1—16. When the channel used by the transmitting unit matches that of a remote receiving unit, you can play sounds contained in the remote unit, or change the sounds it uses.
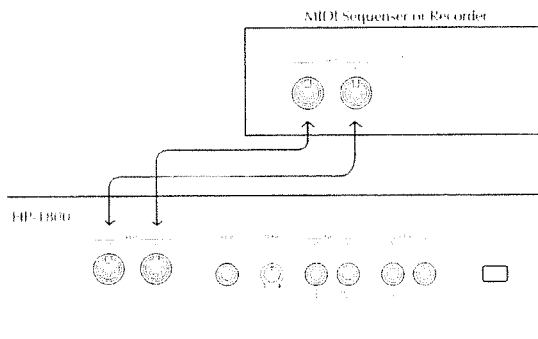
Hold down the **FUNCTION** button while you press the **VIBRAPHONE** button to set the MIDI Transmit/Receive Channel.

1. While the **VIBRAPHONE** button's indicator is dark, the transmission and reception channels will be set to the same channel. The Transmit channel alone can be set while the **VIBRAPHONE** button's indicator is blinking; whereas the Receive channel alone can be set while the **VIBRAPHONE** button's indicator is lit.
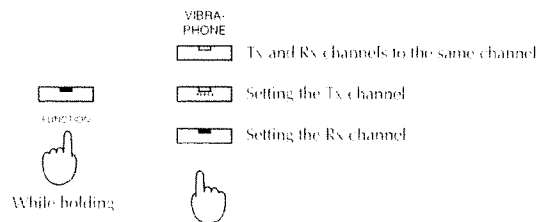

2. With the **FUNCTION** button still depressed, press the key which corresponds to the desired MIDI channel. (See illustration below.)

Press the key that corresponds to the MIDI channel you want
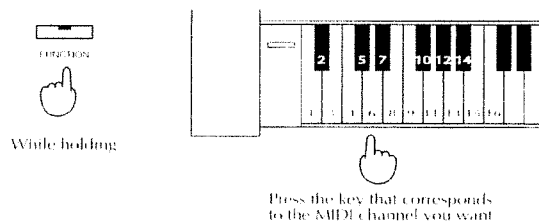
Omni On/Off

When set to "Omni ON," the HP-1800 will produce sound no matter which channel any performance data is received on. This is convenient for hearing the performance data on all channels at the same time.

To set the unit to Omni ON, hold down the **FUNCTION** button and press the key at the right end of the keyboard (the highest key). At the same time, both the transmission and reception channels are automatically set to channel 1.
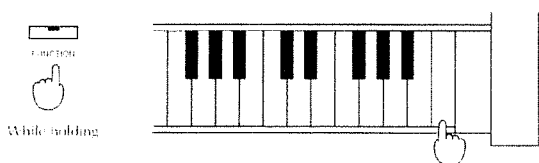

* Thereafter, the unit will be placed back into the Omni OFF mode when a specific setting for the Receive channel is made.

Local On/Off

If you intend to record into a sequencer, set it so its "Soft Thru" function is ON. At the same time, set the piano's Local setting to OFF:

1. Press **FUNCTION** (the **STRINGS** button indicator should be dark). (When this indicator is dark, it means that the unit is set to Local ON.)
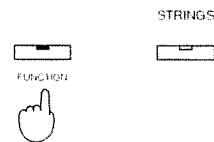
2. With the **FUNCTION** button still depressed, press the **STRINGS** button, and confirm that its indicator has lit. (When this indicator is lit, the unit is set to Local OFF.)

While holding
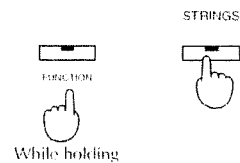
* If the HP-1800 is set to "Local ON" while connected to a sequencer set with its "Soft Thru" function "ON," the same notes will be produced twice. This is because the locally produced keyboard notes first sound internally, and then are sounded a second time when the note messages (after having been sent out the HP-1800's MIDI OUT, and been routed through the sequencer) have arrived back again at the HP-1800's MIDI IN. The resulting sound might seem quite unnatural.

* When the Local feature is set at "Off", the sound source of the instrument will be disengaged from the keyboard. As a result, only the musical information that has traveled through the sequencer and has arrived back again will cause the instrument to sound.

* Some sequencers, such as the MT-200, automatically send out a "Local Off" message at power up. There are also sequencers (such as the PR-1) which are ordinarily used while set to Soft Thru Off, so the instrument being used can be left set at Local On.

* This piano will always be set at "Local ON" whenever its power is turned on.

* Whenever there are no cables connected to this instrument's MIDI connectors, it will always be at "Local ON."

The Multi-Timbral Mode

When the Multi-Timbral mode is ON, MIDI data arriving on several channels can be received. This allows you to simultaneously play several of the piano's internal sounds.

- When the Multi-Timbral Mode is OFF
 Data that arrives on the specified Receive channel (see page 9) is received and used to play the currently selected Voice.

- When the Multi-Timbral Mode is ON
  Of any MIDI data that arrives, that which arrives on channels 1, 11, 12, 13, 14 and 15 is received. Data on all other channels is ignored.
  The Voice that is used to play the notes will be determined by the Program Change message that is received on the relevant channel. The correspondence between Program Change Numbers and Voices is shown on page 11.

While holding down the **FUNCTION** button, press the **PIPEORGAN** button to turn the Multi-Timbral Mode ON or OFF.
With the indicator lit, it is ON.

While holding
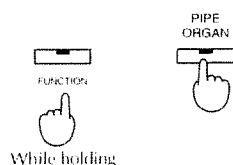
### How Various Types of Messages Function While the Multi-Timbral Mode is ON

- **Pedal Messages**
  Damper, sostenuto and soft pedal messages function independently for any of these channels: 1, 11, 12, 13, 14 or 15.

- **Volume Messages**
  Volume messages control the volume, and function independently for any of these channels: 1, 11, 12, 13, 14 or 15. Such messages, however, have no effect on what is played on this instrument's keyboard.
  The actual volume obtained is determined by both the value of the Volume message, and the position of the Volume knob on this instrument. When a Volume message calls for the maximum value, the actual volume produced will directly reflect the position of the Volume knob.

- **Chorus On/Off Messages**
  Chorus On/Off messages affect independently for each channel 1, 11, 12, 13, 14 or 15.

- **Reverb On/Off Messages**
  Reverb On/Off messages affect all Voices equally, regardless of whether they are received on channel 1, 11, 12, 13, 14 or 15.

* When the Multi-Timbral Mode is "On," the unit will always be at "Omni OFF."

Selecting the Transmission/Reception Mode

Three Transmission/Reception Modes have been provided to allow you to select the mode which best matches your needs.

* Note and Pedal messages are received/transmitted in every mode.

Hold down the **FUNCTION** button while you press the **E.PIANO** button to set the Transmit/Receive mode. When the **E.PIANO** button's indicator is dark, you are in Mode 1. When the **E.PIANO** button's indicator is blinking, you are in Mode 2. When the **E.PIANO** button's indicator is lit, you are in Mode 3.

While holding
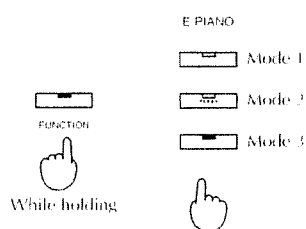
* When power is turned on, the unit will always be at the Mode 1 setting.

Mode	I		II		III	
MIDI Messages	TX	RX	TX	RX	TX	RX
Note Messages	Yes	Yes	Yes	Yes	Yes	Yes
Program Change Messages	Yes	Yes	Yes	No	Yes*	Yes
Control Change Messages						
Volume (7)	No	Yes	No	Yes	No	Yes
Damper (64)	Yes	Yes	Yes	Yes	Yes	Yes
Sostenuto (66)	Yes	Yes	Yes	Yes	Yes	Yes
Soft (67)	Yes	Yes	Yes	Yes	Yes	Yes
Chorus On/Off (93)	No	No	No	No	Yes	Yes
Reverb On/Off (91)	No	No	No	No	Yes	Yes
Master Tune (RPN)	No	No	No	No	Yes	Yes
Roland System Exclusive Messages						
Multi-Timbral Mode	No	Yes	No	Yes	Yes	Yes
Chorus Depth	No	Yes	No	Yes	Yes	Yes
Reverb Depth	No	Yes	No	Yes	Yes	Yes
Brilliance	No	Yes	No	Yes	Yes	Yes

* In Mode 3, the appropriate Program Change message will be transmitted whenever you press a Voice button. (See the following page.)

Transmission/Reception of Program Change Messages

Transmitting

While holding down the **FUNCTION** button, press the keys corresponding to the Group, Bank, and Number which make up the Program Change message you wish to transmit.

Group A

Bank \ Number	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8
2	9	10	11	12	13	14	15	16
3	17	18	19	20	21	22	23	24
4	25	26	27	28	29	30	31	32
5	33	34	35	36	37	38	39	40
6	41	42	43	44	45	46	47	48
7	49	50	51	52	53	54	55	56
8	57	58	59	60	61	62	63	64

Group B

Bank \ Number	1	2	3	4	5	6	7	8
1	65	66	67	68	69	70	71	72
2	73	74	75	76	77	78	79	80
3	81	82	83	84	85	86	87	88
4	89	90	91	92	93	94	95	96
5	97	98	99	100	101	102	103	104
6	105	106	107	108	109	110	111	112
7	113	114	115	116	117	118	119	120
8	121	122	123	124	125	126	127	128

* In the Mode 3 Transmission/Reception mode, the appropriate Program Change message will be transmitted whenever you press a Voice button.

1 PIANO	13 PIANO + VIBRAPHONE	32 HARPSICHORD + STRINGS
3 HARPSICHORD	14 PIANO + E.PIANO	46 VIBRAPHONE + E.PIANO
5 VIBRAPHONE	15 PIANO + PIPEORGAN	47 VIBRAPHONE + PIPEORGAN
6 E.PIANO	16 PIANO + STRINGS	48 VIBRAPHONE + STRINGS
7 PIPEORGAN	29 HARPSICHORD + VIBRAPHONE	55 E.PIANO + PIPEORGAN
8 STRINGS	30 HARPSICHORD + E.PIANO	56 E.PIANO + STRINGS
11 PIANO + HARPSICHORD	31 HARPSICHORD + PIPEORGAN	64 PIPEORGAN + STRINGS

Receiving

When a Program Change message is received, a change is made to the correspondingly numbered Voice, as shown below.

1 PIANO	13 PIANO + VIBRAPHONE	32 HARPSICHORD + STRINGS
3 HARPSICHORD	14 PIANO + E.PIANO	46 VIBRAPHONE + E.PIANO
5 VIBRAPHONE	15 PIANO + PIPEORGAN	47 VIBRAPHONE + PIPEORGAN
6 E.PIANO	16 PIANO + STRINGS	48 VIBRAPHONE + STRINGS
7 PIPEORGAN	29 HARPSICHORD + VIBRAPHONE	55 E.PIANO + PIPEORGAN
8 STRINGS	30 HARPSICHORD + E.PIANO	56 E.PIANO + STRINGS
11 PIANO + HARPSICHORD	31 HARPSICHORD + PIPEORGAN	64 PIPEORGAN + STRINGS

* Program Changes except those mentioned above will be ignored.

Troubleshooting

Whenever you suspect that the instrument is not performing as it should, please consult the following information.

Q. No sound heard from speakers.
A. •Have you checked to make sure you don't have the volume set at "MIN"?
 •Do you possibly have headphones connected?
 •If using other connected MIDI devices, have you made sure the power is ON for all such devices?
 •If in the Multi-Timbral mode, do you have the Transmit channel set to something other than 1, 11, 12, 13, 14, or 15 ?
 •Is the Local control set to OFF?

Q. The damper effect is constantly applied to notes played (they continue sounding longer than normal). Or, the damper effect cannot be obtained at all.
A. Have you checked to make sure the cable from the stand is connected properly to the piano?
 Refer to "Assembling the KS-1800 Stand for the HP-1800," page 3.

Q. Notes played on the keyboard are too high (or low) in pitch.
A. •Have you checked to make sure that key transposition is not in effect? (If Key Transpose has been set, the indicator on the FUNCTION button will be lit.)
 To exit the transposed state, press the FUNCTION button. (Its indicator should be out.)
 •Do you have the Master Tuning set appropriately?

Q. Data that was in the recorder has disappeared.
A. •The performance data that you record into the recorder will be erased approx. 8 hours after power is turned off. Regrettably, there is no way to restore such data once it has been erased. If you need a more permanent form of storage for your songs, you will need to use a sequencer (eg., Roland MT-200) and store songs on floppy disks.
 •Have you possibly pressed the PLAY and REC buttons at the same time?

Q. The pitch differs from what it should be with Roland "ISM" related products, or another manufacturer's sound generating unit.
A. Check to make sure that the Tuning knob on the rear of the unit hasn't been inadvertently moved.
 Adjust the tuning knob until the piano's pitch matches that of the external units you are using.

Q. Operations you perform using the panel buttons (Chorus/Reverb/Voice selections) cannot be stored into a sequencer.
A. Have you made sure you have the Transmission/Reception Mode set to Mode 3? Note that each time power is turned on, the unit will by default be in Mode 1. In order to record operations you perform using the panel buttons, the piano must be set to Mode 3.

Specifications   HP-1800

Keyboard	88 keys	**Speakers**	16 cm X 2
	(weighted counter-lever action)	**Output**	20 W X 2
Sound Source	Advanced SA Process	**Finish**	Simulated Brazilian Rosewood
Voices	Piano	**Power Consumption**	50 W (120V), 45 W (230,240V)
	Harpsichord	**Dimensions :Piano**	1419 (W) X 456 (D) X 192 (H) mm
	Vibraphone		55-7/8 (W) X 18 (D) X 7-9/16 (H) inches
	Electric Piano	:Stand	1419 (W) X 456 (D) X 638 (H) mm
	Pipe Organ		55-7/8 (W) X 18 (W) X 25-1/8 (H) inches
	Strings	:Total	1419 (W) X 456 (D) X 830 (H) mm
Effects	Chorus (6 levels)		55-7/8 (W) X 18 (D) X 32-11/16 (H) inches
	Reverb (6 levels)	**Weight** :Piano	43.5kg
Touch Control	Light		95lbs. 15oz.
	Medium	:Stand	14.7kg
	Heavy		32lbs. 7oz.
Controls	Volume, Brilliance, Master Tune,	:Total	58.2kg
	Key Transpose		128lbs. 5oz.
Connectors	Output Jacks (Stereo)	**Supplied Accessories**	Owner's Manual, Power Cable
	Input Jacks (Stereo/Mono)	**Options**	Keyboard Stand (KS-1800)
	Pedal Jacks		
	MIDI IN Connector		
	MIDI OUT Connector	* In the interest of product improvement, the specifications of this unit are subject to change without prior notice.	
	Headphones Jack		
Pedals	Damper, Soft, Sostenuto		

DIGITAL PIANO
Model HP-1800

MIDI Implementation Chart

Date:Feb. 12, 1993
Version:1.00

	Function•••	Transmitted	Recognized	Remarks
Basic **Channel**	Default Changed	1 1-16	1 1-16. *4 (1.11.12.13.14.15)	
Mode	Default Messages Altered	Mode 3 OMNI OFF. POLY **********	Mode 3 *5 *3	*2
Note **Number**	True Voice	15-113 **********	0-127 15-113	
Velocity	Note ON Note OFF	o o 8n v=1-127	o o	
After **Touch**	Key's Ch's	x x	x x	
Pitch Bend		x	x	
Control **Change**	6, 38 7 64 66 67 91 93 100, 101 121	o x o o o *1 *1 o x	o o o o o *1 *1 o o	Data entry Volume Hold 1 Sostenuto Soft Reverb Chorus RPN LSB, MSB Reset all controllers
Prog **Change**	True #	*1 (0-127) **********	*1 (0-127) 0...63	
System Exclusive		o	o	
System **Common**	Song Pos Song Sel True	x x x	x x x	
System **Real Time**	Clock Commands	x x	x x	
AUX **Messages**	Local ON/OFF All Notes OFF Active Sense Reset	x x o x	o o (123-127) o x	
Notes		*1 Able to choose between "o" and "x". *2 When power on, OMNI OFF and POLY are sent through the basic channel. *3 When the Multi-Timbral Mode is OFF, recognized as Mode 3 even if receiving in MONO mode (M=1). Recognized as Mode 1 even if receiving in MONO mode (M≠1). *4 When the Multi-Timbral Mode is ON. *5 Set to "x" when the Multi-Timbral Mode is ON and set to "o" when the Multi-Timbral Mode is OFF.		

Mode 1 : OMNI ON, POLY   Mode 2 : OMNI ON, MONO   o : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF, MONO   x : No

Information

When you need repair service, call your local Roland Service Station or the authorized Roland distributor in your country as shown below.

U. S. A.
Roland Corporation US
7200 Dominion Circle
Los Angeles, CA 90040-3696,
U. S. A.
TEL: (213) 685-5141

CANADA
Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way
Richmond B. C., V6V 2M4
CANADA
TEL: (604) 270-6626

Roland Canada Music Ltd.
(Montreal Office)
9425 Transcanadienne
Service Rd. N., St Laurent,
Quebec H4S 1V3, CANADA
TEL: (514) 335-2009

Roland Canada Music Ltd.
(Toronto Office)
346 Watline Avenue,
Mississauga, Ontario L4Z
1X2, CANADA
TEL: (416) 890-6488

AUSTRALIA
Roland Corporation Australia Pty. Ltd.
38 Campbell Avenue Dee
Why West, NSW 2099
AUSTRALIA
TEL: (02) 982-8266

NEW ZEALAND
Roland Corporation (NZ) Ltd.
97 Mt. Eden Road, Mt. Eden,
Auckland 3, NEW
ZEALAND
TEL: (09) 3098-715

UNITED KINGDOM
Roland (U.K.) Ltd.
Rye Close Ancells Business
Park, Fleet, Hampshire GU13
8UY, UNITED KINGDOM
TEL: 0252-816181

Roland (U.K.) Ltd.,
Swansea Office
Atlantic Close, Swansea
Enterprise Park, Swansea,
West Glamorgan SA79FJ,
UNITED KINGDOM
TEL: (0792) 700-139

ITALY
Roland Italy S. p. A.
Viale delle Industrie 8 20020
ARESE MILANO ITALY
TEL: 02-93581311

SPAIN
Roland Electronics de España, S. A.
Calle Bolivia 239 08020
Barcelona, SPAIN
TEL: 93-308-1000

GERMANY
Roland Elektronische Musikinstrumente Handelsgesellschaft mbH.
Oststrasse 96, 2000
Norderstedt, GERMANY
TEL: (040)52 60 090

FRANCE
Musikengro
102 Avenue Jean-Jaures
69007 Lyon Cedex 07
FRANCE
TEL: (7) 858-54 60

Musikengro (Paris Office)
Centre Region Parisienne 41
rue Charles-Fourier, 94400
Vitry SUR/SEINE FRANCE
TEL: (1) 4680 86 62

BELGIUM/HOLLAND/ LUXEMBOURG
Roland Benelux N. V.
Houtstraat 1 B-2260 Oevel-
Westerlo BELGIUM
TEL: (00 32) 14-575811

DENMARK
Roland Scandinavia A/S
Langebrogade 6 Box 1937
DK-1023 Copenhagen K.
DENMARK
TEL: 31 95 31 11

SWEDEN
Roland Scandinavia A/S
Danvik Center 28 A, 2 tr. S-
131 30 Nacka SWEDEN
TEL: 08-702 00 20

NORWAY
Roland Scandinavia Avd. Kontor Norge
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo 2
NORWAY
TEL: 22-73 00 74

FINLAND
Fazer Musik Inc.
Länsituulentie POB 169, SF-
02101 Espoo FINLAND
TEL: 0-43 50 11

SWITZERLAND
Musitronic AG
Gerberstrasse 5, CH-4410
Liestal, SWITZERLAND
TEL: 061/921 16 15

Roland CK (Switzerland) AG
Postfach/Hauptstrasse 21
CH-4456 Tenniken
SWITZERLAND
TEL: 061/98 60 55
Repair Service by Musitronic AG

AUSTRIA
E. Dematte &Co.
Neu-Rum Siemens-Strasse 4
A-6021 Innsbruck Postfach
591 AUSTRIA
TEL: (0512) 63 451

GREECE
V. Dimitriadis & Co. Ltd.
20, Alexandras Ave., GR
10682 Athens, GREECE
TEL: 01-8232415

PORTUGAL
Casa Caius Instrumentos Musicais Lda.
Rua de Santa Catarina 131
4000 Porto, PORTUGAL
TEL: 02-38 44 56

HUNGARY
Intermusica Ltd.
Warehouse Area 'DEPO'
Torokbalint, Budapest
HUNGARY
TEL: (1) 1868905

ISRAEL
D.J.A. International Ltd.
11 Bar Gyiora St., Tel Aviv
ISRAEL
TEL: 972-3-5283329

CYPRUS
Radex Sound Equipment Ltd.
17 Diagorou St., P.O.Box
2046, Nicosia CYPRUS
TEL: 453426, 466423

U.A.E
Zak Electronics & Musical Instruments Co.
P.O. Box 8050
DUBAI, U.A.E.
TEL: 695774

SAUDI ARABIA
Omar Badoghaish Trading Corp.
P.O. Box 5980
Jeddah, SAUDI ARABIA
TEL: 966-02-6607038

KUWAIT
Easa Husain Al-Yousifi
P.O. Box 126 Safat 13002
KUWAIT
TEL: 965-5719499

LEBANON
A. Chahine & Fils
P.O. Box 16-5857
Beirut, LEBANON
TEL: 335799

TURKEY
Barkat Sanayi ve Ticaret
Siraselviler Cad. 86/6 Taksim
Istanbul, TURKEY
TEL: 149 93 24

EGYPT
Al Fanny Trading Office
9, Ebn Hagar Askalany
Street, Ard El Goli,
Heliopolis, Cairo, EGYPT
TEL: 2917803-665918

BRAZIL
Roland Brasil Ltda.
R. Alvarenga 591 CEP-
05509 Sao Paulo BRAZIL
TEL: (011) 813 7967
Repair Service for Roland and
Rhodes products

Oliver do Brasil S.A. Instrumentos Musicais
Rua Bottucea, 198/206
CEP 05686-010 Vila Indiana
Butanta Sao Paulo-SP
BRAZIL
TEL: (011) 813-4039
Repair Service for BOSS products

MEXICO
Casa Veerkamp, s.a. de c.v.
Mesones No. 21 Col. Centro
MEXICO D.F. 06080
TEL: (5) 709-3746

La Casa Wagner de Guadalajara s.a. de c.v.
Av. Corona No. 202 S.J.
C.P.44100 Guadalajara,
Jalisco MEXICO
TEL: (36) 13-1414

VENEZUELA
Musicland Digital C.A.
Av. Francisco De Miranda,
Centro Parque Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (2)2844497

PANAMA
Productos Superiores, S.A.
Apartado 655 - Panama 1
REP. DE PANAMA
TEL: 26-3322

ARGENTINA
Instrumentos Musicales S.A.
Florida 638
(1005) Buenos Aires
ARGENTINA
TEL: (1)394-4029

HONG KONG
Tom Lee Music Co., Ltd.
Service Division
22-32 Pun Shan Street,
Tsuen Wan, New Territories,
HONG KONG
TEL: 415-0911

KOREA
Cosmos Corporation Service Station
261 2nd Floor Nak-Won
arcade Jong-Ro ku, Seoul,
KOREA
TEL: (02) 742 8844

SINGAPORE
Swee Lee Company
Bras Basah Complex #03-23
Singapore 0178 SINGA-
PORE
TEL: 3367886

PHILIPPINES
G.A. Yupangco & Co. Inc.
339 Gil J. Puyat Avenue
Makati, Metro Manila 1200,
PHILIPPINES
TEL: (63 2) 8 19-25 51

THAILAND
Theera Music Co., Ltd.
330 Verng Nakorn Kasem,
Soi 2, Bangkok 10100,
THAILAND
TEL: 2248821

MALAYSIA
Syarikat Bentley
No.142, Jalan Bukit Bintang
55100 Kuala Lumpur,
MALAYSIA
TEL: 2421288

INDONESIA
PT Galestra Inti
Kompleks Perkantoran Duta
Merlin Blok C/59 JL. Gajah
mada No.3-5 Jakarta 10130
INDONESIA
TEL: (021) 354604, 354606

TAIWAN
Siruba Enterprise (Taiwan) Co., LTD.
Room. 5, 9F. No. 112
Chung Shan N.Road Sec.2
Taipei, TAIWAN, R.O.C.
TEL: (02) 5364546

SOUTH AFRICA
That Other Music Shop (PTY) Ltd.
256 Bree Street, Johannes-
burg 2001 Republic of
South Africa
TEL: 337-6573

Paul Bothner (PTY) Ltd.
17 Werdmuller Centre
Claremont 7700 Republic
of South Africa
TEL: 021-64-4030

As of Feb. 4, 1993

	CAUTION	
⚠	RISK OF ELECTRIC SHOCK DO NOT OPEN	⚠

ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS

WARNING — When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product should be used only with a cart or stand that is recommended by the manufacturer.
4. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be located so that its location or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. Avoid using the product where it may be affected by dust.
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
9. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
10. Do not tread on the power-supply cord.
11. Do not pull the cord but hold the plug when unplugging.
12. When setting up with any other instruments, the procedure should be followed in accordance with instruction manual.
13. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
14. The product should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the product; or
    C. The product has been exposed to rain; or
    D. The product does not appear to operate normally or exhibits a marked change in performance; or
    E. The product has been dropped, or the enclosure damaged.
15. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

─────────── For Canada ───────────

For Polarized Attachment Plug

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

─────────── For the U.K. ───────────

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE : NEUTRAL
BROWN : LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

▣Roland

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26055922

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