

Instructions for BEHRINGER BCR2000 & Factory Presets

BEHRINGER BCR2000 FACTORY PRESETS

This document will give you a quick overview about the BEHRINGER BCR2000 FACTORY PRESETS and how to install them.

Please consider these presets merely as a starting point and as inspiration for your own imagination.

Short Overview:

The following files are available for download:

- 01 – BCR Only Controllers -> Single Preset
- 02 – BCR Simple Mixer -> Single Preset
- 03 – BCR GS/XG Control -> Single Preset

- 04 – BCR Reason Subtractor -> Single Preset
- 05 – BCR Reason NN-19 -> Single Preset
- 06 – BCR Reason Malstroem -> Single Preset
- 07 – BCR Reason Dr. Rex -> Single Preset
- 08 – BCR Reason Redrum 1 -> Single Preset
- 09 – BCR Reason Redrum 2 -> Single Preset

- 10 – BCR Groove Agent -> Single Preset
- 11 – BCR Halion -> Single Preset

- 12 – BCR NI Spectral Delay -> Single Preset
- 13 – BCR NI Pro53 -> Single Preset
- 14 – BCR NI X-Press -> Single Preset

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- BCR FACTORY PRESETS -> All Dump Presets
(contains all above-mentioned files in the described order)

Why should I download & dump these files?

If you erased the files by mistake, you can download all factory files step-by-step as 'single dumps' or you can dump them in one step as an 'all dump'.

Installation:

1. Open and extract the ZIP file.

The following files are included:

- This INSTRUCTION text document (pdf)
- SHORT PRESET NAME LIST (.txt)
- 14 SINGLE PRESET files (.syx)
- 1 ALL PRESET file (.syx) called 'bcr_FACTORY_PRESETS'

2. How to get the B-CONTROL PRESET(S) from your computer into your hardware:

- **Connect the B-CONTROL to your computer** via USB or MIDI port (Computer MIDI OUT to B-Control MIDI IN)
- **Select the correct USB or stand alone operating mode** on the hardware (please refer to the manual for details)
- **Open the B-CONTROL preset file of your choice with a MIDI dump program** like "MIDI-OX" or "Send-SX" on your computer or use the B-CONTROL EDIT software editor, which is available free of charge at our homepage www.behringer.com
- Don't forget to **select the correct MIDI ports** in the dump software!

Scenario A:

- Dumping **all presets in one step (ALL DUMP)**
 1. Make sure that the current presets in your B-CONTROL hardware have been saved (e.g. on your computer's hard drive using a MIDI dump program)

If you don't save the internal presets, they will get lost after carrying out the ALL DUMP command!
 2. **Send** the ALL DUMP preset file with the name '**bcr_FACTORY_PRESETS.syx**' from your MIDI dump program to the B-CONTROL.
 3. Wait until the dump is complete; **now, all factory presets are auto-stored to presets 1-14** of the B-CONTROL.

Scenario B:

- Dumping a single preset (**SINGLE DUMP**)
 1. **Select the desired preset** (.e.g. '**bcr_GS_XG_Control.syx**') on your MIDI dump program
 2. **Send the preset** to the B-CONTROL and wait until completion
 3. **Push the STORE** button on the hardware
 4. **Select the desired destination** preset number
 5. **Push the STORE** button again
 6. **The preset is now saved** on your hardware
 7. Now you can dump the next preset (repeat the steps 1 thru 5 again)

Hint: If you do not want to overwrite one of your presets in the B-CONTROL hardware, select a free destination number at step 4 (e.g. preset 'P-32').

Factory Presets – Detailed Documentation

| # | Name | Type | Description/Application |
|----|------------------------|---------------|--|
| 01 | 'bcr_Only_Controllers' | Single Preset | Contains all CC-commands from CC1 to CC 110 on MIDI channel 1 -> Perfect for the LEARN function in your music software studio/instrument/plugin |

Preset Name: BCR - Only Controllers

| | | | | | | | | | |
|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|---------|------------------|
| CC 1 (Ch. 1) | CC 2 (Ch. 1) | CC 3 (Ch. 1) | CC 4 (Ch. 1) | CC 5 (Ch. 1) | CC 6 (Ch. 1) | CC 7 (Ch. 1) | CC 8 (Ch. 1) | E 1-B | FOOTSWITCH (FS1) |
| CC 33 (Ch. 1) | CC 34 (Ch. 1) | CC 35 (Ch. 1) | CC 36 (Ch. 1) | CC 37 (Ch. 1) | CC 38 (Ch. 1) | CC 39 (Ch. 1) | CC 40 (Ch. 1) | b 1-B | CC 109 (Ch. 1) |
| CC 9 (Ch. 1) | CC 10 (Ch. 1) | CC 11 (Ch. 1) | CC 12 (Ch. 1) | CC 13 (Ch. 1) | CC 14 (Ch. 1) | CC 15 (Ch. 1) | CC 16 (Ch. 1) | E 9-1B | FOOTSWITCH (FS2) |
| CC 41 (Ch. 1) | CC 42 (Ch. 1) | CC 43 (Ch. 1) | CC 44 (Ch. 1) | CC 45 (Ch. 1) | CC 46 (Ch. 1) | CC 47 (Ch. 1) | CC 48 (Ch. 1) | b 9-1B | CC 110 (Ch. 1) |
| CC 17 (Ch. 1) | CC 18 (Ch. 1) | CC 19 (Ch. 1) | CC 20 (Ch. 1) | CC 21 (Ch. 1) | CC 22 (Ch. 1) | CC 23 (Ch. 1) | CC 24 (Ch. 1) | E 17-2A | |
| CC 49 (Ch. 1) | CC 50 (Ch. 1) | CC 51 (Ch. 1) | CC 52 (Ch. 1) | CC 53 (Ch. 1) | CC 54 (Ch. 1) | CC 55 (Ch. 1) | CC 56 (Ch. 1) | b 17-2A | |
| CC 25 (Ch. 1) | CC 26 (Ch. 1) | CC 27 (Ch. 1) | CC 28 (Ch. 1) | CC 29 (Ch. 1) | CC 30 (Ch. 1) | CC 31 (Ch. 1) | CC 32 (Ch. 1) | E 25-32 | |
| CC 57 (Ch. 1) | CC 58 (Ch. 1) | CC 59 (Ch. 1) | CC 60 (Ch. 1) | CC 61 (Ch. 1) | CC 62 (Ch. 1) | CC 63 (Ch. 1) | CC 64 (Ch. 1) | b 25-32 | |
| CC 65 (Ch. 1) | CC 66 (Ch. 1) | CC 67 (Ch. 1) | CC 68 (Ch. 1) | CC 69 (Ch. 1) | CC 70 (Ch. 1) | CC 71 (Ch. 1) | CC 72 (Ch. 1) | b 33-40 | E1 E2 |
| CC 73 (Ch. 1) | CC 74 (Ch. 1) | CC 75 (Ch. 1) | CC 76 (Ch. 1) | CC 77 (Ch. 1) | CC 78 (Ch. 1) | CC 79 (Ch. 1) | CC 80 (Ch. 1) | b 41-48 | E3 E4 |
| CC 81 (Ch. 1) | CC 82 (Ch. 1) | CC 83 (Ch. 1) | CC 84 (Ch. 1) | CC 85 (Ch. 1) | CC 86 (Ch. 1) | CC 87 (Ch. 1) | CC 88 (Ch. 1) | | |
| CC 89 (Ch. 1) | CC 90 (Ch. 1) | CC 91 (Ch. 1) | CC 92 (Ch. 1) | CC 93 (Ch. 1) | CC 94 (Ch. 1) | CC 95 (Ch. 1) | CC 96 (Ch. 1) | | |
| CC 97 (Ch. 1) | CC 98 (Ch. 1) | CC 99 (Ch. 1) | CC 100 (Ch. 1) | CC 101 (Ch. 1) | CC 102 (Ch. 1) | CC 103 (Ch. 1) | CC 104 (Ch. 1) | | |
| CC 105 (Ch. 1) | CC 106 (Ch. 1) | | | | | | | | |
| CC 107 (Ch. 1) | CC 108 (Ch. 1) | | | | | | | | |

*Please consider this preset as a starting point
for creating your own edits/alignments.*

| # | Name | Type | Description/Application |
|----|--------------------|---------------|---|
| 02 | 'bcr_Simple_Mixer' | Single Preset | Assignment for a simple mixer control (ch. 1-8) with standard CC-commands + MMC control buttons + direct program change buttons (ch. 11) for an additional sound module or effect plug-in |

Preset Name: BCR - Simple Mixer

The screenshot displays the B-Control 2000 interface with the following sections:

- Channel Grid:**
 - Pan:** Channels 1-8 (Prg. Chg. 17-24)
 - Balance:** Channels 1-8 (Prg. Chg. 25-32)
 - FX 1:** Channels 1-8 (Prg. Chg. 33-40)
 - FX 2:** Channels 1-8 (Prg. Chg. 41-48)
 - Program Change (Ch. 11):** Channels 1-8 (Prg. Chg. 9-16 and 1-8)
 - EQ 2:** Channels 1-8 (E 33-40)
 - EQ 1:** Channels 1-8 (E 41-48)
 - Volume:** Channels 1-8 (E 49-56)
- FOOTSWITCH:** MMC Punch In (FS 1), MMC Punch Out (FS 2)
- B-CENTRAL FACTORY:** STOP, LOAF, LOCATE 0, FWD, STOP, PLAY buttons.

Please consider this preset as a starting point for creating your own edits/alignments.

| # | Name | Type | Description/Application |
|----|---------------------|---------------|--|
| 03 | 'bcr_GS_XG_Control' | Single Preset | <p>Basic Setup for controlling a GM/GS/XG sound module:</p> <p>Enc. Group 1+2 (turn) -> sound edit (ch. 1) Enc. Group 3 (turn) -> pan (ch. 1-8) Enc. Group 4 (turn) -> progr. change (ch. 1-8)</p> <p>Enc. Group 1-4 (push) -> MIDI notes E2 to B4 (ch. 1)</p> <p>2 button lines -> Drum Notes Triggering (ch. 10)</p> <p>Encoder row 1+2 -> volume (ch. 1-16) Encoder row 3 -> drum sound edit (ch. 10)</p> <p>4 front buttons (right) -> Bank select (0-3)</p> <p>Foot switches: Sustain + Soft Pedal (ch. 1)</p> |

Preset Name: BCR - GS/XG-Control

FOOTSWITCH

- FS1: Sustain (Ch. 1)
- FS2: Soft Ped. (Ch. 1)

ENCODER GROUPS

- E1, E2, E3, E4

PARAMETER GRID

| | | | | | | | |
|---------------------|----------------------|----------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| Pan (Ch. 1) | Rev. Send (Ch. 1) | Chor. Send (Ch. 1) | Vari. Send (Ch. 1) | Porta. Time (Ch. 1) | Modulation (Ch. 1) | Pitch Bend (Ch. 1) | Reset All (Ch. 1) |
| Note 52: E2 (Ch. 1) | Note 53: F2 (Ch. 1) | F#2 (Ch. 1) | G2 (Ch. 1) | G#2 (Ch. 1) | A2 (Ch. 1) | A#2 (Ch. 1) | B2 (Ch. 1) |
| Cutoff (Ch. 1) | Resonance (Ch. 1) | Vibrato Rate (Ch. 1) | Vib. Depth (Ch. 1) | Vib. Delay (Ch. 1) | EG Attack (Ch. 1) | EG Delay (Ch. 1) | EG Release (Ch. 1) |
| Note 50: C3 (Ch. 1) | Note 51: C#3 (Ch. 1) | D3 (Ch. 1) | D#3 (Ch. 1) | E3 (Ch. 1) | F3 (Ch. 1) | F#3 (Ch. 1) | G3 (Ch. 1) |
| Pan (Ch. 1) | Pan (Ch. 2) | Pan (Ch. 3) | Pan (Ch. 4) | Pan (Ch. 5) | Pan (Ch. 6) | Pan (Ch. 7) | Pan (Ch. 8) |
| G#3 (Ch. 1) | A3 (Ch. 1) | A#3 (Ch. 1) | B3 (Ch. 1) | C4 (Ch. 1) | C#4 (Ch. 1) | D4 (Ch. 1) | D#4 (Ch. 1) |
| Prg. Chg. (Ch. 1) | Prg. Chg. (Ch. 2) | Prg. Chg. (Ch. 3) | Prg. Chg. (Ch. 4) | Prg. Chg. (Ch. 5) | Prg. Chg. (Ch. 6) | Prg. Chg. (Ch. 7) | Prg. Chg. (Ch. 8) |
| E4 (Ch. 1) | F4 (Ch. 1) | F#4 (Ch. 1) | G4 (Ch. 1) | G#4 (Ch. 1) | A4 (Ch. 1) | A#4 (Ch. 1) | B4 (Ch. 1) |

DRUM SOUNDS

| | | | | | | | |
|----------------------|--------------------|----------------|-------------------|-------------------|--------------------|--------------------|-------------------|
| BD2 Note 35 (Ch. 10) | Sidestick (Ch. 10) | Claps (Ch. 10) | Conga L. (Ch. 10) | Conga M. (Ch. 10) | Conga H. (Ch. 10) | Tambour. (Ch. 10) | Ride CY (Ch. 10) |
| BD1 (Ch. 10) | SD1 (Ch. 10) | SD2 (Ch. 10) | Tom 1 (Ch. 10) | Tom 2 (Ch. 10) | HH closed (Ch. 10) | HH opened (Ch. 10) | Crash CY (Ch. 10) |

VOLUME CONTROL

| | | | | | | | |
|----------------|--------------------|---------------------|--------------------|-------------------|-----------------|--------------------|---------------------|
| Pan (Ch. 10) | Rev. Send (Ch. 10) | Chor. Send (Ch. 10) | EG Attack (Ch. 10) | EG Decay (Ch. 10) | Cutoff (Ch. 10) | Resonance (Ch. 10) | Pitch Bend (Ch. 10) |
| Volume (Ch. 9) | Volume (Ch. 10) | Volume (Ch. 11) | Volume (Ch. 12) | Volume (Ch. 13) | Volume (Ch. 14) | Volume (Ch. 15) | Volume (Ch. 16) |
| Volume (Ch. 1) | Volume (Ch. 2) | Volume (Ch. 3) | Volume (Ch. 4) | Volume (Ch. 5) | Volume (Ch. 6) | Volume (Ch. 7) | Volume (Ch. 8) |

B-CONTROL FOOTPRINT

Bank 0 Select (Ch. 1), Bank 1 Select (Ch. 1), Bank 2 Select (Ch. 1), Bank 3 Select (Ch. 1)

USB MIDI CONTROLLER

Please consider this preset as a starting point for creating your own edits/alignments.

| # | Name | Type | Description/Application |
|----|-------------------------|---------------|---|
| 04 | 'bcr_Reason_Subtractor' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'Subtractor' * [polyphonic synthesizer] |

Preset Name: BCR - REASON - Subtractor

OSC1 Mode | OSC1 Waveform | OSC1 Oct | OSC1 Semi | OSC1 Cent | OSC1 Kbd Track | Mod Env invert | Mod Env Dest

OSC2 Mode | OSC2 Waveform | OSC2 Oct | OSC2 Semi | OSC2 Cent | OSC2 Kbd Track | Ring Mod | Filter Env invert

LFO1 Rate | LFO1 Amount | Fil. 1 Kbd | LFO2 Rate | LFO2 Amount | LFO2 Kbd | LFO2 Del. | Level

LFO1 Sync | LFO1 Waveform | LFO1 Dest | LFO2 Dest

Filter 1 Freq | Filter 1 Res | Filter 1 Kbd | Filter 2 Freq | Filter 2 Res | Level

Filter 1 Type | Link > Filter2 | Filter 2 On/Off

Mod Env A | Mod Env D | Mod Env S | Mod Env R | Amt | Filter Env Amt | Vel Amp

Filt Env A | Filt Env D | Filt Env S | Filt Env R | Amp Env A | Amp Env D | Amp Env S | Amp Env R

FM +/- | M.Env +/- | Phase +/- | Freq2 +/- | F.Env +/- | F.Dec +/- | Mix +/- | A.Atk +/-

FOOTSWITCH (FS1, FS2)

ENCODER GROUPS (E1, E2, E3, E4)

B-CENTRO 4000 ROTARY (SC20000)

USB/MIDI CONTROLLER

OSC 1 | Phase | Wave | Mode | Kbd Track

OSC 2 | Phase | Wave | Mode | Kbd Track

Noise | Decay | Color | Level

LFO 1 | Sync | Rate | Amount

LFO 2 | Sync | Rate | Amount

Filter 1 | Link | Filter 2 | Freq Res | LP 12 | LP 24 | Type Kbd | Freq Res | Level

Mod Envelope | Osc 1 | Osc 2 | Mix | FM | Phase | Freq 2

Filter Envelope | A | D | S | R | Amt

Amp Envelope | A | D | S | R | Amt

Velocity | Amp | Env | Phase

ENCODER GROUPS (E1, E2, E3, E4)

FOOTSWITCH (FS1, FS2)

USB/MIDI CONTROLLER

E1 – Encoder Group 1 (Left Section, Level)

E2 – Encoder Group 2 (Wheels, Noise, Level)

E3 – Encoder Group 3 (LFO 1+2)

E4 – Encoder Group 4 (Filter 1+2, Level)

UB – Upper Button Line (Osc 1)

LB – Lower Button Line (Osc 2)

UE – Upper Encoder Line (Mod Env.)

ME – Middle Encoder Line (Filter + Amp Env.)

LE – Lower Encoder Line (Velocity)

| # | Name | Type | Description/Application |
|----|--------------------|---------------|--|
| 05 | 'bcr_Reason_NN-19' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'NN-19' * [digital sampler] |

Preset Name: BCR - REASON - NN-19

E1 – Encoder Group 1 (Left Section, Controller, Amp Level)
E2 – Encoder Group 2 (Mod. Wheel, Amp Level)
E3 – Encoder Group 3 (Oscillator, Amp Level)
E4 – Encoder Group 4 (-)

UB – Upper Button Line (-)
LB – Lower Button Line (Filter, LFO)
UE – Upper Encoder Line (Velocity, LFO)
ME – Middle Encoder Line (Filter)
LE – Lower Encoder Line (Amp)

| # | Name | Type | Description/Application |
|----|-----------------------|---------------|--|
| 06 | 'bcr_Reason_Malstrom' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'Malstrom' * [grainable synthesizer] |

Preset Name: BCR - REASON - Malstrom

- E1 – Encoder Group 1 (Left Section, Velocity)
- E2 – Encoder Group 2 (Mod. Wheel, Mod. A)
- E3 – Encoder Group 3 (Mod. B, Shaper, Main)
- E4 – Encoder Group 4 (Filter A, Filter B, Filter Env.)

- UB – Upper Button Line (On/Off Switches)
- LB – Lower Button Line (Osc. Switches)
- UE – Upper Encoder Line (Osc. A+B – I)
- ME – Middle Encoder Line (Osc. A+B – II)
- LE – Lower Encoder Line (Osc. A+B – III > Envelopes)

| # | Name | Type | Description/Application |
|----|---------------------|---------------|---|
| 07 | 'bcr_Reason_Dr_Rex' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'Dr. Rex' * [loop player] |

Preset Name: BCR - REASON - Dr. Rex

| | | | | | | | | | | |
|----|-------------------|----------------|------------------|----------------|------------------|--------------|-------------|-------------|---------------|---|
| | Modwheel F.Freq | Modwheel F.Res | Modwheel F.Decay | Velocity F.Env | Velocity F.Decay | Velocity Amp | Pitch Range | Amp Level | E1-B | FOOTSWITCH F51 F52 |
| | | | | | | | | | b1-B | |
| | | | | | | | | | E9-1B | |
| | | | | | | | | | b9-1B | |
| | | | | | | | | | E17-24 | P-7 ENCODER GROUPS E1 E2 E3 E4 B-CONTROL ROTARY SCR2000 USB/MIDI CONTROLLER |
| | | | | | | | | | b17-24 | |
| | | | | | | | | | E25-32 | |
| | | | | | | | | | b25-32 | |
| UB | | | | | | | LFO Sync | LFO Dest | Filter on/off | b33-40 |
| LB | | | | | | | | | | b41-4B |
| UE | Keyb | OSC Pitch | OSC Fine | Env. Amount | | | | | | |
| ME | Filter Env Amount | A | D | S | R | Filter Freq | Filter Res | Filter Mode | | |
| LE | Amp Env. | A | D | S | R | LFO Waveform | LFO Rate | LFO Amount | | |



- E1 – Encoder Group 1 (Mod. Wheel + Velocity)
- E2 – Encoder Group 2 (-)
- E3 – Encoder Group 3 (-)
- E4 – Encoder Group 4 (-)
- UB – Upper Button Line (-)
- LB – Lower Button Line (LFO- + Filter-Switches)
- UE – Upper Encoder Line (Osc. Pitch)
- ME – Middle Encoder Line (Filter + Filter Env.)
- LE – Lower Encoder Line (LFO + Amp Env.)

| # | Name | Type | Description/Application |
|----|-----------------------|---------------|--|
| 08 | 'bcr_Reason_Redrum_1' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'Redrum' * [drum machine] -> Preset (1) = Ch. 1-8 |

Preset Name: BCR - REASON - Redrum (1)

UB
LB
UE
ME
LE

FOOTSWITCH
FS1
FS2

P-8

B-CONTROL
BCR2000
USB MIDI CONTROLLER

E1 – Encoder Group 1 (Level+Rate)

E2 – Encoder Group 2 (Pan+Bend)

E3 – Encoder Group 3 (S1)

E4 – Encoder Group 4 (S2)

UB – Upper Button Line (Vel. to Level)

LB – Lower Button Line (Vel. to Tone/Rate/Start)

UE – Upper Encoder Line (Length)

ME – Middle Encoder Line (Pitch)

LE – Lower Encoder Line (Tone/Rate/Start)

| # | Name | Type | Description/Application |
|----|-----------------------|---------------|---|
| 09 | 'bcr_Reason_Redrum_2' | Single Preset | Basic Setup for controlling Propellerhead®'s REASON 'Redrum' * [drum machine] -> Preset (2) = Ch. 9-10 + Master |

Preset Name:

BCR - REASON - Redrum (2)

The screenshot shows the B-Control Factory software interface for the 'BCR - REASON - Redrum (2)' preset. The interface is organized into several sections:

- Encoder Groups (E1-E4):** Located on the left side, these control various parameters:
 - E1: Level (Ch. 9), Level (Ch. 10), Master Level, Pattern on/off
 - E2: Pan (Ch. 9), Pan (Ch. 10)
 - E3: S1 (Ch. 9), S1 (Ch. 10)
 - E4: S2 (Ch. 9), S2 (Ch. 10)
- Button Lines (UB, LB):** Located on the left side, these control velocity-based parameters:
 - UB: Vel. to Level (Ch. 9), Vel. to Level (Ch. 10), Pattern up
 - LB: Vel. to Start (Ch. 9), Vel. to Tone (Ch. 10), Pattern down
- Encoder Lines (UE, ME, LE):** Located on the left side, these control specific parameters:
 - UE: Length (Ch. 9), Length (Ch. 10), Flam
 - ME: Pitch (Ch. 9), Pitch (Ch. 10)
 - LE: Start (Ch. 9), Tone (Ch. 10)
- Right Panel:** Contains various control elements including a 'FOOTSWITCH' section with FS1 and FS2 buttons, a 'P-9' display, and a 'B-CONTROL FACTORY' section with buttons for 'FINE', 'COARSE', 'L-PAN-R', and 'L-PAN-L'. There are also buttons for 'E1', 'E2', 'E3', and 'E4'.

The screenshot shows a detailed view of the B-Control Factory software interface, specifically the drum machine pattern editor. The interface is organized into several sections:

- Pattern Editor:** A large grid showing the drum machine pattern with columns for steps and rows for different drum sounds.
- Master Level:** A knob at the top left for adjusting the master level.
- Encoder Groups (E1-E4):** Located on the right side, these control various parameters:
 - E1: Level, Length, Pitch, Start
 - E2: Pan, Length, Pitch, Tone
 - E3: Length, Pitch, Start
 - E4: Length, Pitch, Tone
- Button Lines (UB, LB):** Located on the right side, these control velocity-based parameters:
 - UB: Vel. to Level, Length, Pitch, Start
 - LB: Vel. to Tone, Length, Pitch, Tone
- Encoder Lines (UE, ME, LE):** Located on the right side, these control specific parameters:
 - UE: Length, Flam
 - ME: Pitch
 - LE: Start, Tone
- Bottom Panel:** Contains various control elements including a 'PATTERN' section with buttons for 'A', 'B', 'C', 'D', a 'RUN' button, and a 'RESOLUTION' knob. There are also buttons for 'HARD', 'MEDIUM', and 'SOFT'.

- E1 – Encoder Group 1 (Level, Patt. On/Off)
- E2 – Encoder Group 2 (Pan)
- E3 – Encoder Group 3 (S1)
- E4 – Encoder Group 4 (S2)

- UB – Upper Button Line (Vel. to Level, Patt. up)
- LB – Lower Button Line (Vel. to Tone/Rate/Start, Patt. down)
- UE – Upper Encoder Line (Length, Flam)
- ME – Middle Encoder Line (Pitch)
- LE – Lower Encoder Line (Start/Tone)

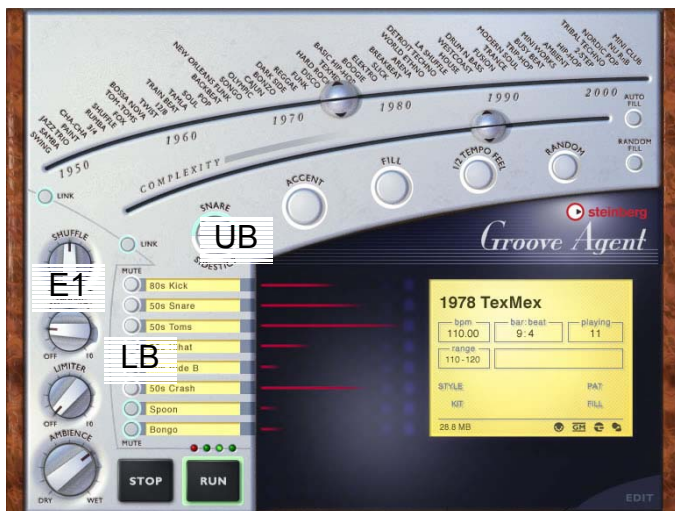
| # | Name | Type | Description/Application |
|----|--------------------|---------------|---|
| 10 | 'bcr_Groove_Agent' | Single Preset | Basic Setup for controlling Steinberg®'s 'Groove Agent' * VST-instrument [drum groove player] |

Preset Name:

The screenshot shows the Steinberg Groove Agent software interface. On the left, there are four vertical encoder groups labeled E1, E2, E3, and E4. The main interface is divided into several sections:

- Top Section:** Shuffle, Humanize, Ambience, Program Change, Overall Volume.
- Second Section:** Vel. Offset (Ch. 1), Tune (Ch. 1), Decay (Ch. 1), Ambience (Ch. 1), Vel. Offset (Ch. 2), Tune (Ch. 2), Decay (Ch. 2), Ambience (Ch. 2).
- Third Section:** Volume (Ch. 1) through Volume (Ch. 8).
- Fourth Section:** Snare/Sidestick Selection, Half Tempo Feel, Vintage On/Off, and Mute (Ch. 1) through Mute (Ch. 8).
- Fifth Section:** Vel. Offset (Ch. 3) through Ambience (Ch. 4), Vel. Offset (Ch. 5) through Ambience (Ch. 6), and Vel. Offset (Ch. 7) through Ambience (Ch. 8).

On the right side, there is a FOOTSWITCH section with buttons labeled FS1 and FS2, and a P-10 section with buttons E1, E2, E3, and E4. At the bottom right, there is a B-CONTROL FOOTSWITCH section with buttons for STAY, DOWN, and UP, and a USB/MIDI CONTROLLER section.



- E1 – Encoder Group 1 (Main Parameters)
- E2 – Encoder Group 2 (Ch. 1+2 Parameters)
- E3 – Encoder Group 3 (Ch. 1-8 Volumes)
- E4 – Encoder Group 4 (-)
- UB – Upper Button Line (Various Parameters)
- LB – Lower Button Line (Ch. 1-8 Mute)
- UE – Upper Encoder Line (Ch. 3+4 Parameters)
- ME – Middle Encoder Line (Ch. 5+6 Parameters)
- LE – Lower Encoder Line (Ch. 7+8 Parameters)

| # | Name | Type | Description/Application |
|----|--------------|---------------|--|
| 11 | 'bcr_Halion' | Single Preset | Basic Setup for controlling Steinberg®'s 'HALion' * VST-instrument [sound sampler] |

Preset Name: BCR - Halion

The diagram shows the BCR-2000 MIDI controller interface with the following labeled sections:

- UB (Upper Button Line):** Located at the top, containing a 12/24 dB Lowpass filter switch.
- LB (Lower Button Line):** Located below the UB, containing four buttons labeled E1, E2, E3, and E4.
- UE (Upper Encoder Line):** A row of seven encoders for Filter Cutoff, Resonance, Filter Env. Amount, Filter Env. Attack, Filter Env. Decay, Filter Env. Sustain, and Filter Env. Release.
- ME (Middle Encoder Line):** A row of seven encoders for Amp Amount, Amp Velocity Amount, Amp Env. Attack, Amp Env. Decay, Amp Env. Sustain, and Amp Env. Release.
- LE (Lower Encoder Line):** A row of seven encoders for Octave, Semitone (Coarse), Fine Tune (Cent), Glide, Sample Volume, and Spread.
- FOOTSWITCH:** Two footswitches labeled FS1 and FS2.
- B-CONTROL PROXY:** A section with four buttons labeled E1, E2, E3, and E4.
- USB MIDI CONTROLLER:** A section with four buttons labeled E1, E2, E3, and E4.

The screenshot shows the HALion VST instrument software interface with the following labeled sections:

- E1:** Program Change button.
- UB:** Upper Button Line (12/24 dB Lowpass Switch).
- UE:** Upper Encoder Line (Filter + Filter Env.).
- ME:** Middle Encoder Line (Amp + Amp Env.).
- LE:** Lower Encoder Line (Tune + Main).

- E1 – Encoder Group 1 (Program Change)
- E2 – Encoder Group 2 (-)
- E3 – Encoder Group 3 (-)
- E4 – Encoder Group 4 (-)

- UB – Upper Button Line (12/24 dB Lowpass Switch)
- LB – Lower Button Line (-)
- UE – Upper Encoder Line (Filter + Filter Env.)
- ME – Middle Encoder Line (Amp + Amp Env.)
- LE – Lower Encoder Line (Tune + Main)

| # | Name | Type | Description/Application |
|----|-------------------------|---------------|---|
| 12 | 'bcr_NI_Spectral_Delay' | Single Preset | Basic Setup for controlling Native Instruments® 'Spektral Delay' * VST effect plug-in [delay] |

Preset Name:

- E1 – Encoder Group 1 (Main, LFO 1-3)
- E2 – Encoder Group 2 (Matrix X-Positions)
- E3 – Encoder Group 3 (-)
- E4 – Encoder Group 4 (-)

- UB – Upper Button Line (Mute, Bypass)
- LB – Lower Button Line (Freeze)
- UE – Upper Encoder Line (Mod. Par. 1/4, Matrix Control)
- ME – Middle Encoder Line (Mod. Par. 2/5, Matrix Y-Positions)
- LE – Lower Encoder Line (Mod. Par. 3/6)

| # | Name | Type | Description/Application |
|----|----------------|---------------|--|
| 13 | 'bcr_NI_Pro53' | Single Preset | Basic Setup for controlling Native Instruments® 'PRO-53' * VST instrument [virtual analog synth] |

Preset Name:

The screenshot shows the NI PRO-53 VST interface with various control parameters and encoder/button assignments. The interface is divided into several sections:

- Encoder Groups (E1-E4):**
 - E1:** Poly Mod Filt. Env., Poly Mod OSC B, Osc A Freq, Osc A PW, Prg. Change, Channel Volume (II)
 - E2:** Poly Mod Freq A, Poly Mod PWA, Poly Mod Filt, Osc A Shape Saw, Osc A Shape Square, Osc A Sync
 - E3:** Osc B Freq, Osc B Fine, Osc B Shape Square, Lo Freq, Kbd, Mixer Osc A, Mixer Osc B, Mixer Noise
 - E4:** LFO Freq, LFO Midi, LFO Shape Saw, LFO Shape Sine, LFO Shape Square, (Wheel Mod Freq A), Wheel Mod LFO Noise, (Wheel Mod LFO Noise)
- Buttons (UB, LB):**
 - UB:** b33-40, b41-48
 - LB:** b33-40, b41-48
- Encoder Lines (UE, ME, LE):**
 - UE:** Filter Cutoff, Filter Reso, Filter Env Amt, Filter Kbd, Delay Time, Delay Spread, Delay Depth, Delay Rate
 - ME:** Filter Attack, Filter Decay, Filter Sustain, Filter Release, Delay FDbck, Delay Lo Cut, Delay Hi Cut, Delay Wet
 - LE:** Amp Attack, Amp Decay, Amp Sustain, Amp Release, Glide, Analog, Tune, Channel Volume
- Other Controls:** FOOTSWITCH (FS1, FS2), B-CONTROL ROTARY, BCF2000, USB MIDI CONTROLLER.



- E1 – Encoder Group 1 (Poly-Mod., Osc. A, Main Param.)
- E2 – Encoder Group 2 (Osc. B, Mixer)
- E3 – Encoder Group 3 (LFO)
- E4 – Encoder Group 4 (Wheel-Mod.)
- UB – Upper Button Line (-)
- LB – Lower Button Line (-)
- UE – Upper Encoder Line (Filter, Delay)
- ME – Middle Encoder Line (Filter Env., Delay)
- LE – Lower Encoder Line (Amp Env., Main Param.)

| # | Name | Type | Description/Application |
|----|------------------|---------------|---|
| 14 | 'bcr_NI_X-Press' | Single Preset | Basic Setup for controlling Native Instruments® 'XPRESS Keyboards' * 3 VST instruments at once [VA synth Pro53, FM synth FM7, organ B4] |

Preset Name: BCR - NI - XPRESS KEYBOARDS

FOOTSWITCH

E 1-B FS1
b 1-B
E 9-1B FS2
b 9-1B

E 17-24
b 17-24
E 25-32
b 25-32

P- 14

b 33-40 E1 E2
b 41-48 E3 E4

B-CONTROL ROTARY BCR2000

TRIG LAMB
LMB LMB

b 49-50

USB MIDI CONTROLLER

CC Assignments:

| | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CC71 (Ch. 1) | CC76 (Ch. 1) | CC73 (Ch. 1) | CC75 (Ch. 1) | CC72 (Ch. 1) | CC12 (Ch. 1) | CC10 (Ch. 1) | CC07 (Ch. 1) |
| CC71 (Ch. 1) | CC74 (Ch. 1) | CC73 (Ch. 1) | CC75 (Ch. 1) | CC72 (Ch. 1) | CC12 (Ch. 1) | CC10 (Ch. 1) | CC07 (Ch. 1) |
| CC74 (Ch. 1) | CC71 (Ch. 1) | CC70 (Ch. 1) | CC73 (Ch. 1) | CC75 (Ch. 1) | CC12 (Ch. 1) | CC10 (Ch. 1) | CC07 (Ch. 1) |



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