

MIDI Specification

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KNOBBS:	CC#	Value Range
Type encoder	19	0-11
Value encoder	20	0-1
Decay	17	0-127
Pre-Delay	18	0-127
Mix	15	0-127
Tone	3	0-127
Param 1	9	0-127
Param 2	16	0-127
Mod	14	0-127

PARAMETERS:	CC#	Value Range
Boost	23	0-60
Persist	22	0-1
ROOM - Low End	61	0-20
ROOM - Size	59	0-1
ROOM - Diffusion	58	0-20
HALL - Low End	39	0-20
HALL - Size	40	0-1
HALL - Mid	42	0-20
PLATE - Low End	69	0-20
PLATE - Size	68	0-1
SPRING - Low End	64	0-20
SPRING - Dwell	63	0-3
SPRING - # Springs	62	0-2
SWELL - Low End	65	0-20
SWELL - Rise	66	0-22
SWELL - Mode	67	0-1
BLOOM - Low End	31	0-20
BLOOM - Length	32	0-17
BLOOM - Feedback	30	0-17
CLOUD - Low End	38	0-20
CLOUD - Diffusion	37	0-20
CHORALE - Vowel	33	0-6
CHORALE - Reso	34	0-2
SHIMMER - Shift 1	25	0-27
SHIMMER - Shift 2	26	0-28
SHIMMER - Amount	27	0-18
SHIMMER - Mode	28	0-2
SHIMMER - Low End	24	0-20
MAGNETO - Low End	55	0-20
MAGNETO - Diffusion	56	0-20
MAGNETO - Heads	57	0-2
MAGNETO - Spacing	54	0-1
NONLINEAR - Low End	44	0-20
NONLINEAR - Shape	46	0-5
NONLINEAR - Diffusion	45	0-20
NONLINEAR - Late Decay	47	0-17
NONLINEAR - Late Level	48	0-18
NONLINEAR - Mod Speed	43	0-17
REFLECTIONS - Low End	52	0-20
REFLECTIONS - Loc Y	50	0-6
REFLECTIONS - Loc X	49	0-6
REFLECTIONS - Shape	51	0-2

MIDI Patch changes:

BigSky presets are arranged in 100 banks of 3 each for a total of 300 presets. MIDI access is available as MIDI program change messages. Via MIDI, the presets are numbered sequentially, for example:

- BANK 0A = MIDI program # 0
- BANK 0B = MIDI program # 1
- BANK 0C = MIDI program # 2
- BANK 1A = MIDI program # 3
- BANK 1B = MIDI program # 4
- BANK 1C = MIDI program # 5
- etc ...

To access presets 0-127 via MIDI, send regular program change messages as shown above.

To access 128 to 255, first send a MIDI Patch Bank message (CC# 0) with a value of 1, then the program change message.

To access 256 to 299, send MIDI Patch Bank message (CC# 0) with a value of 2, then the program change message.

Other MIDI CC numbers:

	CC#	Value Range
A footswitch	80	down=0 up=127
B footswitch	82	down=0 up=127
C footswitch	81	down=0 up=127
Press/Hold switch	97	off=0 on=127
Remote TAP	93	any
Expression Pedal	100	0-127
Bypass	102	byp=0 eng=127

MIDI Patch Bank 0 0-2
 Send a 0 value to access presets 0 to 127.
 Send a 1 value to access presets 128 to 255.
 Send a 2 value to access presets 256-299.