

MIDI Parameter Details

Parameter	CC#	Range	Value	Description
Reverb Engine A	1	0-13		Selects and loads reverb engines into A
			0	Room
			1	Hall
			2	E-Dome
			3	True Spring
			4	Plate
			5	Lo-Fi
			6	Modverb
			7	Shimmer
			8	Echoverb
			9	Swell
			10	Offspring
			11	Reverse
			12	Outboard Spring
			13	Metal Box
Time A	2	0-127		Sets min and max delay times
Mix A	3	0-127		Sets the wet/dry mix - 50/50 point at approx. 95
Pre-Delay A	4	0-127		Sets Pre-Delay A
Treble A	5	0-127		Sets Treble A
Output A	6	0-127		Sets Output A
Bass A	7	0-127		Sets Bass A
Diffusion A	8	0-127		Sets Diffusion A
Modulation Depth A	9	0-127		Sets Modulation Depth A
Modulation Rate A	10	0-127		Sets Modulation Rate A
Pre-Delay Feedback A	11	0-127		Sets Pre-Delay Feedback A
Pre-Delay Mod Depth	12	0-127		Sets Pre-Delay Mod Depth
Size A	13	0-max (engine dependent)		Examples: True Spring has 6 sizes, hall has 5, Echoverb has 1
				See Desktop Editor for size option list
Input Low Cut A	14	0-7	0	Offspring
			1	20Hz
			2	100Hz
			3	125Hz
			4	150Hz

			5	200Hz
			6	250Hz
			7	Default Setting
Engine Param 1 A	15	0-127	See chart below for details	
Engine Param 2 A	16	0-127	See chart below for details	
Engine Param 3 A	17	0-127	See chart below for details	
Engine Param 4 A	18	0-127	See chart below for details	
Engine Param 5 A	19	0-127	See chart below for details	
Engine Special Control A	20	0-127	See chart below for details	
Reverb Engine B	25	0-13	Selects and loads reverb engines into B	
			0	Romm
			1	Hall
			2	E-Dome
			3	True Spring
			4	Plate
			5	Lo-Fi
			6	Modverb
			7	Shimmer
			8	Echoverb
			9	Swell
			10	Offspring
			11	Reverse
			12	Outboard Spring
			13	Metal Box
Time B	26	0-127	Sets min and max delay times	
Mix B	27	0-127	Sets the wet/dry mix - 50/50 point at approx. 95	
Pre-Delay B	28	0-127	Sets Pre-Delay B	
Treble B	29	0-127	Sets Treble B	
Output B	30	0-127	Sets Output B	
Bass B	31	0-127	Sets Bass B	
Diffusion B	32	0-127	Sets Diffusion B	
Modulation Depth B	33	0-127	Sets Modulation Depth B	
Modulation Rate B	34	0-127	Sets Modulation Rate B	
Pre-Delay Feedback B	35	0-127	Sets Pre-Delay Feedback B	
Pre-Delay Mod Depth B	36	0-127	Sets Pre-Delay Mod Depth B	

Size B	37	0-max (engine dependent)	Examples: True Spring has 6 sizes, hall has 5, Echoverb has 1
			See Desktop Editor for size option list
Input Low Cut B	38	0-7	0 Offspring
			1 20Hz
			2 100Hz
			3 125Hz
			4 150Hz
			5 200Hz
			6 250Hz
			7 Default Setting
Engine Param 1 B	39	0-127	See chart below for details
Engine Param 2 B	40	0-127	See chart below for details
Engine Param 3 B	41	0-127	See chart below for details
Engine Param 4 B	42	0-127	See chart below for details
Engine Param 5 B	43	0-127	See chart below for details
Engine Special Control B	44	0-127	See chart below for details
Dual/Single Mode	50	0-3	0 Selects Reverb A
		(note, no spillover)	1 Selects Reverb B
			2 Selects A&B Parallel
			3 Selects A&B Cascade
I/O Routing Option	53	0-7	0 Auto-detect
			1 Mono in - Stereo Out
			2 Stereo In - Stereo Out
			3 Mono In - Mono Out - Dry out 2
			4 Stereo In - Wet Sum to Mono
			5 Dual Mono - Independent Stereo
			6 Mono In - Independent Stereo Out
			7 Pre-Processing External Loop
Reverb Send	54	0-127	Sets the level being sent into the reverb
A/B Crossfade	55	0-127	Fade from all A Reverb to all B Reverb (Dual Only)
Preset Decrement	80	any	
Preset Increment	82	any	
Remote Tap Tempo	93	any	Same as tapping the OPTION footswitch
Remote Expression	100	0-127	Overrides all expression inputs
Bypass/Engage	101	0-127	0-64 Bypass, 65-127 - Engage

Toggle Bypass/Engage	102	any		
Recall Preset - Bypass	103	0-127	Recalls any preset in Bypass	
Recall Preset - Engage	104	0-127	Recalls any preset Engaged	

Engine Specific Parameters: CC values 15 through 20 and 39 through 44 change depending on the selected engine. The table below is a guide to the CC values for each Engine Specific Parameter.

ENGINE	ENGINE PARAM 1	ENGINE PARAM 2	ENGINE PARAM 3	ENGINE PARAM 4	ENGINE PARAM 5	ENGINE SPECIAL CONTROLS
ROOM	Pre-Delay Feedback High Cut	Pre- Delay Feedback Low Cut	Early Reflections Level	Reverb Level	Early/Reverb Crossfade	
HALL-L	Diffusion Modulation Depth					
E-DOME	Pre-Delay Feedback High Cut	Pre- Delay Feedback Low Cut	Early Reflections Level	Reverb Level	Early/Reverb Crossfade	
TRUE SPRING						
PLATE	Metallic Mix	Reverb Level	Early Reflections Level			
LO-FI	Distortion (Drive)	Quantize (0-9 knob mapped)	Sample Rate Reduction	Destruct/Clean Mix	Destruct High Cut	Modulation Noise Depth
MODVERB	Tremolo Depth	Tremolo Rate	Tremolo Shape (0-4 knob mapped)	Termolo Options (0-7 knob mapped)	Tremolo Stereo Spread	
SHIMMER	Pitch Shift/Normal Crossfade	Pitch Shift Modulation		Pitch Interval (0-26 no mapping)	Pitch Feedback (Regen)	
ECHOVERB	Pre-Delay Feedback High Cut	Pre- Delay Feedback Low Cut	Early Reflections	Reverb Level	Early/Reverb Crossfade	
SWELL	Envelope Gain	Swell Time	Swell Send Signal	Swell Dry Signal		
OFFSPRING	Master Offset	Master Pre-Delay	Early Reflections	Reverb Level		
REVERSE	Delay Curve Shape (0- 5 knob mapped)	Curve Filtering (0-2 knob mapped)				
OUTBOARD SPRING	Drive (Dwell)					
METAL BOX	Pre-Delay Feedback High Cut	Pre- Delay Feedback Low Cut	Early Reflections	Reverb Level	Early/Reverb Crossfade	