

Parameter Name	CC#: MSB [LSB]	Value Mapping: [MIDI Val] = [parameter value]
Amp EG Attack	28 [60]	0-16383
Amp EG Decay	29 [61]	0-16383
Amp EG Sustain	30 [62]	0-16383
Amp EG Release	31 [63]	0-16383
Filter EG Attack	23 [55]	0-16383
Filter EG Decay	24 [56]	0-16383
Filter EG Sustain	25 [57]	0-16383
Filter EG Release	26 [58]	0-16383
VCO 1 Level	15 [47]	0-16383
VCO 2 Level	16 [48]	0-16383
Noise Level	08 [40]	0-16383
VCO 1 Sub Level	17 [49]	0-16383
VCO 1 Wave	09 [41]	0-16383
VCO 2 Wave	14 [46]	0-16383
VCO 2 Frequency	12 [44]	0-16383
VCO 2 Beat Frequency	13 [45]	0-16383
VCO 2 Hard Sync	77	0 = Off, 64 = On
VCO Gate Reset	81	0 = Off, 64 = On
Filter Cutoff Frequency	19 [51]	0-16383
Filter Resonance	21 [53]	0-16383
Filter KB Amount	27 [59]	0-16383
Filter EG Amount	22 [54]	0-16383
Multidrive Amount	18 [50]	0-16383
Filter EG Velocity to Amplitude	110	0-127 MIDI = 0-16383 internal parameter value
Volume EG Velocity to Amplitude	92	0-127 MIDI = 0-16383 internal parameter value
Note Priority	111	0 = Global, 32 = Low Note, 64 = High Note, 96 = Last Note
Modulation Source	71,	0 = Triangle LFO, 16 = Square LFO, 32 = Saw LFO, 48 = Ramp LFO, 64 = S&H LFO, 80 = Filter Envelope
LFO Rate	3 [35]	0-16383
LFO MIDI Sync	102	0 = Off, 64 = On
LFO Gate Reset	93	0 = Off, 64 = On
Filter Modulation Amount	2 [34]	0-16383
Pitch Modulation Amount	4 [36]	0-16383
Wave Modulation Amount	20 [52]	0-16383
Pitch Bend UP Amount	107	0-24 (only values 0 thru 24 are valid)
Pitch Bend DOWN Amount	108	0-24 (only values 0 thru 24 are valid)
Glide On/Off	65	0 = Off, 64 = On
Glide Legato	94	0 = Off, 64 = On
Glide Rate	5 [37]	0-16383
Glide Type	85	0 = Linear Constant Rate, 43 = Linear Constant Time, 86 = Exponential
LFO KB Amount	78,	0-127 MIDI = 0-16383 internal parameter value
Volume EG Reset	83,	0 = Off, 64 = On
Filter EG Reset	82,	0 = Off, 64 = On
Output Level	7 [39]	0-16383
Keyboard Octave	89	0 = -2 Octaves, 16 = -1 Oct, 32 = +0 Oct, 48 = +1 Oct, 64 = +2 Oct
External Input Level	116	0-127 MIDI = 0-16383 internal parameter value
Volume EG Delay	104	0-127 MIDI = 0-16383 internal parameter value
Volume EG Hold	106	0-127 MIDI = 0-16383 internal parameter value
Filter EG Delay	103	0-127 MIDI = 0-16383 internal parameter value
Filter EG Hold	105	0-127 MIDI = 0-16383 internal parameter value
Pitch Mod. Osc 2 Only	70	0 = Off, 64 = On
Modulation Wheel	1 [33]	0-16383

Wave Mod Destination	72	0 = Osc1 only, 43 = Osc2 only, 86 = Both Osc1 &Osc2
VCO 1 Octave	74	16 = 16', 32 = 8', 48 = 4', 64 = 2'
VCO 2 Octave	75	16 = 16', 32 = 8', 48 = 4', 64 = 2'
Filter Poles	109	0 = 1 Pole, 32 = 2 Poles, 64 = 3 Poles, 96 = 4 Poles
LFO Range	76	0 = Low (.01Hz - 10Hz), 43 = Mid (.1Hz - 100Hz), 86 = High (1Hz - 1kHz)
Legato	68	0 = Off, 64 = On
Keyboard Transpose	119	0=-12 semitones, 1=-11 semitones... 12 = +0 semitones... 24 = +12 semitones (MIDI and parameter range is 0 thru 24)
Gated Glide	73	0 = Off, 64 = On
Filter EG Repeat	112	0 = Off, 64 = On
Filter EG Velocity to Time	86	0-127 MIDI = 0-16383 internal parameter value
Filter EG KB Amount	79	0-127 MIDI = 0-16383 internal parameter value
Filter EG Gate Source	90	0 = On, 32 = Keys, 64 = Gate CV, 96 = Keys & Gate.
Volume EG Repeat	113	0 = Off, 64 = On
Volume EG Velocity to Time	87	0-127
Volume EG KB Amount	80	0-127
Volume EG Gate Source	91	0 = On, 32 = Keys, 64 = Gate CV, 96 = Keys & Gate.
Filter EG Trigger Mode	114	0 = Off, 64 = On
Volume EG Trigger Mode	115	0 = Off, 64 = On
Filter EG Decay Speed	117	0 = Slow; 64 = Fast ("Fast Decay" On/Off in Editor)
Volume EG Decay Speed	118	0 = Slow; 64 = Fast ("Fast Decau" On/Off in Editor)
Active Panel Mode (not a preset param)	95	0=off, 64 = on
*** Performance Controls ***	(not saved in preset)	
Release On/Off	88	0 = Off, 64 = On
Hold Pedal	64	0 = Off, 64 = On
Glide On/Off	65	0 = Off, 64 = On
Legato On/Off	68	0 = Off, 64 = On
		65
		68