

CONTROL/ PARAMETER	CC	CC VALUE RANGE	14 BIT MSB / LSB
AMPLIFIER EG ATTACK	28	0-16383	14 BIT: CC 28 / CC 60
AMPLIFIER EG DECAY	29	0-16383	14 BIT: CC 29 / CC 61
AMPLIFIER EG SUSTAIN	30	0-16383	14 BIT: CC 30 / CC 62
AMPLIFIER EG RELEASE	31	0-16383	14 BIT: CC 31 / CC 63
FILTER EG ATTACK	23	0-16383	14 BIT: CC 23 / CC 55
FILTER EG DECAY	24	0-16383	14 BIT: CC 24 / CC 56
FILTER EG SUSTAIN	25	0-16383	14 BIT: CC 25 / CC 57
FILTER EG RELEASE	26	0-16383	14 BIT: CC 26 / CC 58
VCO 1 LEVEL	15	0-16383	14 BIT: CC 15 / CC 47
VCO 2 LEVEL	16	0-16383	14 BIT: CC 16 / CC 48
NOISE LEVEL	8	0-16383	14 BIT: CC 8 / CC 40
VCO 1 SUB LEVEL	17	0-16383	14 BIT: CC 17 / CC 49
VCO 1 WAVE	9	0-16383	14 BIT: CC 9 / CC 41
VCO 2 WAVE	14	0-16383	14 BIT: CC 14 / CC 46
VCO 2 FREQUENCY	12	0-16383	14 BIT: CC 12 / CC 44
VCO 2 BEAT FREQUENCY	13	0-16383	14 BIT: CC 13 / CC 45
VCO 2 HARD SYNC	77	0 = OFF, 64 = ON	
VCO GATE RESET	81	0 = OFF, 64 = ON	
FILTER CUTOFF FREQUENCY	19	0-16383	14 BIT: CC 19 / CC 51
FILTER RESONANCE	21	0-16383	14 BIT: CC 21 / CC 53
FILTER KB TRACKING AMOUNT	27	0-16383	14 BIT: CC 27 / CC 59
FILTER EG AMOUNT	22	0-16383	14 BIT: CC 22 / CC 54
MULTIDRIVE AMOUNT	18	0-16383	14 BIT: CC 18 / CC 50
FILTER EG VELOCITY TO AMPLITUDE	110	0-127	
AMPLIFIER EG VELOCITY TO AMPLITUDE	92	0-127	

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NOTE PRIORITY	111	0 = Global, 32 = Low Note, 64 = High Note, 96 = Last Note	
RELEASE ON / OFF	88	0 = OFF, 64 = ON	
MODULATION SOURCE	71	0 = Triangle LFO, 16 = Square LFO, 32 = Saw LFO, 48 = Ramp LFO, 64 = S&H, 80 = Filter Envelope	
LFO RATE	3	0 - 16383	14 BIT: CC 3 / CC 35
LFO MIDI SYNC	102	0 = OFF, 64 = ON	
LFO GATE RESET	93	0 = OFF, 64 = ON	
FILTER MOD AMOUNT	2	0 - 16383	14 BIT: CC 2 / CC 34
PITCH MOD AMOUNT	4	0 - 16383	14 BIT: CC 4 / CC 36
WAVE MOD AMOUNT	20	0 - 16383	14 BIT: CC 20 / CC 52
PITCH BEND UP	107	0 - 24	
PITCH BEND DOWN	108	0 - 24	
GLIDE ON / OFF	65	0 = OFF, 64 = ON	
GLIDE LEGATO	94	0 = OFF, 64 = ON	
GLIDE RATE	5	0 - 16383	14 BIT: CC 5 / CC 37
GLIDE TYPE	85	0 = Linear Constant Rate, 43 = Linear Constant Time, 85 = Exponential	
LFO KB TRACKING AMT.	78	0 - 127	
AMPLIFIER EG RESET	83	0 = OFF, 64 = ON	
FILTER EG RESET	82	0 = OFF, 64 = ON	
OUTPUT LEVEL	7	0 - 16383	14 BIT: CC 7 / CC 39
KEYBOARD OCTAVE	89	0 = -2 Oct, 16 = -1 Oct, 32 = +0 Oct, 48 = +1 Oct, 64 = +2 Oct	
EXTERNAL INPUT LVL.	116	0 - 127	
AMPLIFIER EG DELAY	104	0 - 127	
AMPLIFIER EG HOLD	106	0 - 127	
FILTER EG DELAY	103	0 - 127	
FILTER EG HOLD	105	0 - 127	

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PITCH MOD. OSC 2 ONLY	70	0 = OFF, 64 = ON	
MODULATION WHEEL	1	0 - 16383	
WAVE MOD DESTINATION	72	0 = OSC 1 Only, 43 = OSC 2 Only, 85 = Both OSC 1 & 2	
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 (.01 Hz - 10Hz) 43 = Mid (.1Hz - 100Hz) 85 = High (1Hz - 1kHz)	
LEGATO	68	0 = OFF, 64 = ON	
KEYBOARD TRANSPOSE	119	0 = -12 Semitones, 1 = -11 Semitones... 12 = +0 Semitones 24 = +12 Semitones	
GATED GLIDE	73	0 = OFF, 64 = ON	
FILTER EG REPEAT	112	0 = OFF, 64 = ON	
FILTER EG VELOCITY TO TIME	86	0 - 127	
FILTER EG KB AMOUNT	79	0 - 127	
FILTER EG GATE SOURCE	90	0 = Gate On, 32 = Keys Only, 64 = Gate Only, 96 = Keys Or Gate Input	
AMPLIFIER EG REPEAT	113	0 = OFF, 64 = ON	
AMPLIFIER EG VELOCITY TO TIME	87	0 - 127	
AMPLIFIER EG KB AMOUNT	80	0 - 127	
AMPLIFIER EG GATE SOURCE	91	0 = Gate On, 32 = Keys Only, 64 = Gate Only, 96 = Keys Or Gate Input	
FILTER EG TRIGGER MODE	114	0 = OFF, 64 = ON	
AMPLIFIER EG TRIGGER MODE	115	0 = OFF, 64 = ON	
FILTER EG DECAY SPEED	117	0 = SLOW; 64 = FAST ("FAST DECAY" ON/OFF IN THE EDITOR)	
AMPLIFIER EG DECAY SPEED	117	0 = SLOW; 64 = FAST ("FAST DECAY" ON/OFF IN THE EDITOR)	
ACTIVE PANEL MODE (NOT A PRESET PARAM.)	95	0 = OFF; 64 = ON	