

## The Runner MIDI CC Implementation Chart

INTERFACE			
The Runner	Knucklebuster	CC#	Range
Pitch (knob)	Color / Pitch (knob)	17	0-127
Notes / hz (switch)	Square / Noise (switch)	18	0 Off, 127 On
Harmonics (knob)	Highpass (knob)	16	0-127
Cutoff (knob)	Lowpass (knob)	74	0-127
Resonance (knob)	Resonance (knob)	71	0-127
Animate (knob)	Alias (knob)	1	0-127
Range (switch)	Pre/Post (switch)	19	0 Off, 127 On
Chorus (switch)	Doom (switch)	20	0 Off, 127 On
HIDDEN PARAMETERS ACCESSIBLE VIA CC CONTROL			
Parameter	CC#	Range	
Mode Select	3	0 = The Runner. 127 = Knucklebuster	
Volume	7	0-127	
Filter selection type (Runner only)	75	0 = Lowpass. 127 = DJ style	
Amplitude velocity on/off	88	0 Off, 127 On	
Amplitude envelope on/off	69	0 Off, 127 On	
Amplitude attack time	72	0-127	
Amplitude decay time	67	0-127	
Amplitude sustain amount	68	0-127	
Amplitude release time	73	0-127	
Lowpass filter envelope depth	78	0-127	
Lowpass filter envelope attack time	76	0-127	
Lowpass filter envelope decay time	80	0-127	
Lowpass filter envelope sustain amount	79	0-127	
Lowpass filter envelope release time	77	0-127	
Lowpass filter envelope velocity amount	89	0-127	
Highpass filter envelope sustain amount	82	0-127	
Highpass filter envelope decay time	83	0-127	
Highpass filter envelope attack time	85	0-127	
Highpass filter envelope release time	86	0-127	
Highpass filter envelope envelope depth	87	0-127	
Highpass filter velocity amount	90	0-127	