

## Audiothings Micromonsta MIDI CC / NRPN Map

#CC

Dec	Bin	Hex	General MIDI	CC 2.0
0	0	0	Bank Select	Bank Select
1	1	1	Modulation Wheel or Lever	Modulation wheel
2	10	2	Breath Controller	NOT_ASSIGNED
3	11	3	Undefined	GLOBALS_EQ_CUTOFF
4	100	4	Foot Controller	NOT_ASSIGNED
5	101	5	Portamento Time	GLOBALS_GLIDE
6	110	6	Data Entry MSB	NOT_ASSIGNED
7	111	7	Channel Volume (formerly Main Volume)	NOT_ASSIGNED
8	1000	8	Balance	NOT_ASSIGNED
9	1001	9	Undefined	OSCS_TRANPOSE
10	1010	0A	Pan	NOT_ASSIGNED
11	1011	0B	Expression Controller	NOT_ASSIGNED
12	1100	0C	Effect Control 1	DELAY_TIME
13	1101	0D	Effect Control 2	DELAY_FEEDBACK
14	1110	0E	Undefined	FX_SPEED
15	1111	0F	Undefined	FX_DEPTH
16	10000	10	General Purpose Controller 1	NOT_ASSIGNED
17	10001	11	General Purpose Controller 2	NOT_ASSIGNED
18	10010	12	General Purpose Controller 3	NOT_ASSIGNED
19	10011	13	General Purpose Controller 4	NOT_ASSIGNED
20	10100	14	Undefined	FX_BALANCE
21	10101	15	Undefined	FX_CUTOFF
22	10110	16	Undefined	OSC1_FINETUNE
23	10111	17	Undefined	OSC1_MODIFIER
24	11000	18	Undefined	OSC1_LFO1_AMOUNT
25	11001	19	Undefined	OSC1_MIX
26	11010	1A	Undefined	OSC2_RANGE
27	11011	1B	Undefined	OSC2_FINETUNE
28	11100	1C	Undefined	OSC2_MODIFIER
29	11101	1D	Undefined	OSC2_ENV3_AMOUNT
30	11110	1E	Undefined	OSC2_MIX
31	11111	1F	Undefined	SUB_MIX
32	100000	20	LSB for Control 0 (Bank Select)	RINGMOD_MIX
33	100001	21	LSB for Control 1 (Modulation Wheel or Lever)	NOISE_COLOR
34	100010	22	LSB for Control 2 (Breath Controller)	NOISE_MIX
35	100011	23	LSB for Control 3 (Undefined)	AMDRIVE
36	100100	24	LSB for Control 4 (Foot Controller)	NOT_ASSIGNED
37	100101	25	LSB for Control 5 (Portamento Time)	NOT_ASSIGNED
38	100110	26	LSB for Control 6 (Data Entry)	NOT_ASSIGNED
39	100111	27	LSB for Control 7 (Channel Volume, formerly Main Volume)	LFO_STEP1
40	101000	28	LSB for Control 8 (Balance)	LFO_STEP2
41	101001	29	LSB for Control 9 (Undefined)	LFO_STEP3
42	101010	2A	LSB for Control 10 (Pan)	LFO_STEP4
43	101011	2B	LSB for Control 11 (Expression Controller)	LFO_STEP5
44	101100	2C	LSB for Control 12 (Effect control 1)	LFO_STEP6
45	101101	2D	LSB for Control 13 (Effect control 2)	LFO_STEP7
46	101110	2E	LSB for Control 14 (Undefined)	LFO_STEP8
47	101111	2F	LSB for Control 15 (Undefined)	LFO_STELENGTH
48	110000	30	LSB for Control 16 (General Purpose Controller 1)	NOT_ASSIGNED
49	110001	31	LSB for Control 17 (General Purpose Controller 2)	NOT_ASSIGNED
50	110010	32	LSB for Control 18 (General Purpose Controller 3)	NOT_ASSIGNED
51	110011	33	LSB for Control 19 (General Purpose Controller 4)	NOT_ASSIGNED
52	110100	34	LSB for Control 20 (Undefined)	LFO1_RATE
53	110101	35	LSB for Control 21 (Undefined)	LFO1_DELAY
54	110110	36	LSB for Control 22 (Undefined)	LFO1_ATTACK
55	110111	37	LSB for Control 23 (Undefined)	LFO3_RATE
56	111000	38	LSB for Control 24 (Undefined)	LFO3_DELAY
57	111001	39	LSB for Control 25 (Undefined)	LFO3_ATTACK
58	111010	3A	LSB for Control 26 (Undefined)	PATCH1_AMOUNT
59	111011	3B	LSB for Control 27 (Undefined)	PATCH2_AMOUNT
60	111100	3C	LSB for Control 28 (Undefined)	PATCH3_AMOUNT
61	111101	3D	LSB for Control 29 (Undefined)	PATCH4_AMOUNT
62	111110	3E	LSB for Control 30 (Undefined)	PATCH5_AMOUNT
63	111111	3F	LSB for Control 31 (Undefined)	PATCH6_AMOUNT
64	1000000	40	Damper Pedal on/off (Sustain)	Sustain pedal
65	1000001	41	Portamento On/Off	NOT_ASSIGNED
66	1000010	42	Sostenuto On/Off	NOT_ASSIGNED
67	1000011	43	Soft Pedal On/Off	NOT_ASSIGNED
68	1000100	44	Legato Footswitch	NOT_ASSIGNED
69	1000101	45	Hold 2	NOT_ASSIGNED
70	1000110	46	Sound Controller 1 (default: Sound Variation)	NOT_ASSIGNED
71	1000111	47	Sound Controller 2 (default: Timbre/Harmonic Intens.)	FILTER_RESONANCE
72	1001000	48	Sound Controller 3 (default: Release Time)	ENV1_RELEASE
73	1001001	49	Sound Controller 4 (default: Attack Time)	ENV1_ATTACK
74	1001010	4A	Sound Controller 5 (default: Brightness)	FILTER_FREQUENCY
75	1001011	4B	Sound Controller 6 (default: Decay Time - see MMA RP-021)	ENV1_DECAY
76	1001100	4C	Sound Controller 7 (default: Vibrato Rate - see MMA RP-021)	LFO2_RATE
77	1001101	4D	Sound Controller 8 (default: Vibrato Depth - see MMA RP-021)	FILTER_LFO_AMOUNT
78	1001110	4E	Sound Controller 9 (default: Vibrato Delay - see MMA RP-021)	LFO2_DELAY

Dec	NRPN
0	NOT_ASSIGNED
1	PATCHNAME_0
2	PATCHNAME_1
3	PATCHNAME_2
4	PATCHNAME_3
5	PATCHNAME_4
6	PATCHNAME_5
7	PATCHNAME_6
8	PATCHNAME_7
9	OSC1_ALGORITHM
10	OSC2_ALGORITHM
11	SUB_WAVEFORM
12	SUB_OCTAVE
13	FILTER_TYPE
14	FILTER_KBD_TRACKING
15	ENV1_TYPE
16	ENV1_RESET
17	ENV2_TYPE
18	ENV2_RESET
19	ENV3_TYPE
20	ENV3_RESET
21	LFO1_WAVEFORM
22	LFO1_RATE
23	LFO1_DELAY
24	LFO1_PHASE
25	LFO1_KEY_SYNC
26	LFO2_WAVEFORM
27	LFO2_RATE
28	LFO2_DELAY
29	LFO2_PHASE
30	LFO2_KEY_SYNC
31	LFO3_WAVEFORM
32	LFO3_RATE
33	LFO3_DELAY
34	LFO3_PHASE
35	LFO3_KEY_SYNC
36	PATCH1_SOURCE
37	PATCH1_DESTINATION
38	PATCH2_SOURCE
39	PATCH2_DESTINATION
40	PATCH3_SOURCE
41	PATCH3_DESTINATION
42	PATCH4_SOURCE
43	PATCH4_DESTINATION
44	PATCH5_SOURCE
45	PATCH5_DESTINATION
46	PATCH6_SOURCE
47	PATCH6_DESTINATION
48	SCALER1_SOURCE
49	SCALER1_DESTINATION
50	SCALER2_SOURCE
51	SCALER2_DESTINATION
52	SCALER3_SOURCE
53	SCALER3_DESTINATION
54	LAG_SOURCE
55	FX_ALGORITHM
56	ARMODE
57	ARSTYLE
58	AROCTAVE
59	ARSPEED
60	ARLATCH
61	ARPTN_STEP1
62	ARPTN_STEP2
63	ARPTN_STEP3
64	ARPTN_STEP4
65	ARPTN_STEP5
66	ARPTN_STEP6
67	ARPTN_STEP7
68	ARPTN_STEP8
69	ARPTN_STEP9
70	ARPTN_STEP10
71	ARPTN_STEP11
72	ARPTN_STEP12
73	ARPTN_STEP13
74	ARPTN_STEP14
75	ARPTN_STEP15
76	ARPTN_STEP16
77	ARPTN_RYTM1
78	ARPTN_RYTM2

EXTENDED + SYNC  
EXTENDED + SYNC  
EXTENDED + SYNC  
EXTENDED + SYNC  
EXTENDED + SYNC

79	1001111	4F	Sound Controller 10 (default undefined - see MMA RP-021)	ENV1_SUSTAIN
80	1010000	50	General Purpose Controller 5	ENV2_ATTACK
81	1010001	51	General Purpose Controller 6	ENV2_DECAY
82	1010010	52	General Purpose Controller 7	ENV2_SUSTAIN
83	1010011	53	General Purpose Controller 8	ENV2_RELEASE
84	1010100	54	Portamento Control	NOT_ASSIGNED
85	1010101	55	Undefined	FILTER_ENV_AMOUNT
86	1010110	56	Undefined	ENV3_ATTACK
87	1010111	57	Undefined	ENV3_DECAY
88	1011000	58	High Resolution Velocity Prefix	LFO2_ATTACK
89	1011001	59	Undefined	ENV3_SUSTAIN
90	1011010	5A	Undefined	ENV3_RELEASE
91	1011011	5B	Effects 1 Depth	FX_MIX
92	1011100	5C	Effects 2 Depth (formerly Tremolo Depth)	SCALER1_AMOUNT
93	1011101	5D	Effects 3 Depth	SCALER2_AMOUNT
94	1011110	5E	Effects 4 Depth (formerly Celeste [Detune] Depth)	SCALER3_AMOUNT
95	1011111	5F	Effects 5 Depth (formerly Phaser Depth)	LAG_AMOUNT
96	1100000	60	Data Increment (Data Entry +1) (see MMA RP-018)	NOT_ASSIGNED
97	1100001	61	Data Decrement (Data Entry -1) (see MMA RP-018)	NOT_ASSIGNED
98	1100010	62	Non-Registered Parameter Number (NRPN) - LSB	NOT_ASSIGNED
99	1100011	63	Non-Registered Parameter Number (NRPN) - MSB	NOT_ASSIGNED
100	1100100	64	Registered Parameter Number (RPN) - LSB*	NOT_ASSIGNED
101	1100101	65	Registered Parameter Number (RPN) - MSB*	NOT_ASSIGNED
102	1100110	66	Undefined	ARGATE
103	1100111	67	Undefined	ARPTN_LENGTH
104	1101000	68	Undefined	NOT_ASSIGNED
105	1101001	69	Undefined	NOT_ASSIGNED
106	1101010	6A	Undefined	NOT_ASSIGNED
107	1101011	6B	Undefined	NOT_ASSIGNED
108	1101100	6C	Undefined	NOT_ASSIGNED
109	1101101	6D	Undefined	NOT_ASSIGNED
110	1101110	6E	Undefined	NOT_ASSIGNED
111	1101111	6F	Undefined	NOT_ASSIGNED
112	1110000	70	Undefined	NOT_ASSIGNED
113	1110001	71	Undefined	NOT_ASSIGNED
114	1110010	72	Undefined	NOT_ASSIGNED
115	1110011	73	Undefined	NOT_ASSIGNED
116	1110100	74	Undefined	NOT_ASSIGNED
117	1110101	75	Undefined	PAN_SPREAD_AMOUNT
118	1110110	76	Undefined	VOICE_DETUNE
119	1110111	77	Undefined	OSC_DETUNE
120	1111000	78	[Channel Mode Message] All Sound Off	All sound Off
121	1111001	79	[Channel Mode Message] Reset All Controllers	NOT_ASSIGNED
122	1111010	7A	[Channel Mode Message] Local Control On/Off	NOT_ASSIGNED
123	1111011	7B	[Channel Mode Message] All Notes Off	All notes off
124	1111100	7C	[Channel Mode Message] Omni Mode Off (+ all notes off)	NOT_ASSIGNED
125	1111101	7D	[Channel Mode Message] Omni Mode On (+ all notes off)	NOT_ASSIGNED
126	1111110	7E	[Channel Mode Message] Mono Mode On (+ poly off, + all notes off)	NOT_ASSIGNED
127	1111111	7F	[Channel Mode Message] Poly Mode On (+ mono off, + all notes off)	NOT_ASSIGNED

79	ARPTN_RYTM3
80	ARPTN_RYTM4
81	ARPTN_RYTM5
82	ARPTN_RYTM6
83	ARPTN_RYTM7
84	ARPTN_RYTM8
85	ARPTN_RYTM9
86	ARPTN_RYTM10
87	ARPTN_RYTM11
88	ARPTN_RYTM12
89	ARPTN_RYTM13
90	ARPTN_RYTM14
91	ARPTN_RYTM15
92	ARPTN_RYTM16
93	CHORDER_STATUS
94	CHORDER_KEY
95	CHORDER_SCALE
96	CHORDER_ITVL1
97	CHORDER_ITVL2
98	CHORDER_ITVL3
99	VOICE_MODE
100	VOICE_UNISON
101	PAN_SPREAD_ALGO
102	GLOBALS_PITCHBEND_RANGE
103	GLOBALS_TEMPO
104	ENCODER_ASSIGN1
105	ENCODER_ASSIGN2
106	ENCODER_ASSIGN3
107	ENCODER_ASSIGN4
108	NOT_ASSIGNED
109	NOT_ASSIGNED
110	NOT_ASSIGNED
111	NOT_ASSIGNED
112	NOT_ASSIGNED
113	NOT_ASSIGNED
114	NOT_ASSIGNED
115	NOT_ASSIGNED
116	NOT_ASSIGNED
117	NOT_ASSIGNED
118	NOT_ASSIGNED
119	NOT_ASSIGNED
120	NOT_ASSIGNED
121	NOT_ASSIGNED
122	NOT_ASSIGNED
123	NOT_ASSIGNED
124	NOT_ASSIGNED
125	NOT_ASSIGNED
126	NOT_ASSIGNED
127	NOT_ASSIGNED