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MIDI CC (Control Change) List

The following table lists all currently defined MIDI CC and Channel Mode messages, in control number order.

CC Number	Function	Value	Used As
0	Bank Select	0-127	MSB
1	Modulation	0-127	MSB
2	Breath Controller	0-127	MSB
3	Undefined	0-127	MSB
4	Foot Controller	0-127	MSB
5	Portamento Time	0-127	MSB
6	Data Entry MSB	0-127	MSB
7	Channel Volume (formerly Main Volume)	0-127	MSB
8	Balance	0-127	MSB
9	Undefined	0-127	MSB
10	Pan	0-127	MSB
11	Expression Controller	0-127	MSB
12	Effect Control 1	0-127	MSB
13	Effect Control 2	0-127	MSB

CC Number	Function	Value	Used As
14-15	Undefined	0-127	MSB
16	General Purpose Controller 1	0-127	MSB
17	General Purpose Controller 2	0-127	MSB
18	General Purpose Controller 3	0-127	MSB
19	General Purpose Controller 4	0-127	MSB
20-31	Undefined	0-127	MSB
32	LSB for Control 0 (Bank Select)	0-127	LSB
33	LSB for Control 1 (Modulation)	0-127	LSB
34	LSB for Control 2 (Breath Controller)	0-127	LSB
35	LSB for Control 3 (Undefined)	0-127	LSB
36	LSB for Control 4 (Foot Controller)	0-127	LSB
37	LSB for Control 5 (Portamento Time)	0-127	LSB
38	LSB for Control 6 (Data Entry)	0-127	LSB
39	LSB for Control 7 (Channel Volume)	0-127	LSB
40	LSB for Control 8 (Balance)	0-127	LSB
41	LSB for Control 9 (Undefined)	0-127	LSB
42	LSB for Control 10 (Pan)	0-127	LSB
43	LSB for Control 11 (Expression Controller)	0-127	LSB
44	LSB for Control 12 (Effect Control 1)	0-127	LSB
45	LSB for Control 13 (Effect Control 2)	0-127	LSB
46-47	LSB for Controls 14-15 (Undefined)	0-127	LSB

CC Number	Function	Value	Used As
48	LSB for Control 16 (General Purpose Controller 1)	0-127	LSB
49	LSB for Control 17 (General Purpose Controller 2)	0-127	LSB
50	LSB for Control 18 (General Purpose Controller 3)	0-127	LSB
51	LSB for Control 19 (General Purpose Controller 4)	0-127	LSB
52-63	LSB for Controls 20-31 (Undefined)	0-127	LSB
64	Damper Pedal On/Off (Sustain)	≤63 Off, ≥64 On	—
65	Portamento On/Off	≤63 Off, ≥64 On	—
66	Sostenuto On/Off	≤63 Off, ≥64 On	—
67	Soft Pedal On/Off	≤63 Off, ≥64 On	—
68	Legato Footswitch	≤63 Normal, ≥64 Legato	—
69	Hold 2	≤63 Off, ≥64 On	—
70	Sound Controller 1 (Sound Variation)	0-127	LSB
71	Sound Controller 2 (Timbre/Harmonic Intensity)	0-127	LSB
72	Sound Controller 3 (Release Time)	0-127	LSB
73	Sound Controller 4 (Attack Time)	0-127	LSB
74	Sound Controller 5 (Brightness)	0-127	LSB

CC Number	Function	Value	Used As
75	Sound Controller 6 (Decay Time)	0-127	LSB
76	Sound Controller 7 (Vibrato Rate)	0-127	LSB
77	Sound Controller 8 (Vibrato Depth)	0-127	LSB
78	Sound Controller 9 (Vibrato Delay)	0-127	LSB
79	Sound Controller 10 (Undefined)	0-127	LSB
80	General Purpose Controller 5	0-127	LSB
81	General Purpose Controller 6	0-127	LSB
82	General Purpose Controller 7	0-127	LSB
83	General Purpose Controller 8	0-127	LSB
84	Portamento Control	0-127	LSB
85-87	Undefined	—	—
88	High Resolution Velocity Prefix	0-127	LSB
89-90	Undefined	—	—
91	Effects 1 Depth (Reverb Send Level)	0-127	—
92	Effects 2 Depth (Tremolo Depth)	0-127	—
93	Effects 3 Depth (Chorus Send Level)	0-127	—
94	Effects 4 Depth (Detune Depth)	0-127	—
95	Effects 5 Depth (Phaser Depth)	0-127	—
96	Data Increment (Data Entry+1)	N/A	—
97	Data Decrement (Data Entry-1)	N/A	—
98	Non-Registered Parameter Number (NRPN) | LSB	0-127	LSB

CC Number	Function	Value	Used As
99	Non-Registered Parameter Number (NRPN) | MSB	0-127	MSB
100	Registered Parameter Number (RPN) | LSB	0-127	LSB
101	Registered Parameter Number (RPN) | MSB	0-127	MSB
102-119	Undefined	—	—
120	All Sound Off	0	—
121	Reset All Controllers	0	—
122	Local Control On/Off	0 Off, 127 On	—
123	All Notes Off	0	—
124	Omni Mode Off	0	—
125	Omni Mode On	0	—
126	Mono Mode On	Number of channels or 0	—
127	Mono Mode Off	0	—

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