

MIDI Controller Numbers

The table below presents a summary of the MIDI Standard Controller codes in decimal and hexadecimal (h) form.

Decimal	Hex	Controller Name
0	00h	Bank Select (Controller # 32 more commonly used)
1	01h	Modulation Wheel
2	02h	Breath Controller
3	03h	Undefined
4	04h	Foot Controller
5	05h	Portamento Time
6	06h	Data Entry MSB
7	07h	Main Volume
8	08h	Balance
9	09h	Undefined
10	0Ah	Pan
11	0Bh	0Ch
12	0Ch	Effect Control 1
13	0Dh	Effect Control 2
14-15	0Eh-0Fh	Undefined
16-19	10-13h	General Purpose Controllers (Nos. 1-4)
20—31	14-1Fh	Undefined
32-63	20-3Fh	LSB for Controllers 0-31 (rarely implemented)
64	40h	Damper Pedal (Sustain) [Data Byte of 0-63=0ff, 64-127=On]
65	41h	Portamento
66	42h	Sostenuto
67	43h	Soft Pedal
68	44h	Legato Footswitch
69	45h	Hold 2
70	46h	Sound Controller 1 (default: Sound Variation)
71	47h	Sound Controller 2 (default: Timbre/Harmonic Content)
72	48h	Sound Controller 3 (default: Release Time)
73	49h	Sound Controller 4 (default: Attack Time)

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Decimal	Hex	Controller Name
74	4Ah	Sound Controller 5 (default: Brightness)
75-79	4B-4Fh	Sound Controller 6-10 (no defaults)
80-83	50-53h	General Purpose Controllers (Nos. 5-8)
84	54h	Portamento Control
85-90	55-5Ah	Undefined
91	5Bh	Effects 1 Depth (previously External Effects Depth)
92	5Ch	Effects 2 Depth (previously Tremolo Depth)
93	5Dh	Effects 3 Depth (previously Chorus Depth)
94	5Eh	Effects 4 Depth (previously Detune Depth)
95	5Fh	Effects 5 Depth (previously Phaser Depth)
96	60h	Data Increment
97	61h	Data Decrement
98	62h	Non-Registered Parameter Number LSB
99	63h	Non-Registered Parameter Number LSB
100	64h	Registered Parameter Number LSB
101	65h	Registered Parameter Number MSB
102-120	66-78h	Undefined
Channel Mode Messages		
121	79h	Reset All Controllers
122	7Ah	Local Control
123	7Bh	All Notes Off
124	7Ch	Omni Off
125	7Dh	Omni On
126	7Eh	Mono On (Poly Off)
127	7Fh	Poly On (Mono Off)