

General MIDI Maps

Instrument Locations by Program Number

1PianoAcoustic Grand2PianoBright Acoustic3PianoElectric Grand4PianoHonky-tonk5PianoElectric Piano I6PianoElectric Piano 27PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch PercDulcimer17OrganPercussive Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (steel)28GuitarElectric Guitar (steel)	Program	Family	Instrument Name
3PianoElectric Grand4PianoHonky-tonk5PianoElectric Piano I6PianoElectric Piano 27PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganReed Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (jazz)	1	Piano	Acoustic Grand
4PianoHonky-tonk5PianoElectric Piano I6PianoElectric Piano 27PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (jazz)	2	Piano	Bright Acoustic
5PianoElectric Piano I6PianoElectric Piano 27PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27Guitar (steel)	3	Piano	Electric Grand
6PianoElectric Piano 27PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAccoustic Guitar (feel)27GuitarElectric Guitar (fazz)	4	Piano	Honky-tonk
7PianoHarpsichord8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganReed Organ21OrganAccordian22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (steel)	5	Piano	Electric Piano I
8PianoClav9Pitch PercCelesta10Pitch PercGlockenspiel11Pitch PercMusic Box12Pitch PercVibraphone13Pitch PercMarimba14Pitch PercXylophone15Pitch PercTubular Bells16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (steel)	6	Piano	Electric Piano 2
Pitch Perc Glockenspiel Pitch Perc Glockenspiel Pitch Perc Music Box Pitch Perc Vibraphone Pitch Perc Vibraphone Pitch Perc Marimba Pitch Perc Marimba Pitch Perc Marimba Pitch Perc Mylophone Pitch Perc Tubular Bells Pitch Perc Tubular Bells Pitch Perc Dulcimer Pitch Perc Dulcimer Progan Drawbar Organ Percussive	7	Piano	Harpsichord
Pitch Perc Glockenspiel Pitch Perc Music Box Pitch Perc Vibraphone Pitch Perc Marimba Pitch Perc Marimba Pitch Perc Xylophone Pitch Perc Tubular Bells Pitch Perc Dulcimer Organ Drawbar Organ Organ Percussive Organ Organ Rock Organ Organ Rock Organ Organ Church Organ Organ Reed Organ Organ Accordian Organ Harmonica Organ Tango Accordian Guitar Acoustic Guitar (nylon) Guitar Glockenspiel Music Box Music Box Music Box Music Box Music Box Marimba Nacinga Nacinga Marimba Marimba Nacinga Church Organ Accordian Accordian Accordian Accordian Accordian Electric Guitar (nylon)	8	Piano	Clav
Pitch Perc Wibraphone 12 Pitch Perc Vibraphone 13 Pitch Perc Marimba 14 Pitch Perc Xylophone 15 Pitch Perc Tubular Bells 16 Pitch perc Dulcimer 17 Organ Drawbar Organ 18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Rock Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Service Ovice Pitch Perc Sulviar (steel) 27 Guitar Service Ovice Pitch Perc Sulviar Service Pitch Perc Sulviar Se	9	Pitch Perc	Celesta
Pitch Perc Vibraphone 13 Pitch Perc Marimba 14 Pitch Perc Xylophone 15 Pitch Perc Tubular Bells 16 Pitch perc Dulcimer 17 Organ Drawbar Organ 18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Guitar (steel) 27 Guitar Electric Guitar (jazz)	10	Pitch Perc	Glockenspiel
Pitch Perc Xylophone 15 Pitch Perc Tubular Bells 16 Pitch perc Dulcimer 17 Organ Drawbar Organ 18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Reed Organ 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (steel) 27 Guitar Electric Guitar (jazz)	11	Pitch Perc	Music Box
Pitch Perc Tubular Bells Pitch perc Dulcimer Organ Drawbar Organ Organ Percussive Organ Organ Rock Organ Organ Church Organ Organ Reed Organ Organ Reed Organ Organ Accordian Organ Harmonica Guitar Acoustic Guitar (nylon) Guitar Electric Guitar (jazz)	12	Pitch Perc	Vibraphone
15 Pitch Perc Tubular Bells 16 Pitch perc Dulcimer 17 Organ Drawbar Organ 18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (jazz)	13	Pitch Perc	Marimba
16Pitch percDulcimer17OrganDrawbar Organ18OrganPercussive Organ19OrganRock Organ20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (jazz)	14	Pitch Perc	Xylophone
Drawbar Organ 18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (jazz)	15	Pitch Perc	Tubular Bells
18 Organ Percussive Organ 19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (jazz)	16	Pitch perc	Dulcimer
19 Organ Rock Organ 20 Organ Church Organ 21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (jazz)	17	Organ	Drawbar Organ
20OrganChurch Organ21OrganReed Organ22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (jazz)	18	Organ	Percussive Organ
21 Organ Reed Organ 22 Organ Accordian 23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Electric Guitar (jazz)	19	Organ	Rock Organ
22OrganAccordian23OrganHarmonica24OrganTango Accordian25GuitarAcoustic Guitar (nylon)26GuitarAcoustic Guitar (steel)27GuitarElectric Guitar (jazz)	20	Organ	Church Organ
23 Organ Harmonica 24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Acoustic Guitar (steel) 27 Guitar Electric Guitar (jazz)	21	Organ	Reed Organ
24 Organ Tango Accordian 25 Guitar Acoustic Guitar (nylon) 26 Guitar Acoustic Guitar (steel) 27 Guitar Electric Guitar (jazz)	22	Organ	Accordian
25 Guitar Acoustic Guitar (nylon) 26 Guitar Acoustic Guitar (steel) 27 Guitar Electric Guitar (jazz)	23	Organ	Harmonica
26 Guitar Acoustic Guitar (steel) 27 Guitar Electric Guitar (jazz)	24	Organ	Tango Accordian
27 Guitar Electric Guitar (jazz)	25	Guitar	Acoustic Guitar (nylon)
	26	Guitar	Acoustic Guitar (steel)
28 Guitar Electric Guitar (clean)	27	Guitar	Electric Guitar (jazz)
	28	Guitar	Electric Guitar (clean)

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29	Guitar	Electric Guitar (muted)
30	Guitar	Overdriven Guitar
31	Guitar	Distortion Guitar
32	Guitar	Guitar Harmonics
33	Bass	Acoustic Bass
34	Bass	Electric Bass (finger)
35	Bass	Electric Bass (pick)
36	Bass	Fretless Bass
37	Bass	Slap Bass 1
38	Bass	Slap Bass 2
39	Bass	Synth Bass I
40	Bass	Synth Bass 2
41	Strings	Violin
42	Strings	Viola
43	Strings	Cello
44	Strings	Contrabass
45	Strings	Tremolo Strings
46	Strings	Pizzicato Strings
47	Strings	Orchestral Strings
48	Strings	Timpani
49	Ensemble	String Ensemble 1
50	Ensemble	String Ensemble 2
51	Ensemble	Synth Strings I
52	Ensemble	Synth Strings 2
53	Ensemble	Choir Aahs
54	Ensemble	Voice Oohs
55	Ensemble	Synth Voice
56	Ensemble	Orchestra Hit
57	Brass	Trumpet
58	Brass	Trombone
59	Brass	Tuba
60	Brass	Muted Trumpet
61	Brass	French Horn
62	Brass	Brass Section
63	Brass	Synth Brass I
64	Brass	Synth Brass 2
65	Reed	Soprano Saxophone
66	Reed	Alto Saxophone

67	Reed	Tenor Saxophone
68	Reed	Baritone Saxophone
69	Reed	Oboe
70	Reed	English Horn
71	Reed	Bassoon
72	Reed	Clarinet
73	Pipe	Piccolo
74	Pipe	Flute
75	Pipe	Recorder
76	Pipe	Pan Flute
77	Pipe	Blown Bottle
78	Pipe	Shakuhachi
79	Pipe	Whistle
80	Pipe	Ocarina
81	Synth Lead	Lead 1 (square)
82	Synth Lead	Lead 2 (sawtooth)
83	Synth Lead	Lead 3 (calliope)
84	Synth Lead	Lead 4 (chiff)
85	Synth Lead	Lead 5 (charang)
86	Synth Lead	Lead 6 (voice)
87	Synth Lead	Lead 7 (fifths)
88	Synth Lead	Lead 8 (bass + lead)
89	Synth Pad	Pad 1 (new age)
90	Synth Pad	Pad 2 (warm)
91	Synth Pad	Pad 3 (polysynth)
92	Synth Pad	Pad 4 (choir)
93	Synth Pad	Pad 5 (bowed)
94	Synth Pad	Pad 6 (metallic)
95	Synth Pad	Pad 7 (halo)
96	Synth Pad	Pad 8 (sweep)
97	Synth FX	FX 1 (rain)
98	Synth FX	FX2 (soundtrack)
99	Synth FX	FX 3 (crystal)
100	Synth FX	FX 4 (atmosphere)
101	Synth FX	FX 5 (brightness)
102	Synth FX	FX 6 (goblins)
103	Synth FX	FX 7 (echoes)
104	Synth FX	FX 8 (sci-fi)

105	Ethnic	Sitar
106	Ethnic	Banjo
107	Ethnic	Shamisen
108	Ethnic	Koto
109	Ethnic	Kalimba
110	Ethnic	Bagpipe
111	Ethnic	Fiddle
112	Ethnic	Shanai
113	Perc	Tinkle Bell
114	Perc	Agogo
115	Perc	Steel Drums
116	Perc	Woodblock
117	Perc	Taiko Drum
118	Perc	Melodic Tom
119	Perc	Synth Drum
120	Perc	Reverse Cymbal
121	Sound FX	Guitar Fret Noise
122	Sound FX	Breathing Noise
123	Sound FX	Seashore
124	Sound FX	Bird Tweet
125	Sound FX	Telephone Ring
126	Sound FX	Helicopter
127	Sound FX	Applause
128	Sound FX	Gunshot

MIDI Drum Sounds by Note Number (channel 10)

Note #	Instrument Name
35	Acoustic Bass Drum
36	Bass Drum 1
37	Side Stick
38	Acoustic Snare
39	Hand Clap
40	Electric Snare
41	Low Floor Tom
42	Closed Hi-hat
43	High Floor Tom
44	Pedal Hi-hat
45	Low Tom
46	Open Hi-hat
47	Low-mid Tom
48	High-mid Tom
49	Crash Cymbal 1
50	High Tom
51	Ride Cymbal 1
52	Chinese Cymbal
53	Ride Bell
54	Tambourine
55	Splash Cymbal
56	Cowbell
57	Crash Cymbal 2

Fig. 8. Fide Cymbal 2 60 High Bongo 61 Low Bongo 62 Mute High Conga 63 Open High Conga 64 Low Conga 65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle 81 Open Triangle	58	Vibraslap
61 Low Bongo 62 Mute High Conga 63 Open High Conga 64 Low Conga 65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	59	Ride Cymbal 2
62 Mute High Conga 63 Open High Conga 64 Low Conga 65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	60	High Bongo
63 Open High Conga 64 Low Conga 65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	61	Low Bongo
64 Low Conga 65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	62	Mute High Conga
65 High Timbale 66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	63	Open High Conga
66 Low Timbale 67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	64	Low Conga
67 High Agogo 68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	65	High Timbale
68 Low Agogo 69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	66	Low Timbale
69 Casaba 70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	67	High Agogo
70 Maracas 71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	68	Low Agogo
71 Short Whistle 72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	69	Casaba
72 Long Whistle 73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	70	Maracas
73 Short Guiro 74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	71	Short Whistle
74 Long Guiro 75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	72	Long Whistle
75 Claves 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	73	Short Guiro
 76 High Wood Block 77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle 	74	Long Guiro
77 Low Wood Block 78 Mute Cuica 79 Open Cuica 80 Mute Triangle	75	Claves
78 Mute Cuica79 Open Cuica80 Mute Triangle	76	High Wood Block
79 Open Cuica 80 Mute Triangle	77	Low Wood Block
80 Mute Triangle	78	Mute Cuica
0	79	Open Cuica
81 Open Triangle	80	Mute Triangle
	81	Open Triangle