

General MIDI Level 1 Sound Set

General MIDI's most recognized feature is the defined list of sounds or "patches". However, General MIDI does not actually define the way the sound will be reproduced, only the name of that sound.

Though this can obviously result in wide variations in performance from the same song data on different GM sound sources, the authors of General MIDI felt it important to allow each manufacturer to have their own ideas and express their personal aesthetics when it comes to picking the exact timbres for each sound.

Each manufacturer must insure that their sounds provide an acceptable representation of song data written for General MIDI. Guidelines for developing GM compatible sound sets and song data are available through the MMA.

General MIDI Level 1 Instrument Patch Map

- The names of the instruments indicate what sort of sound will be heard when that instrument number (MIDI Program Change or "PC#") is selected on the GM1 synthesizer.
- These sounds are the same for all MIDI Channels except Channel 10, which has only percussion sounds and some sound "effects". (See ["GM1 Percussion Key Map"](#))

GM1 Instrument Families

The General MIDI Level 1 instrument sounds are grouped by families. In each family are 8 specific instruments.

PC#	Family	PC#	Family
1-8	Piano	65-72	Reed
9-16	Chromatic Percussion	73-80	Pipe
17-24	Organ	81-88	Synth Lead
25-32	Guitar	89-96	Synth Pad
33-40	Bass	97-104	Synth Effects
41-48	Strings	105-112	Ethnic
49-56	Ensemble	113-120	Percussive
57-64	Brass	121-128	Sound Effects

GM1 Instrument Patch Map

Note: While GM1 does not define the actual characteristics of any sounds, the names in parentheses after each of the synth leads, pads, and sound effects are, in particular, intended only as guides).

PC# Instrument

- | | | | |
|-----|-------------------------|------|----------------------|
| 1. | Acoustic Grand Piano | 65. | Soprano Sax |
| 2. | Bright Acoustic Piano | 66. | Alto Sax |
| 3. | Electric Grand Piano | 67. | Tenor Sax |
| 4. | Honky-tonk Piano | 68. | Baritone Sax |
| 5. | Electric Piano 1 | 69. | Oboe |
| 6. | Electric Piano 2 | 70. | English Horn |
| 7. | Harpsichord | 71. | Bassoon |
| 8. | Clavi | 72. | Clarinet |
| 9. | Celesta | 73. | Piccolo |
| 10. | Glockenspiel | 74. | Flute |
| 11. | Music Box | 75. | Recorder |
| 12. | Vibraphone | 76. | Pan Flute |
| 13. | Marimba | 77. | Blown Bottle |
| 14. | Xylophone | 78. | Shakuhachi |
| 15. | Tubular Bells | 79. | Whistle |
| 16. | Dulcimer | 80. | Ocarina |
| 17. | Drawbar Organ | 81. | Lead 1 (square) |
| 18. | Percussive Organ | 82. | Lead 2 (sawtooth) |
| 19. | Rock Organ | 83. | Lead 3 (calliope) |
| 20. | Church Organ | 84. | Lead 4 (chiff) |
| 21. | Reed Organ | 85. | Lead 5 (charang) |
| 22. | Accordion | 86. | Lead 6 (voice) |
| 23. | Harmonica | 87. | Lead 7 (fifths) |
| 24. | Tango Accordion | 88. | Lead 8 (bass + lead) |
| 25. | Acoustic Guitar (nylon) | 89. | Pad 1 (new age) |
| 26. | Acoustic Guitar (steel) | 90. | Pad 2 (warm) |
| 27. | Electric Guitar (jazz) | 91. | Pad 3 (polysynth) |
| 28. | Electric Guitar (clean) | 92. | Pad 4 (choir) |
| 29. | Electric Guitar (muted) | 93. | Pad 5 (bowed) |
| 30. | Overdriven Guitar | 94. | Pad 6 (metallic) |
| 31. | Distortion Guitar | 95. | Pad 7 (halo) |
| 32. | Guitar harmonics | 96. | Pad 8 (sweep) |
| 33. | Acoustic Bass | 97. | FX 1 (rain) |
| 34. | Electric Bass (finger) | 98. | FX 2 (soundtrack) |
| 35. | Electric Bass (pick) | 99. | FX 3 (crystal) |
| 36. | Fretless Bass | 100. | FX 4 (atmosphere) |
| 37. | Slap Bass 1 | 101. | FX 5 (brightness) |
| 38. | Slap Bass 2 | 102. | FX 6 (goblins) |
| 39. | Synth Bass 1 | 103. | FX 7 (echoes) |
| 40. | Synth Bass 2 | 104. | FX 8 (sci-fi) |
| 41. | Violin | 105. | Sitar |
| 42. | Viola | 106. | Banjo |
| 43. | Cello | 107. | Shamisen |
| 44. | Contrabass | 108. | Koto |
| 45. | Tremolo Strings | 109. | Kalimba |
| 46. | Pizzicato Strings | 110. | Bag pipe |
| 47. | Orchestral Harp | 111. | Fiddle |
| 48. | Timpani | 112. | Shanai |
| 49. | String Ensemble 1 | 113. | Tinkle Bell |
| 50. | String Ensemble 2 | 114. | Agogo |
| 51. | SynthStrings 1 | 115. | Steel Drums |
| 52. | SynthStrings 2 | 116. | Woodblock |
| 53. | Choir Aahs | 117. | Taiko Drum |
| 54. | Voice Oohs | 118. | Melodic Tom |

55.	Synth Voice	119.	Synth Drum
56.	Orchestra Hit	120.	Reverse Cymbal
57.	Trumpet	121.	Guitar Fret Noise
58.	Trombone	122.	Breath Noise
59.	Tuba	123.	Seashore
60.	Muted Trumpet	124.	Bird Tweet
61.	French Horn	125.	Telephone Ring
62.	Brass Section	126.	Helicopter
63.	SynthBrass 1	127.	Applause
64.	SynthBrass 2	128.	Gunshot

General MIDI Level 1 Percussion Key Map

On MIDI Channel 10, each MIDI Note number ("Key#") corresponds to a different drum sound, as shown below. GM-compatible instruments must have the sounds on the keys shown here. While many current instruments also have additional sounds above or below the range shown here, and may even have additional "kits" with variations of these sounds, only these sounds are supported by General MIDI Level 1 devices.

Key#	Drum Sound	Key#	Drum Sound
35	Acoustic Bass Drum	59	Ride Cymbal 2
36	Bass Drum 1	60	Hi Bongo
37	Side Stick	61	Low Bongo
38	Acoustic Snare	62	Mute Hi Conga
39	Hand Clap	63	Open Hi Conga
40	Electric Snare	64	Low Conga
41	Low Floor Tom	65	High Timbale
42	Closed Hi Hat	66	Low Timbale
43	High Floor Tom	67	High Agogo
44	Pedal Hi-Hat	68	Low Agogo
45	Low Tom	69	Cabasa
46	Open Hi-Hat	70	Maracas
47	Low-Mid Tom	71	Short Whistle
48	Hi Mid Tom	72	Long Whistle
49	Crash Cymbal 1	73	Short Guiro
50	High Tom	74	Long Guiro
51	Ride Cymbal 1	75	Claves
52	Chinese Cymbal	76	Hi Wood Block
53	Ride Bell	77	Low Wood Block
54	Tambourine	78	Mute Cuica
55	Splash Cymbal	79	Open Cuica
56	Cowbell	80	Mute Triangle
57	Crash Cymbal 2	81	Open Triangle
58	Vibraslap		

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