

MMA Technical Standards Board/ AMEI MIDI Committee

Confirmation of Approval for MIDI Standard

Maximum Instantaneous Polyphony (MIP)

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This message is developed for Scalable Polyphony MIDI (SP-MIDI) content and devices. An important goal of the SP-MIDI design is to minimize the occurrence of Note Stealing and the resulting partial randomization of the music playback. The mechanism for accomplishing this is called Channel Masking, the operation of which is controlled by the Maximum Instantaneous Polyphony (MIP) message. See the Scalable Polyphony MIDI (SP-MIDI) Specification (Recommended Practice RP-034) for more details.

[UNIVERSAL REALTIME SYSTEM EXCLUSIVE]

F0 7F <device ID> 0B 01 {cc vv} {cc vv} {cc vv} ... {cc vv} {cc vv} F7

F0 7F	Universal Real Time SysEx header
<device ID>	ID of target device (7F = all devices)
0B	sub-ID#1 = Scalable Polyphony MIDI
01	sub-ID#2 = MIP Message
cc	MIDI Channel number (0x00 = ch1, 0x01 = ch2 etc.)
vv	Maximum Instantaneous Polyphony (MIP) value of the previous cc value
F7	EOX

Title: Maximum Instantaneous Polyphony Message _____ CA#: 029

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