Universal System Exclusive Messages

The following table lists all currently defined Universal System Exclusive Messages.   Universal System Exclusive Messages are defined as Real Time or Non-Real Time, and are used for extensions to MIDI that are NOT intended to be manufacturer exclusive (despite the name).

Many of these messages are defined in Specifications whose printed documentation is available from the MMA. Others are defined in Recommended Practice documentation that may be found on this web site.

WARNING! Details about implementing these messages can dramatically impact compatibility with other products. We strongly recommend consulting the appropriate MMA Specification or Recommended Practice for additional information.

Table 4: Defined Universal System Exclusive Messages			
Non-Real Time (7EH)			
SUB-ID #1	SUB-ID #2	DESCRIPTION	
00		Unused	
01		Sample Dump Header	
02		Sample Data Packet	
03		Sample Dump Request	
04	nn	MIDI Time Code	

	00		Special
	01		Punch In Points
	02		Punch Out Points
	03		Delete Punch In Point
	04		Delete Punch Out Point
	05		Event Start Point
	06		Event Stop Point
	07		Event Start Points with additional info.
	08		Event Stop Points with additional info.
	09		Delete Event Start Point
	0A		Delete Event Stop Point
	0B		Cue Points
	0C		Cue Points with additional info.
	0D		Delete Cue Point
	0E		Event Name in additional info.
05	nn		Sample Dump Extensions
	01		Loop Points Transmission
	02		Loop Points Request
	03		Sample Name Transmission
	04		Sample Name Request
	05		Extended Dump Header
	06		Extended Loop Points Transmission
	07		Extended Loop Points Request
06	nn		General Information
	01		Identity Request
	02		Identity Reply

07	nn		File Dump
	01		Header
	02		Data Packet
	03		Request
08	nn		MIDI Tuning Standard (Non-Real Time)
	00		Bulk Dump Request
	01		Bulk Dump Reply
	03		Tuning Dump Request
	04		Key-Based Tuning Dump
	05		Scale/Octave Tuning Dump, 1 byte format
	06		Scale/Octave Tuning Dump, 2 byte format
	07		Single Note Tuning Change with Bank Select
	08		Scale/Octave Tuning, 1 byte format
	09		Scale/Octave Tuning, 2 byte format
09	nn		General MIDI
	01		General MIDI 1 System On
	02		General MIDI System Off
	03		General MIDI 2 System On
0A	nn		Downloadable Sounds
	01		Turn DLS On
	02		Turn DLS Off
	03		Turn DLS Voice Allocation Off
	04		Turn DLS Voice Allocation On
0B	nn		File Reference Message
	00		reserved (do not use)
	01		Open File

	02	Select or Reselect Contents
	03	Open File and Select Contents
	04	Close File
	05-7F	reserved (do not use)
0C	nn	MIDI Visual Control
	00-7F	MVC Commands *(See MVC Documentation)*
0D	nn	MIDI Capability Inquiry
	00-7F	Inquiry/Response Messages (See Documentation)
7B	--	End of File
7C	--	Wait
7D	--	Cancel
7E	--	NAK
7F	--	ACK

Real Time (7FH)		
SUB-ID #1	**SUB-ID #2**	**DESCRIPTION**
00	--	Unused
01	nn	MIDI Time Code
	01	Full Message
	02	User Bits
02	nn	MIDI Show Control
	00	MSC Extensions
	01-7F	MSC Commands *(see MSC Documentation)*
03	nn	Notation Information
	01	Bar Number

	02		Time Signature (Immediate)
	42		Time Signature (Delayed)
04	nn	Device Control	
	01		Master Volume
	02		Master Balance
	03		Master Fine Tuning
	04		Master Coarse Tuning
	05		Global Parameter Control
05	nn	Real Time MTC Cueing	
	00		Special
	01		Punch In Points
	02		Punch Out Points
	03		(Reserved)
	04		(Reserved)
	05		Event Start points
	06		Event Stop points
	07		Event Start points with additional info.
	08		Event Stop points with additional info.
	09		(Reserved)
	0A		(Reserved)
	0B		Cue points
	0C		Cue points with additional info.
	0D		(Reserved)
	0E		Event Name in additional info.
06	nn	MIDI Machine Control Commands	
	00-7F		MMC Commands *(See MMC Documentation)*

07	nn	MIDI Machine Control Responses	
	00-7F	MMC Responses *(See MMC Documentation)*	
08	nn	MIDI Tuning Standard (Real Time)	
	02	Single Note Tuning Change	
	07	Single Note Tuning Change with Bank Select	
	08	Scale/Octave Tuning, 1 byte format	
	09	Scale/Octave Tuning, 2 byte format	
09	nn	Controller Destination Setting *(See GM2 Documentation)*	
	01	Channel Pressure (Aftertouch)	
	02	Polyphonic Key Pressure (Aftertouch)	
	03	Controller (Control Change)	
0A	01	Key-based Instrument Control	
0B	01	Scalable Polyphony MIDI MIP Message	
0C	00	Mobile Phone Control Message	

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