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Author: David Timmins

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MIDI Show Control (MSC) Messages for Vista

Introduction

This document summarises the MSC commands supported in Vista 2.3 and Vista 3.0 so that appropriate MIDI SYS-EX messages can be assembled.

Message Structure

The general format of a MIDI Show Control message to suit Jands Vista software is:

F0 7F [Device_ID] 02 01 [Command] [Data] F7

where:

- **Device_ID** is the same value as set on the File -> User Preferences -> MIDI tab. Note that the value shown in Vista is decimal (eg '1') whereas the value used in the MIDI message must be the hexadecimal equivalent (eg '01'). One byte only.
- **Command** specifies the command to be executed. One byte only.
- **Data** is the information required for the command. MSC messages represent Cues and Cuelists numerically using ASCII numbers and the ASCII period. Variable length.

Vista Supported MSC Messages

MSC Command	MSC	Enter	Data	Notes
Go	0x01	01	Cue*	Vista "Go" using programmed cue time
Stop	0x02	01	Cue*	Vista "Pause"
Go_Jam	0x10	10	Cue*	
Go_Off	0x0B	0B	Cue*	Vista "Release" for that Cue
Timed_Go	0x04	04	Cue*, Time	Vista "Go" with time specified in the command
All_Off	0x08	08		Effectively turns the GM to 0.
Restore	0x09	09	Cue*	Reverses "All_Off" command
Reset	0x0A	0A		Vista "Release All"
Open_Cuelist	0x1B	1B	Cuelist	Makes a Cuelist available to other commands
Close_Cuelist	0x1C	1C	Cuelist	Makes a Cuelist unavailable to other commands
Start_Clock	0x15	15		Timecode command
Stop_Clock	0x16	16		Timecode command
Fire	0x07	17		Load a Vista Snapshot

* If no cue number is specified, the next cue in numerical sequence is assumed.



Representing numbers

The values for **Cue** and **Cuelist** are numbers represented in ASCII format as follows:

Number	ASCII	Enter as	Number	ASCII	Enter as
0	0x30	30	6	0x36	36
1	0x31	31	7	0x37	37
2	0x32	32	8	0x38	38
3	0x33	33	9	0x39	39
4	0x34	34			
5	0x35	35	. (Decimal point)	0x2E	2E

Where required Include 00 between Cue and Cuelist numbers in a single command.

Examples

To...	Send this command (Command Data is in red)
Go cue 123.45	F0 7F 01 02 01 01 31 32 33 2E 34 35 F7
Go Cue 34.5 List 12	F0 7F 01 02 01 01 33 34 2E 35 00 31 32 F7
Go Off Cue 34.5 List 12	F0 7F 01 02 01 0B 33 34 2E 35 00 31 32 F7
Open Cuelist 19	F0 7F 01 02 01 1B 31 39 F7
Go next Cue	F0 7F 01 02 01 01 F7
Close Cuelist 19	F0 7F 01 02 01 1C 31 39 F7
All Off	F0 7F 01 02 01 08 F7
Fire 12	F0 7F 01 02 01 07 0C F7
Start Clock List 98	F0 7F 01 02 01 15 39 38 F7

Unsupported Commands

Vista does not support the following MSC commands:

- Load
- Set
- Open_Q_Path
- Close_Q_Path
- Standby_Plus
- Standby_Minus
- Sequence_Plus
- Sequence_Minus

Refer to the Vista user guide for detailed information on the supported commands.