Example

MIDI Show Control

by:	Sebastian Beutel, February 2020
published:	here
description:	macros to send some MIDI commands which control MSC-enabled devices/software
remarks:	In order to run this over other ways than real 5pin MIDI Titan v13 is required See https://www.facebook.com/groups/Avolites/permalink/1791621797636713/

MIDI, MSC

functions

- Panel.Midi.Send

The complete file with all commands/macros:

midishowcontrolmacros.xml

Code

MidiShowControlShortlist.xml

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros>

  <!-- MSC Reset -->
  <macro name="MSC Reset" id="Avolites.Macros.MSC.Reset">
    <sequence>
      <step>Panel.Midi.Send("F0 7F 7F 02 01 0A F7")</step>
    </sequence>
  </macro>

  <!-- MSC Go -->
  <macro name="MSC Go" id="Avolites.Macros.MSC.Go">
    <sequence>
      <step>Panel.Midi.Send("F0 7F 7F 02 01 01 F7")</step>
    </sequence>
  </macro>

  <!-- MSC Stop -->
  <macro name="MSC Stop" id="Avolites.Macros.MSC.Stop">
    <sequence>
      <step>Panel.Midi.Send("F0 7F 7F 02 01 02 F7")</step>
    </sequence>
  </macro>
```

```
</avolites.macros>
```

Explanation

This explains the functional steps within the sequence. For all the other XML details please refer to Formats and syntax

Upon starting such a macro a predefined MIDI command is being sent. For the available commands see http://www.richmondsounddesign.com/docs/midi-show-control-specification.pdf however it depends from the device/software which commands are supported.

The Go macro is an example:

- the message `F0 7F 7F 02 01 01 F7` comprises of
  - `F0 F7` ⇒ Universal Real Time SysEx
  - `7F` ⇒ device ID. 7F is all devices
  - `02` ⇒ MIDI machine control command
  - `01` ⇒ command format; 01 = General Lighting
  - `01` ⇒ command (e.g. 01 = Go)
  - `F7` ⇒ end of Universal Real Time SysEx message
- When editing know that all data is hexadecimal.
- Additional data (e.g. cue numbers) need to be hex-encoded ascii chars.
  - cue 1 = 31
  - cue 1.5 = 31 2E 35

How to use it

1. make this macro available
2. for general information about using MIDI to control other devices see MMC - MIDI Machine Control
3. depending from your setup you might need to use virtual MIDI patchcords like LoopMIDI or rtpMidi, see Software List
4. sending out MIDI e.g. over USB or network is supported from Titan v13 on

From:
https://www.avosupport.de/wiki/ - **AVOSUPPORT**

Permanent link:
https://www.avosupport.de/wiki/macros/example/midishowcontrol

Last update: **2020/03/09 13:59**