

Example

# MIDI Note On/Off

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<b>description:</b>	Here are macros to send Note On and Off commands from the MIDI out port on the console.
<b>remarks:</b>	Code below is shortened for better overview. For the long version - MIDI Notes 1~20 - refer to <a href="#">the original post</a> .
	This works only with real consoles as Titan doesn't support MIDI over USB. Only the real 5pin MIDI ports on Avo hardware are supported. Furthermore, a MIDI <b>output</b> is required - only Tiger Touch and above, no Titan Mobile or Quartz.

## functions

- [Panel.Midi.NoteOn](#)
- [Panel.Midi.NoteOff](#)

## Code

[sendmidi.xml](#)

```
<?xml version="1.0" encoding="utf-8"?>
<avolites.macros xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="Avolites.Menus.xsd">

  <!-- MIDI Note On -->
  <macro name="MIDI Note 1 On" id="Avolites.Macros.MidiNoteOn">
    <sequence>
      <step>Panel.Midi.NoteOn(0,1,127)</step>
    </sequence>
  </macro>

  <macro name="MIDI Note 2 On" id="Avolites.Macros.MidiNoteOn">
    <sequence>
      <step>Panel.Midi.NoteOn(0,2,127)</step>
    </sequence>
  </macro>

  <!-- MIDI Note Off -->
  <macro name="MIDI Note 1 Off" id="Avolites.Macros.MidiNoteOn">
    <sequence>
      <step>Panel.Midi.NoteOff(0,1,127)</step>
    </sequence>
  </macro>

  <macro name="MIDI Note 2 Off" id="Avolites.Macros.MidiNoteOn">
```

```
<sequence>  
  <step>Panel.Midi.NoteOff(0,2,127)</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](#)

As macros currently don't support parameters, you need to use individual macros (which call the appropriate function with the respective parameters) per note you want to send:

- Panel.Midi.NoteOn(0,1,127) sends a NoteOn, channel 0, note 1, velocity 127
- Panel.Midi.NoteOn(0,2,127) sends a NoteOn, channel 0, note 2, velocity 127
- Panel.Midi.NoteOff(0,1,127) sends a NoteOff, channel 0, note 1, velocity 127
- Panel.Midi.NoteOff(0,2,127) sends a NoteOff, channel 0, note 2, velocity 127

## How to use it

- [make this macro available](#)
- fire the macros as you require. This might be useful for external applications which cannot be controlled by DMX/Art-Net/sACN.

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

Permanent link:  
<https://www.avosupport.de/wiki/macros/example/midinotes?rev=1511344051>

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