## Main Menu –MIDI page open & RX Channel list selected

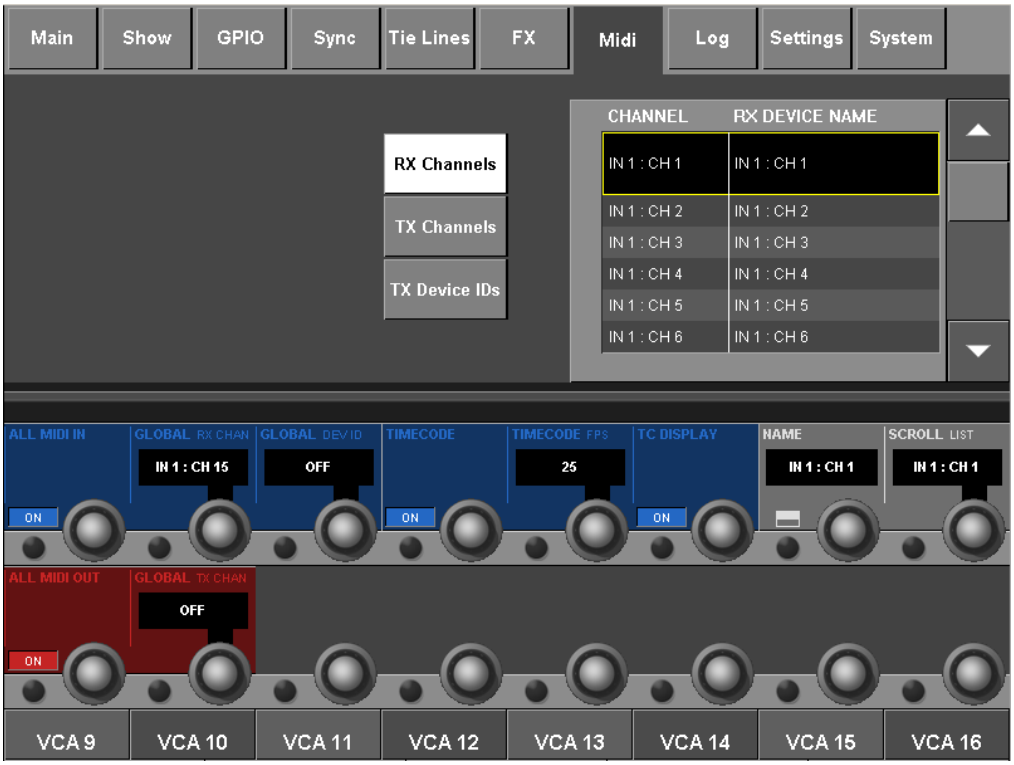


***Figure 22-1: MIDI RX Channels.***

The MIDI page of the Main Menu contains the following elements :

- Device Lists for TX MIDI Channel, RX MIDI Channel and TX MIDI Device ID.
- Global MIDI Receive Channel, On/Off and Global Receive MIDI Device ID
- Global MIDI Transmit Channel and On/Off switch.
- MIDI Timecode RX global On/Off switch and Frame Rate control.
- Display Timecode On/Off.

## DEVICE LISTS

The Device Lists are mapping tables that display all available MIDI channels (16 for RX, 32 for TX), and allows a user-defined name to be entered for each channel, corresponding to the connected device. There is also a third table that allows 128 Device IDs (similar to MIDI channels but for MMC and MSC messages) to be mapped to names.

Since each attached device is allocated its own MIDI channel or Device ID, this allows the user to see the actual device name in the Cue List EDIT MIDI page, making the selection of the required device easier.

By default the Device Name fields are populated with the same text as in the MIDI Channel fields, ie
'Channel 1' – 'Channel 16' (for RX).
'Channel 1 OUT1 – Channel 16 OUT1' and
'Channel 1 OUT2 – Channel 16 OUT2' (for TX)

The settings of the Device names are stored with the Show and are global for the console (not individual per-Cue).

The **<RX CHANNELS>**, **<TX CHANNELS>** and **<TX DEVICE ID>** buttons select one of the three Device Lists for viewing and name editing.

The **NAME** sub-page button opens the QWERTY keyboard and allows the default Device names to be edited.
The **SCROLL Devices** encoder allows fast scrolling of the selected list.

The List wraps around when scrolled – ie it is possible to scroll down from Chan 1 to Chan 16, and up from Chan 16 to Chan 1 in the case of RX, (or from OUT1:1 to OUT2:16 in the case of TX). This is of particular value in the case of the Device ID list, which has a values range from 0 to 127 (127 is displayed as ALL and cannot have its name edited).

**Global VST encoders**
These encoders are not related to the above Channel Lists. They are located immediately below the lists in order to keep the space on the left clear for future additions.

**MIDI IN:** The blue area of the screen controls parameters relating to MIDI input.

**ON** button: works as a global enable buttons for the MIDI IN – when this button is off, no reception is possible from the MIDI IN.

**GLOBAL RX CHAN** VST encoder: Sets the Global Receive MIDI Channel for the console. This channel can be referenced by the Cue List MIDI RX Channel parameter.
The Global receive channel may also be used in the future for functionality where the console needs to receive MIDI messages that are not associated with the Cue List triggering.
The value set here can nevertheless be selected from within the Cue List MIDI page as one of the available receive channels.

Values range : Off, 1-16, Omni. (*Omni mode means receiving on all channels*).
Default value: Omni

**GLOBAL RX DEVICE ID** VST encoder : Sets the Global Receive MID Device ID for the console.
This Device ID can be selected in the Cue List MIDI In page as one of the Device IDs for the MSC 'Goto Cue' trigger messages.
This may also be used in the future to allow a Device ID to be set for the console in case MMC or MSC commands need to be received by the console in future functionality which is not associated with triggering Cues.

Values range : Off, 0-127.
Default value : 127

**GLOBAL TIMECODE On/Off** VST encoder: Enables or disables the reception of MIDI Timecode. The MIDI Timecode can be set as a trigger for Cues, but if this parameter is set to Off, it will not be possible to recall any Cues with MTC, even if the individual Timecode On/Off switches in each Cue are set to On.

**GLOBAL TIMECODE FRAME RATE** VST encoder: Allows the frame rate for the internally set values for transmitted and received MIDI Timecode to be set. The frame rate of the incoming timecode timecode for cue triggering is automatically detected.
The frame rate parameter only affects the Frames parameter values range of any Timecode entry fields on the desk (ie: EDIT Cue Number field touched, and EDIT MIDI field touched and a MMC Locate TX event set up).

Values range : discrete values of 24, 25, 30 fps.
Default value : 25

TC Display {ON} key. When switched on, the incoming MIDI timecode value and its automatically detected frame rate is displayed instead of the show name on the main page in the control bay screen.

**MIDI OUT:** The red area of the screen controls parameters relating to MIDI output.

**ON** button: works as a global enable buttons for the 2x MIDI OUTs – when this button is off, no transmission is possible from either of the MIDI OUTs.

**GLOBAL TX CHAN** VST Encoder : Sets the Global Transmit MIDI Channel for the console.
This is not used currently but may be used for future functionality such as the transmission of MIDI messages from the faders and other desk controls.

Values Range : Off, Out1:1-16, Out2:1-16.
Default value: Off.

**All parameters in the Menu\MIDI page are stored in the current Show!**

## Main Menu –MIDI page open & TX Channel list selected

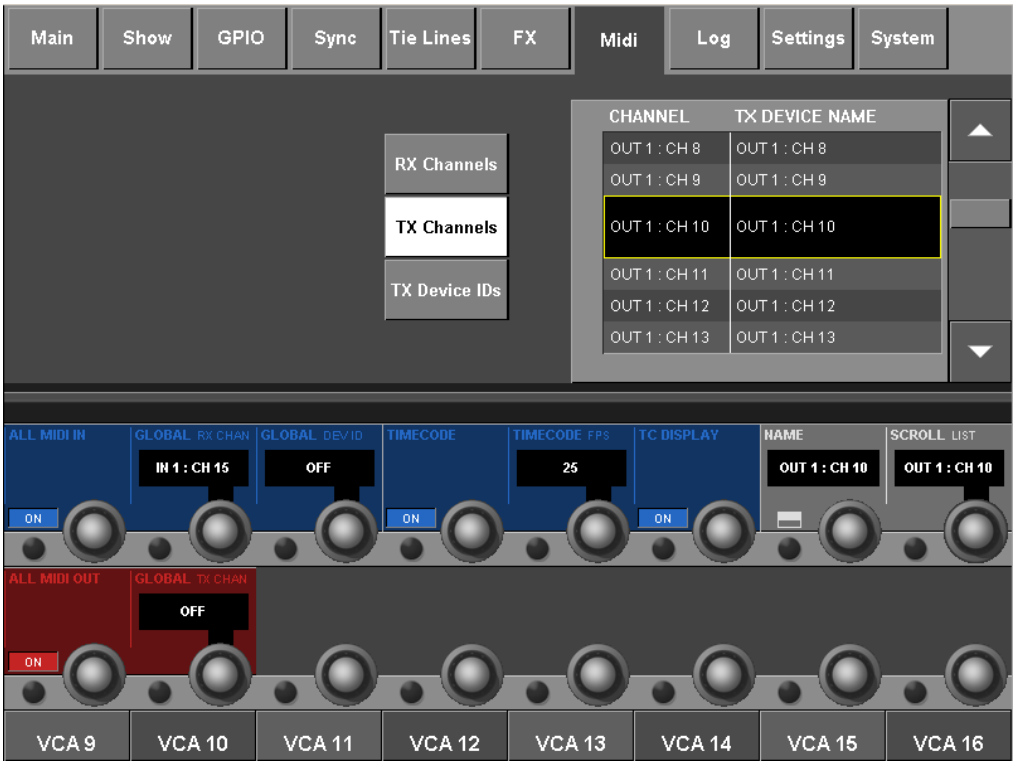


***Figure 22-2: MIDI TX Channels.***

Showing the Device List with the **Transmit Channels** button selected.

The **NAME** sub-page button opens the QWERTY keyboard and allows the default Device names to be edited.
The unedited names have the format:

OUT1: Channel 1
OUT1: Channel 2
|
V
OUT2: Channel 16

## Main Menu –MIDI page open & Transmit Device IDs list selected

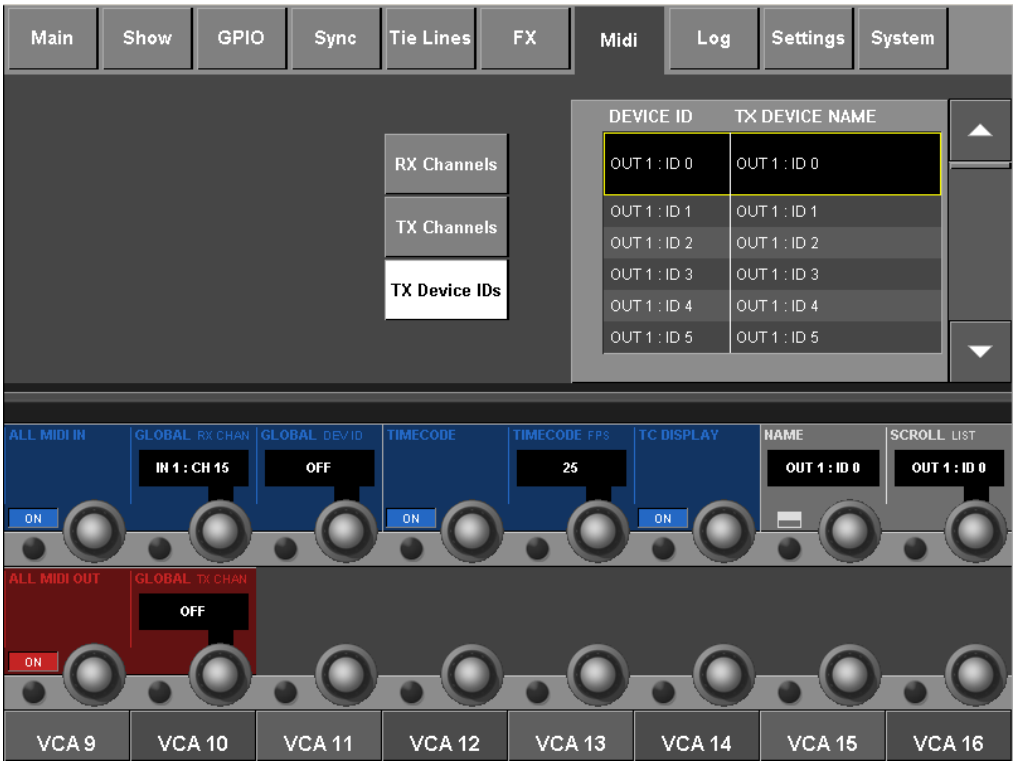


***Figure 22-3: MIDI TX Device IDs.***

Showing the Device List with the **Transmit Device IDs** button selected.

The **NAME** sub-page button opens the QWERTY keyboard and allows the default Device names to be edited.

Device ID 127
With MIDI Device IDs, the number 127 is a special case that is reserved for transmitting to ALL connected devices. Therefore the Device name for the number 127 is fixed as 'ALL' and it is not possible for the User to edit it.

## MIDI Event Types

| Event Type | Display as: | Value 1, data range<br>Value 2, data range | Cue List | |
|---|---|---|---|---|
| | | | TX | RX |
| Note On | Note On | Note value, 0-127 | Yes | Yes |
| | | Velocity 0-127 | Yes | No |
| Program Change | Prog Chng | Program No., 0-127 | Yes | Yes |
| | | - | | |
| Controller | Controller | Controller No., 0-127 | Yes | Yes |
| | | Value, 0-127 | | |
| SysEx String | SysEx | User-defined text string, transmitted as entered. | Yes | No |
| | | - | | |
| MIDI Show Control: GO TO CUE# | Go To Cue | Cue #, No. of cues in the cue list. | Yes | Yes |
| | | - | | |
| MIDI Machine Control (MMC): STOP,PLAY, FF, RW, EJECT, CHASE, PAUSE | MMC Stop<br>MMC Play<br>MMC Pause<br>MMC FF<br>MMC RW<br>MMC Eject<br>MMC Chase | DEVICE ID#, 0-127 | Yes | No |
| | | - | | |
| MIDI Machine Control (MMC): LOCATE | MMC Loc | DEVICE ID#, 0-127 | Yes | No |
| | | Timecode value, Hrs:min:sec:frames | | |
| MIDI Timecode (MTC) | MTC | Timecode value, Hrs:min:sec:frames | Yes | Yes |
| | | - | | |