Gotharman's zaTurn

Modular Synthesizer

Update Manual 11.38

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USB MIDI

It is now possible to connect MIDI keyboards and pad controllers, which have USB connectors, directly to Zaturn!
Zaturn will, in most cases, both supply the power, and receive the USB MIDI messages from the connected device, all with only one cable connection!

Connecting

Simply plug one end of the USB cable into the MIDI controller device and the USB A end of the cable into the Zaturn USB connector.

The USB LED will first light up in green, and then start to flash fast in green.
If the LED goes red:
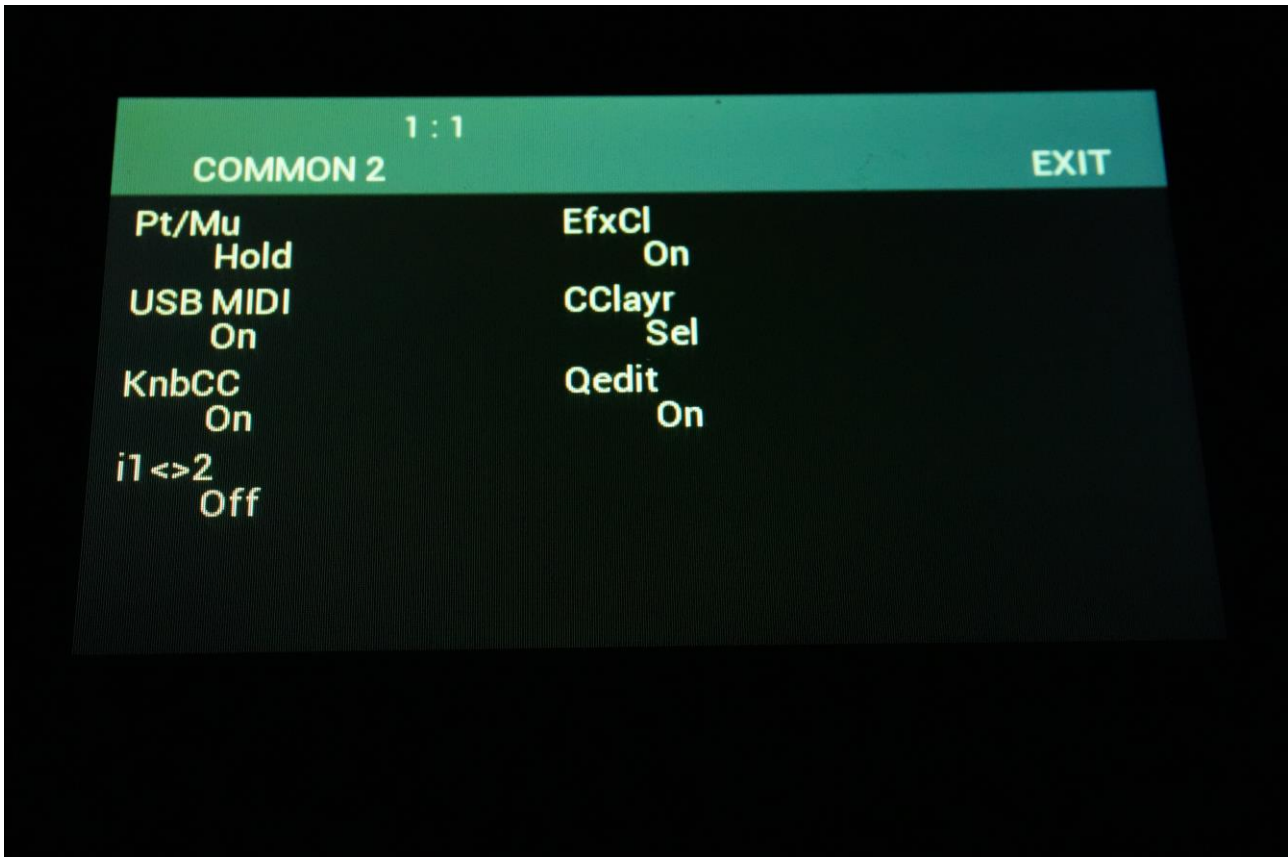The device you connected is drawing too much power.
It can though still be used. Either:
-Connect it via a powered USB hub.
Or:

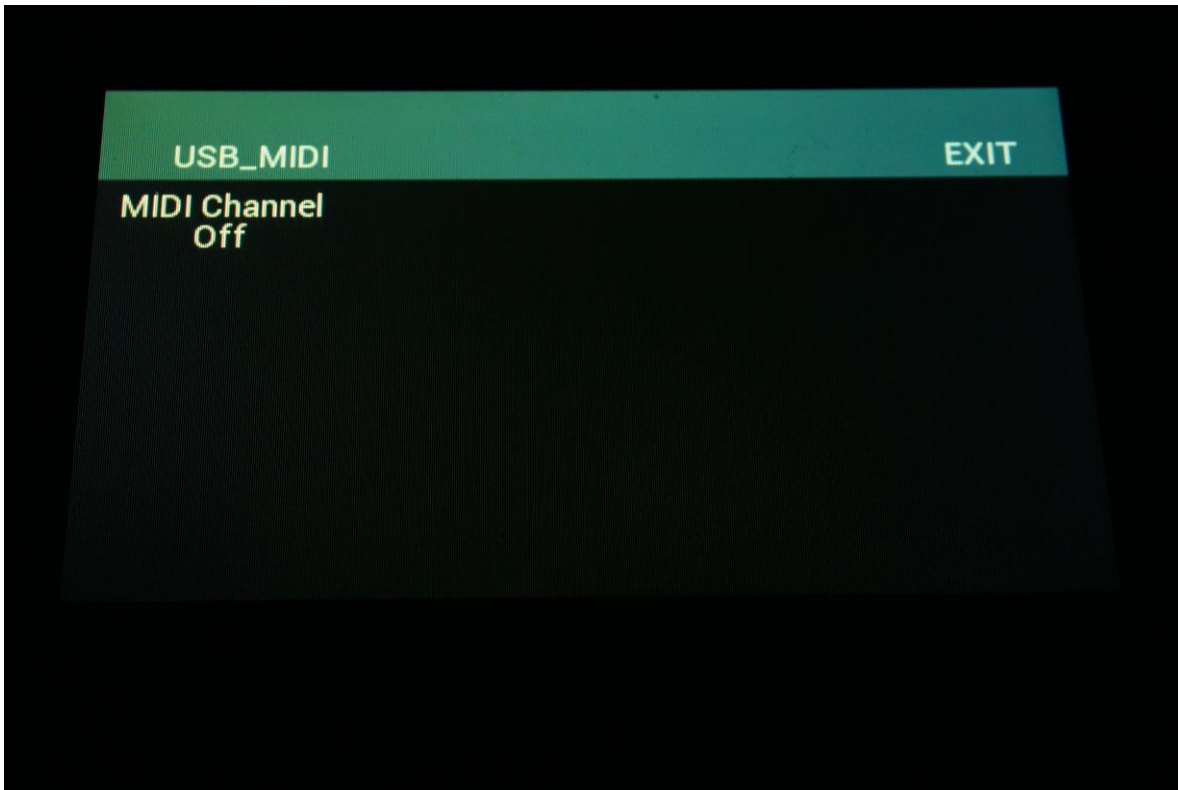-Go to the MOR>COM2 page, and switch USB MIDI to OFF.
Now the controller will only be powered from the USB connector, and you can connect a normal MIDI cable from the controller MIDI out to Zaturn MIDI in.

If the device is drawing more than 100 mA, the USB MIDI system will not connect, but it will still power devices that draw up to around 500 mA.

USB page

When a USB MIDI device is connected to the Zaturn USB connector, it enters USB MIDI mode, and the USB page will now look different, than when connecting a USB memory stick.

Currently this page only has one parameter:

MIDI Channel

This can be set to:

Off: The connected device will control the selected part on Zaturn, regardless of the MIDI channels set on Zaturn and the connected device. If Zaturn is in multi-timbral mode, it is possible to make key-splits in this mode, as long as the Zone channels are set to the same MIDI channel as the Global MIDI channel.

On: The connected device will control Zaturn according to the MIDI channels selected on Zaturn and the connected device.

If Zaturn is in **Select** mode, the controller will control the selected part, if its MIDI channel matches the Zaturn global MIDI channel.

If Zaturn is in **Omni** mode, the controller will control the selected part, regardless of the MIDI channel settings.

If Zaturn is in **Multi-Timbral** mode, the controller will control the parts, which are set up on the same MIDI channel as the controller.
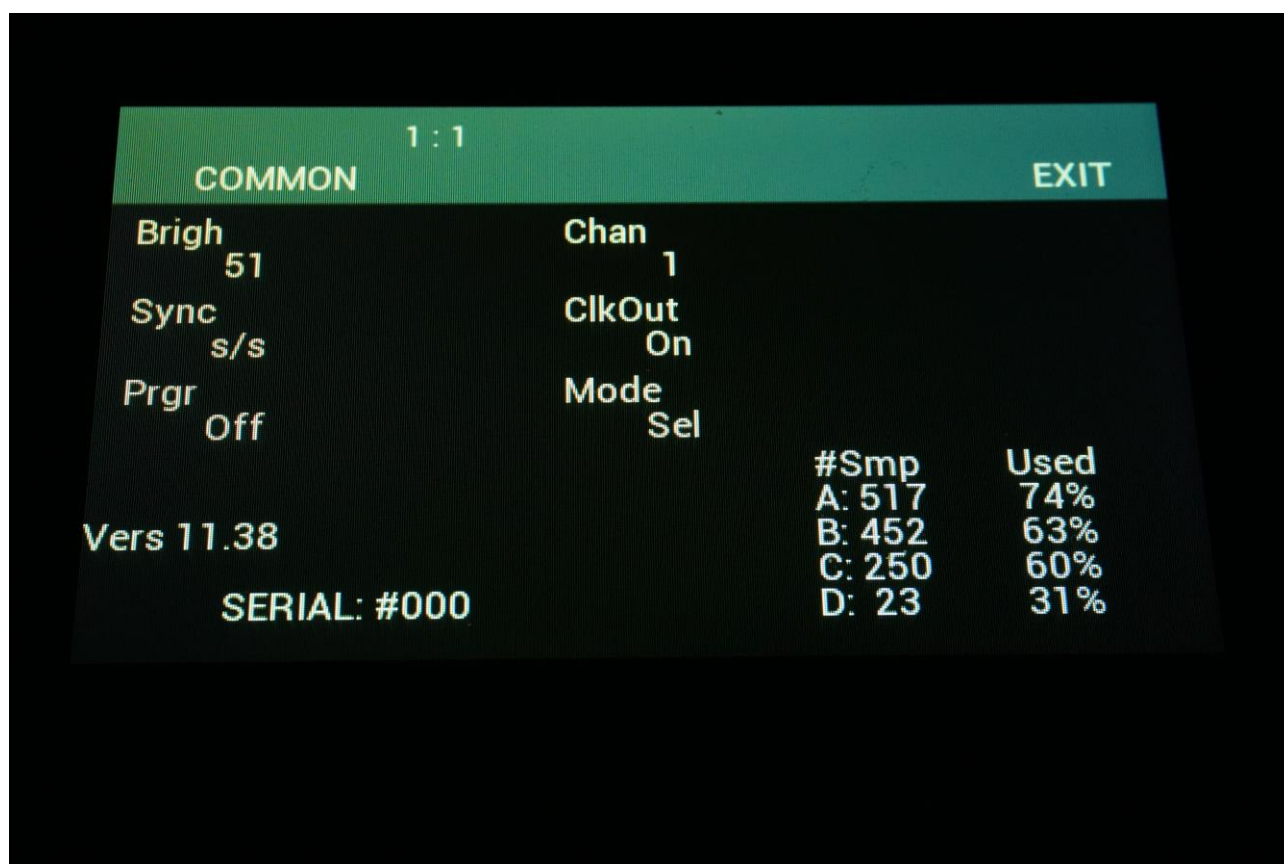
MIDI Start/Stop Sync

A new MIDI sync mode has been added to the Sync parameter on the MOR>COMMON page.

It is now possible to select:

Int: The sequencer syncs to the internal clock/tempo.

Ext: The sequencer syncs to a MIDI clock applied to the MIDI input or the USB connector. The sequencer will also start and stop, when MIDI start and stop messages are received.

s/s: The sequencer will start and stop, when MIDI start and stop messages are received, but MIDI/USB clock will be ignored. The sequencer tempo will still sync to the internal clock/tempo.

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