Firmware Troubleshooting

Apps

dout_buttons

dout_enc

enc_speed

iic_midi_sw_loopback

jitter_mon

lcd_interconnection_test

mbfm_interconnection_test

mbfm_testtone

mbsid_interconnection_test

A CORE→SID Module Interconnection Test

This application allows you to check the interconnections to the SID module with a multimeter. You can control the SID pins by sending a Modulation Wheel event to your MIDIbox SID - just connect a keyboard or use MIDI-Ox (View→Control Panel), or the MIOS MIDI Keyboard (click on the modulation wheel and use the cursor keys up/down).

By default all unselected pins are 0V, except for the CS# pin which is 5V

The Pins are mapped to following Modulation Wheel Values:

```
# 0: Pin A0 = 5V
# 1: Pin A1 = 5V
# 2: Pin A2 = 5V
# 3: Pin A3 = 5V
```

```
# 4: Pin A4 = 5V
# 5: Pin RES# = 5V
# 6: Pin D0 = 5V
# 7: Pin D1 = 5V
# 8: Pin D2 = 5V
# 9: Pin D3 = 5V
#10: Pin D4 = 5V
#11: Pin D5 = 5V
#12: Pin D6 = 5V
#13: Pin D7 = 5V
#14: Pin CS# = 0V
```

The current pin name selected will show on the LCD (if connected).

The pins are identified by : _?_

To measure the voltage (and test the connection to that pin is good), connect your multimeter's red lead to _?_ and the black lead to _?_ and select the pin using the modulation wheel.

mbsid_led_matrix_test

mbsid_testtone

mf_calibration

mf_direct_control

revision_id

srio_interconnection_test

Hints

From:
https://midibox.org/dokuwiki/ - **MIDIbox**

Permanent link:
https://midibox.org/dokuwiki/doku.php?id=home:skills:troubleshooting:firmware&rev=1246785106

Last update: **2009/07/05 09:11**