

How to check communication between Console and visualiser through the RS232 lead.

Testing the Console and the RS232 lead:

Set the Console to 'visualiser' mode.

- Turn the key to system
- Select 'C', User settings
- Using the arrow keys, move the arrow on screen to option 15
- Using the left and right arrow keys, toggle the option to 'Visualiser'
- Press 'F' quit.

Select the Midi view. (you will need a monitor attached).

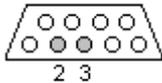
- Turn the key to System.
- Press 'A', Service
- Press 'D', Tests
- Press 'F', View Midi Codes.

This should bring up a window on the monitor that displays all the midi port outputs and inputs.

Connect the RS232 lead to the midi port on the consol.

Short out pins 2 & 3 on the D type.

- Take the 'D' type connector that usually connects to the PC
- Using a piece of wire or a paper clip, connect pin 2 to pin 3, (see diagram)



The MIDI screen should continuously display 5a in yellow followed by 5a in white, if it does this the cable and console are fine.

If it does not do this then you have a problem with either the RS232 cable or the console.

To check the console:

Get a standard Midi cable.

Connect both ends into the console.

Perform the same test as above, with the midi screen.

If it works then the console is fine and RS232 cable is at fault.

If not then the chances are the console is not working correctly, contact Avolites technical support.

Testing connection on the PC side:

Connect the D type back to the PC.

Set up visualiser to test the serial connection:

- Run the Visualiser program
- Go into Design mode
- Click on the 'Advanced' menu
- Click on 'Serial Comm'
- Set the correct com port
- Select the baud rate to 38400

Checking the data from the console to the PC

Make sure the console is still set up as it was for the previous test.

In the main white part of the screen you should see a number of letter Z's appearing one after the other. If this is the case then the PC is receiving ok, go to the next section below.

If this does not work try selecting another com port and make certain the D type is plugged in to the PC

If neither of these work the problem is within the PC or the operating system set-up. You will need to look at your computer manuals to make sure the com port has not been disabled.

Checking the data from the PC to the console

In the box labelled 'Send ASCII', type in number 1 on the PC keyboard, then press enter.

Now look at the console monitor.

On the 'MIDI monitor' screen you should see 31 in white.

If this works then you have communication between the console and the PC, check the Visualiser set up matches the com port you have selected in the serial data check screen.

If you still have difficulties, please contact "vis (at) avolitesdownload.com"