

MIDI to DMX

Hi there — I have built your MIDI-DMX project (September 2001, Ed.) using a PCB purchased from yourselves. I have checked everything and the project does not seem to function.

4 meg and 24 meg clocks are present, there is activity on the data and address busses but no output from the UART.

Is it possible there were any errata in the documentation etc?

Any ideas welcome.

Phill Macdonald (by email)

One of our prototypes was capricious when starting, giving erroneous UART operation. The only solution to get it to work properly was to add a push-button in parallel with capacitor C1 so we were able to reset the board manually, if necessary. Since fitting this button, the prototype has always worked correctly. Even if this phenomenon appeared on just one of our prototypes, we should mention this workaround. In the end we discovered that the BAUDOUT pin of IC6 was stuck at 66 Hz, when it should go to 4 MHz.

It is not clear from your message whether the supplied test program `dmx_tester.exe` works, nor if you programmed the EPROM yourself or purchased our ready-programmed device 010003-21.