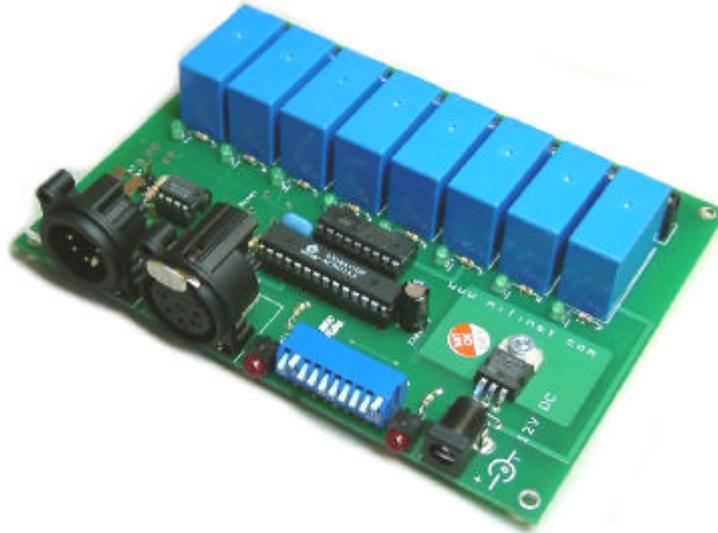


DMX Relay Board



The DMX Relay board provides up to 8 digital outputs when connected to a DMX theatre control network. The base address may be set to between 1 and 505.

Connections

The board requires a 12V DC supply at 0.5 Amps.

Connect the board to the DMX network using 5-pin connectors- if the Relay board is the last item on the network, remember to place a jumper over the pins marked TRM. This will improve the performance of the DMX network.

Connect your loads to the relevant volt-free relay outputs. Each relay is rated at 10 Amps at 240V AC.

Settings

Set the address of output # 1 as follows:

Add the value of the address switches set to the ON position to calculate the base address.

Eg: switches 16 and 32 set to ON, the base address is 48 and the data on channel 48 is used to determine the output of relay 1, 49 to determine relay 2 etc (when not in byte mode- see below)

Control Syntax

Byte Output switch set to Off:

The outputs reflect the state of the Most Significant Bit in the data- ie to turn relay 3 on with the board's base address set to 33, you would set the data in frame 35 to any value between 128 and 255. To turn the same relay off, you would set the data in frame 35 to any value between 0 and 127.

Byte Output switch set to On:

The output data byte corresponding to the base address is written to the output relays: if the base address is set to 33, then all the relays would be energised if channel 33 had the value of 255 and all relays except # 8 would be energised if the value of channel 33 was 128

Miscellaneous

Board Dimensions: 105x138 mm (4.125" x 5.4")

Fault LED flashes when no valid DMX signal stream is being received.

If switching large currents, ensure that leads are routed well away from the DMX cables otherwise you might experience interference and erratic operation.