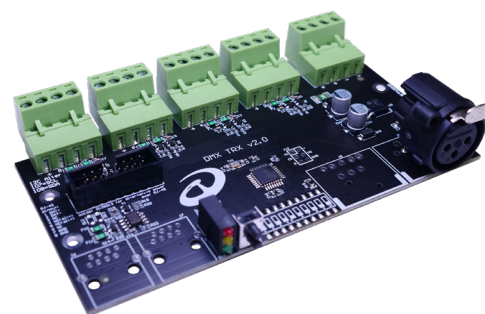


DMX TRX

DMX TRX 2.0 board provides easy to use solution for buttons to switch between different LED pixel animations running on SPI controller device.

After the button is pressed DMX TRX 2.0 sends a DMX command to SPI controller device, which will trigger corresponding animation. DMX TRX supports up to 7 different animations and 1 stop (8 separate buttons).

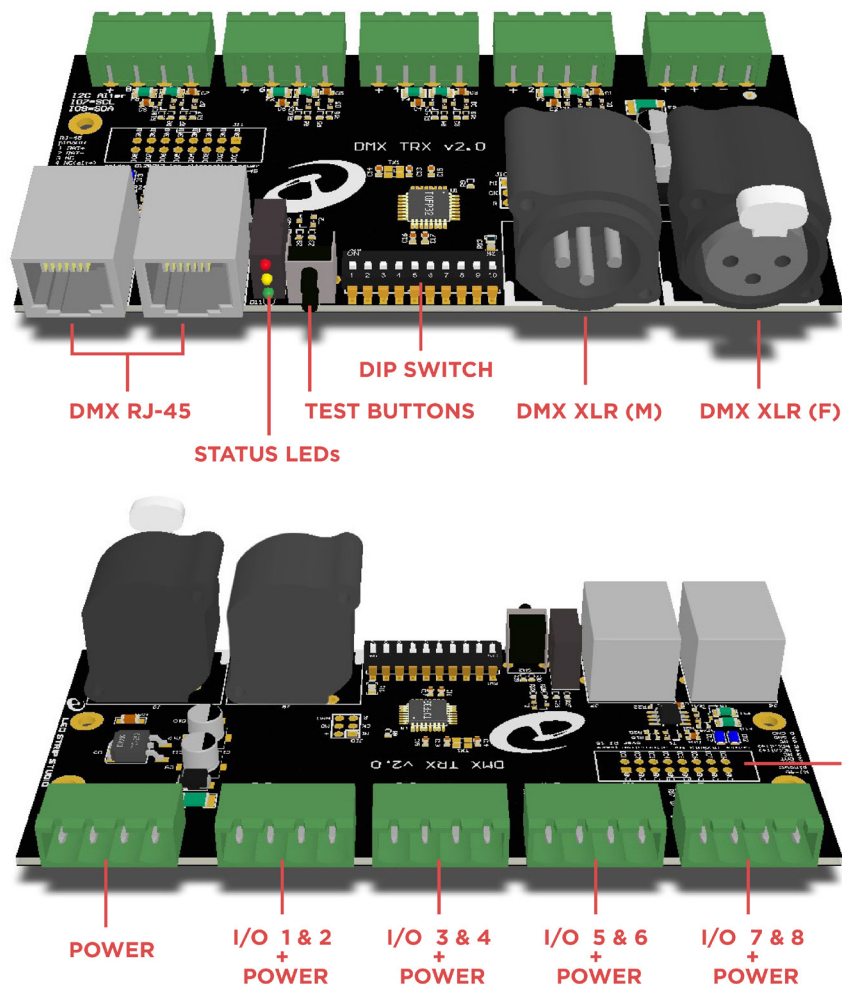
Supported devices: LED Ethernet Controller 3, SPI Matrix, SPI LED



Technical specification

Operating voltage	5-24V
Power consumption	0.1A
Maximum total pass thru	8A
I/O count	8
I/O type	5V TTL with internal pull-up. (Short to GND perform action)
I/O connector	16pin IDC MALE header connector with 2.54mm pin spacing.
DMX output	Standard DMX512 protocol, differential
DMX isolated	no
DMX connector	XLR 3pin FEMALE
Status LEDs	Green: Power, Yellow: DMX status, Red: I/O1 status
Dimensions	135x675x31 mm
PCB Weight	~100g
Enclosure	no, PCB only, 4x mounting hole diameter 3.2mm
Special features/options	- optionally 2x RJ-45 for DMX/passive POE, - optionally XLR 5pin for DMX - optionally can be powered by RJ-45 passive POE. POE power is not connected to power & I/O connectors - optional 10pole DIP switch - optional I/O connectors: 4pcs of 4 pole pluggable terminal block pitch 5mm. Each connector contain GND, 2x I/O and power. - optional test buttons: UP: I/O1 test, DOWN: I/O2 test

Technical specification (full assembly)



Connection diagram

