DTS16-F DMX/SWITCH DEVICE

The DMX DTS16-F device allows control any electrical devices (lights, motors, solenoids, etc.) from theatrical light desk via DMX line. Switching device is MOSFET transistor.

- **16 channels switching outputs with MOSFET transistor**
- **Optically isolated DMX input with parallel output**
- **overvoltage protection of DMX input**
- **LED indication of DMX line**
- **DIP switch for set DMX address**

DMX input

USITT DMX 512 (1990)

* Input is protected by transil diodes – high voltage protection by clamping action (peak power 600W, 10/1000us)

Switching output

16 switching outputs max 100V, 1A

Lower $R_{DS(ON)}$= 0.101Ohm (Typ.)

Lower Leakage Current – 10μA (Max.), V_{DS} = 100V

*integral reverse PN-diode in the MOSFET – peak diode recovery dv/dt = 6.5V/ns

Power supply

AC/DC 12-24V, 170mA

Temperature of use

-20...60°C

Housing

Steel housing with powder coating

110 x 44 x 145 mm

Weight

1.0 kg

XLR 5 pin connector (Neutrik®)

Pin 1	GND
Pin 2	Data -
Pin 3	Data +
Pin 4,5	Not connected

The DMX output is wired 1:1 to the DMX Input

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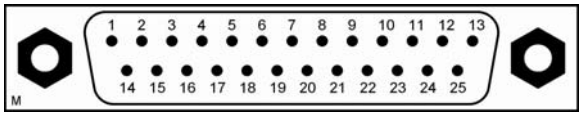
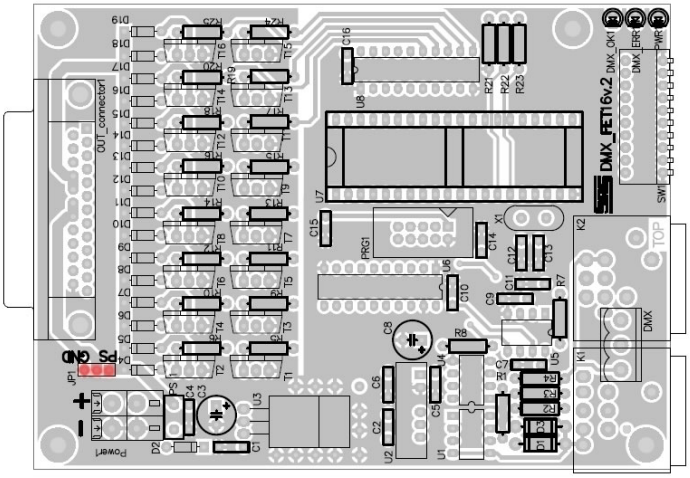
SUB-D male output connector

Pin 1-16 Output 1-16
Pin 17-18 +Vcc
Pin 19-20 selectable GND/VCC
- see connector JP1 below
Pin 21-25 GND

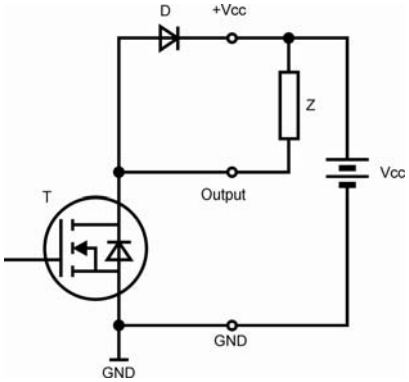


DMX switch card description



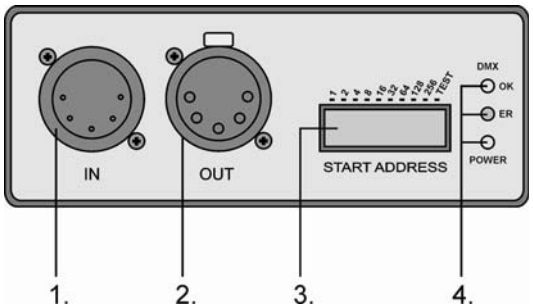
Marked Jumper JP1 is used for choosing GND or VCC on pins 19-20 - default GND

Scheme of connection load and power supply



T - MOSFET transistor
D - Protection diode
Z - Load
V_{CC} - power supply

Front panel description



1. DMX input
2. DMX output
3. Switch DMX start address (ON-up)
4. LED indication

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