

DMX SHUTTER

Projector

Shutter

The DMX Projector SHUTTER /dowser is a small device that is used to make a true blackout in the projection area. It can be used with all types of projectors.

This device is controlled via the DMX signal, USB port of a computer or using a manual switch with 3- or 5-pin DMX cable. The DMX is optically isolated and protected by transils.

The device comes with mounting straps, M10 thread for C-clamp and mounting points for line securing. This product requires flaps. They are made from high-quality aluminium and there are three sizes available.

Power supply

DC 12-15V, 100mA – 500mA

Operating temperature

-20 °C to +60 °C

Housing

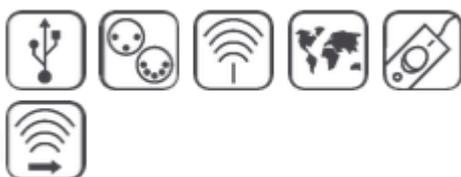
Steel; with powder coating

Dimensions & Weight

110 x 44 x 145mm, 0.8kg

Warranty

2 years



DMX SHUTTER features:

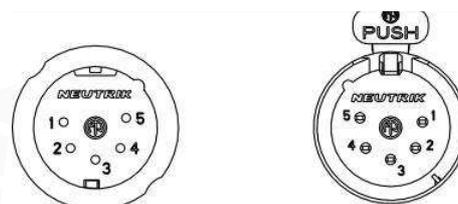
- DMX & USB controlled
- Switch button controlled on DMX pins 1 & 3
- Built-in power supply
- DMX true output
- LED indication of the DMX line
- Mirror function for usage in concurrent operations with two projectors
- EU/US/UK power lead

DMX 512

- USITT DMX 512 (1990)
- protected by transil diodes

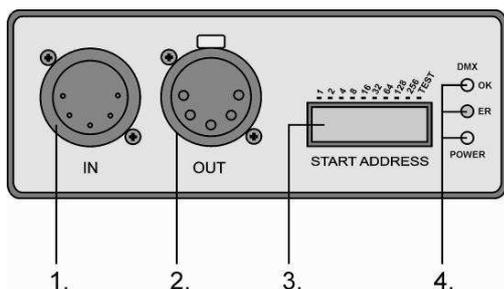
XLR 5-pin connector (Neutrik®):

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



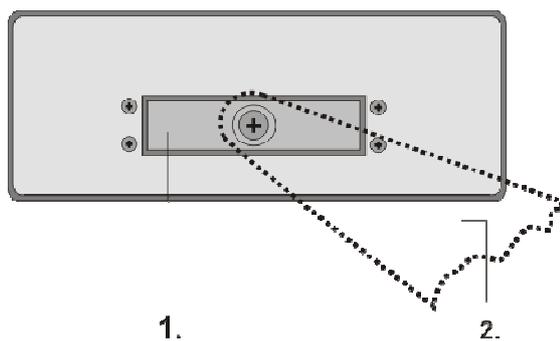
DMX_SHUTTER_en_datasheet_M036

Front panel description:



1. DMX input
2. DMX output
3. DMX start address switch (UP = ON)
Switch #10 is a MIRROR switch that inverts the zero position of flap:
DMX512 = zero position, DMX0 = 90 deg.
4. LED indication of DMX and power

Rear panel description:



1. Hi-Grade Servo motor
2. Mounted flap sketch

Device functions

DMX address selection: The DMX address is set using nine DMX DIP switches. The green OK LED is on when correct DMX signal is connected. Red LED is on when the DMX signal is connected with inverted polarity. The DMX signal is applied using a standard XLR-plug.

Mounting the blackout flap: The flap must be mounted on the servo motor axle. When the desired angle has been found, the flap can be tightened with a small black screw. When aligning the flap, make sure the device is turned off – the servo motor can be damaged when the movement line is obstructed by other devices.

DMX signal controlled projector shutter: When power adaptor and the DMX line have been connected, the projector shutter is ready for use. By changing the percentage of the chosen DMX address, the motor axle can be turned forward and backward according to the DMX percentage. The motor axle can turn from 0 to 90 degrees, 0% meaning 0 degrees and 100% being 90 degrees. The mirror movement of the flap can be achieved by setting of the switch #10 near the DMX address selector marked as TEST.

USB controlled projector shutter: DMX 1-512 projector shutter can also be controlled by the DMX. To control it, the DMX SW-UPG cable and software is needed. Ask us for the USB support.

Switch controlled projector shutter:

The shutter with the DMX interface has an optional switch button. Projector shutter can be controlled by a short circuit of the DMX lines 1 and 3 on the DMX cable. In this case, the DMX OK and DMX ERR LEDs are on. This signalizes that shutter's flap is closed – it is in 90-degree position. The movement can be inverted by the TEST switch #10.