SRS LIGHTING

DMX PROJECTOR SHUTTER

Instruction Manual

Models:

DMX SHUTTER-3
DMX SHUTTER-5

version 1.0 since 3 February 2020

General information

IMPORTANT INSTRUCTIONS

All safety and operating instructions should be read before the equipment is installed or operated.

IMPORTANT SAFETY INFORMATION

The following general safety precautions have to be observed during all phases of operation, service, and the repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and the intended use of this equipment.

Do not operate in an explosive atmosphere!

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

Water, moisture, heat and humidity

Do not operate this equipment near water or in areas with wet floors, or in high humidity atmosphere, where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air. It should not be installed or operated without proper ventilation.

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

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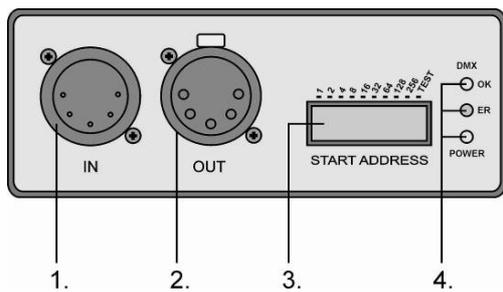
1. DMX input
2. DMX output
3. DMX start address switch (UP = ON)
   Switch #10 is a MIRROR switch that inverts the zero position of flap:
   DMX512 = zero position, DMX0 = 90 deg.
4. LED indication of DMX and power

Rear panel description:
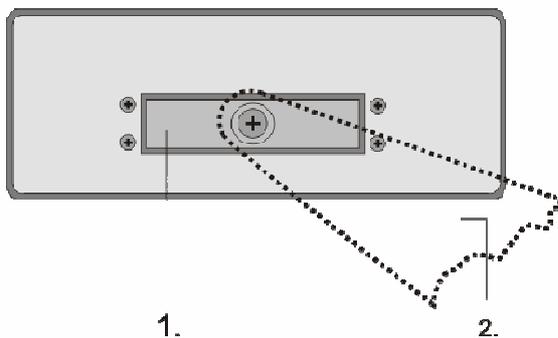
1. Hi-Grade Servo motor

2. Mounted flap sketch

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**
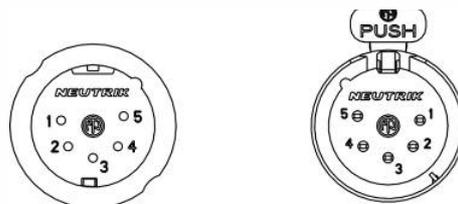
Device functions

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.

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.

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.

Address field:

x- single digit   software sends command only to X DMX start address
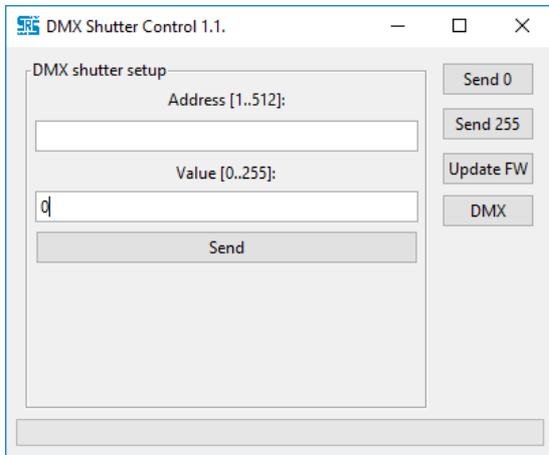
x,x multiple digits   software sends command to all DMX addresses separated by comma a sign
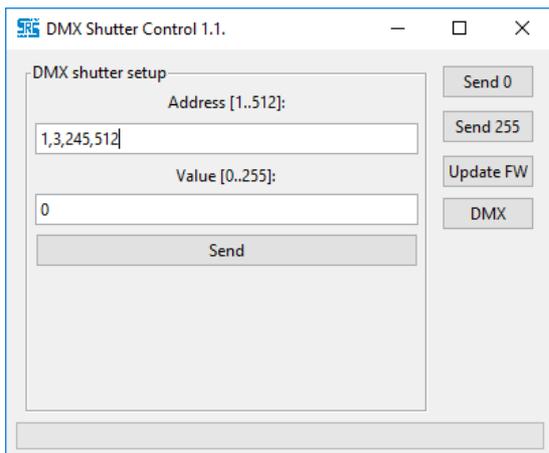
Value field:

Specifies the DMX value sent to desired channels: 0-255
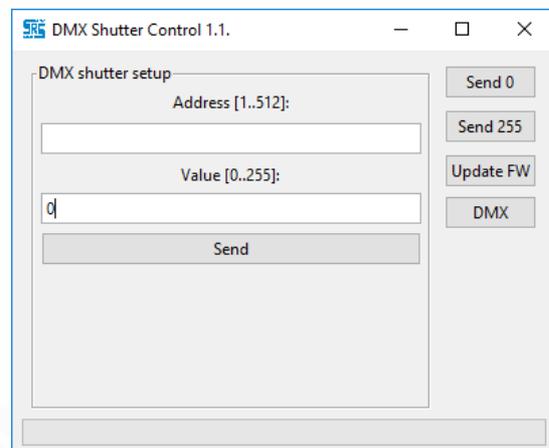
Firmware update:

Select the firmware file and click OPEN
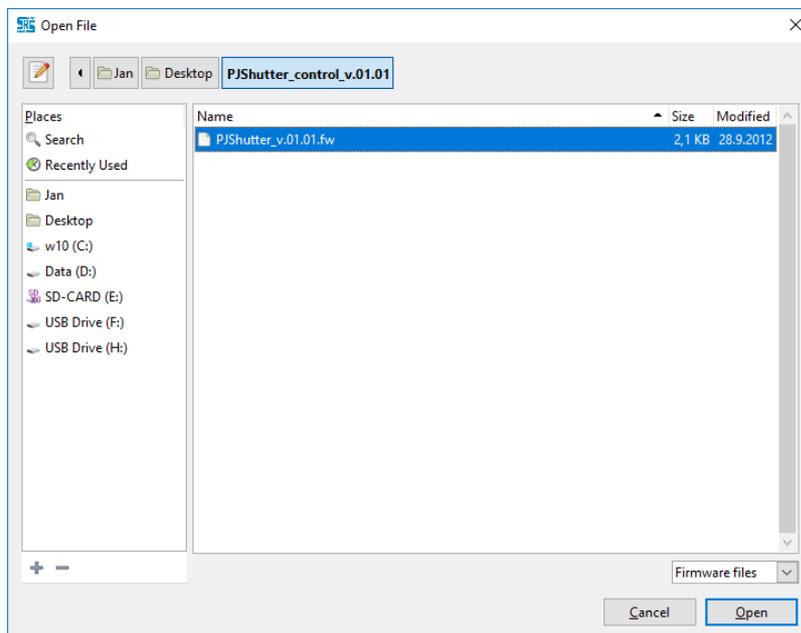
Warranty:

The product design should be varied to keep the product continuously updated. The product price should be subject to possible variations for eventual rises of production costs or duties. Claims for possible damages during the freight must be notified to the carrier. All claims must be notified to the distributor or manufacturer within 8 days from the receipt of goods. Buyer is responsible for the right installation and the use of the apparatus.

The apparatus is covered by a **TWO-YEAR** warranty from the date of purchase against defects of manufacture and components. Defects and breakages caused by wrong use/connection are not subject to warranty. For any dispute is competent the Tribunal of Bratislava, Slovak Republic.

DECLARATION OF CONFORMITY
According to guide lines 89/336 EEC and 92/31 EEC:

Name of producer: SRS Group s.r.o.

Address of producer: Rybnicna 36/D, SK- 83106 Bratislava, Slovak Republic

Declares that the product

Name of product: DMX Shutter
Type: DMX SHUTTER-3, DMX SHUTTER-5

Corresponds to the following product specifications:

Safety: EN60065, resp. EN 60950
EMC: EN55103-1, resp. EN55103-2

Bratislava, 10 May 2009   Robert Sloboda