



Studio Dimmer 12kW

Instruction Manual

Models:

DP12

version since 3 February 2020

ATTENTION!

This instruction manual contains important information about the installation and the use of the equipment. Please read and follow these instructions carefully.

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

Dimmer DP12 is designed to fulfill all the requirements of most lighting applications – television and other special scenarios when single-channel dimming is necessary. It is equipped with 400us Risetime choke which guarantees very low lamp noise.

Furthermore, the benefit of DP12 is an option to use the built-in W-DMX that allows controlling of the device without a DMX cable. Additionally, DMX OUT connector is a source of DMX signal for all other DMX equipment such as a color changer.

Features:

- **Convectional cooling without fan**
- **WDMX / DMX / Fader control**
- **Power output: 1 x 52 A / 12000W**
- **STUDIO Risetime 400us**
- **DMX address selector**
- **LTP function fader/DMX**
- **DMX input with THRU output**
- **W-DMX with DMX output function**
- **Phase-angle control via Thyristor**
- **Double overheat protection**
- **Variable input/output connectors**



DMX/W-DMX input with THRU output

USITT DMX 512

Power supply

AC230V / 40-65Hz, 63A single phase

Dimensions

Aluminium box: 270x260x420mm, weight: 12.5kg

Min./Max. load

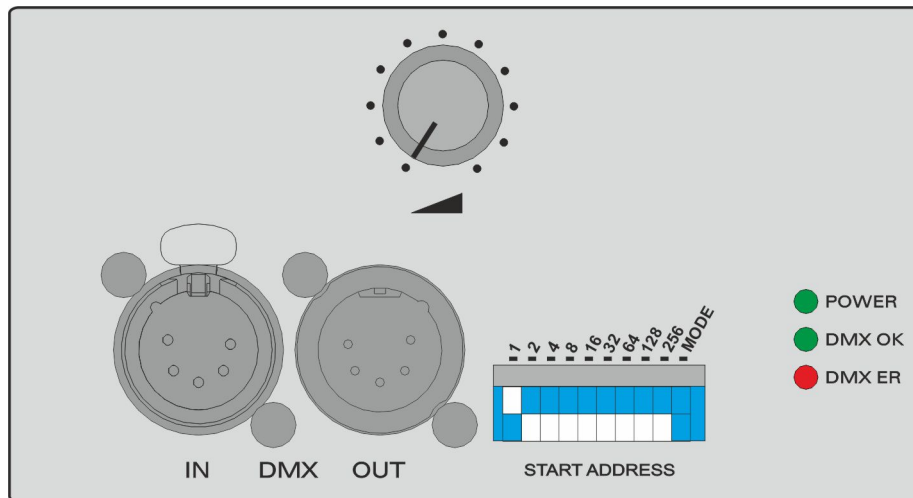
100W / 12000W

Device use:

Connect power to the power input and load to the output connector of DP12. Select the output value using the fader on the front panel. This value is in the LTP / Latest takes precedence / law with the DMX input. To avoid changes of DMX values, set the DIP switch #10 to the up position.

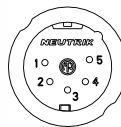
[LTP: the change of signal takes controlling of output power.]

Front panel description



1. DMX IN / DMX OUT connector

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



2. DMX start address and MODE selector switch

- DMX address : switches #0-9: active on TOP
- MODE switch : switch #10:
 - DMX & ANALOG – DIP switch in position 1 – TOP
 - ANALOG only – DIP switch in position 0 – BOTTOM

In analog only mode, the DMX OUT connector is disconnected from the DMX IN connector!!!

3. ANALOG fader knob

- 0-100% of output value

4. POWER LED

- Solid GREEN – all OK
- Blinking GREEN – overheat

5. DMX OK LED

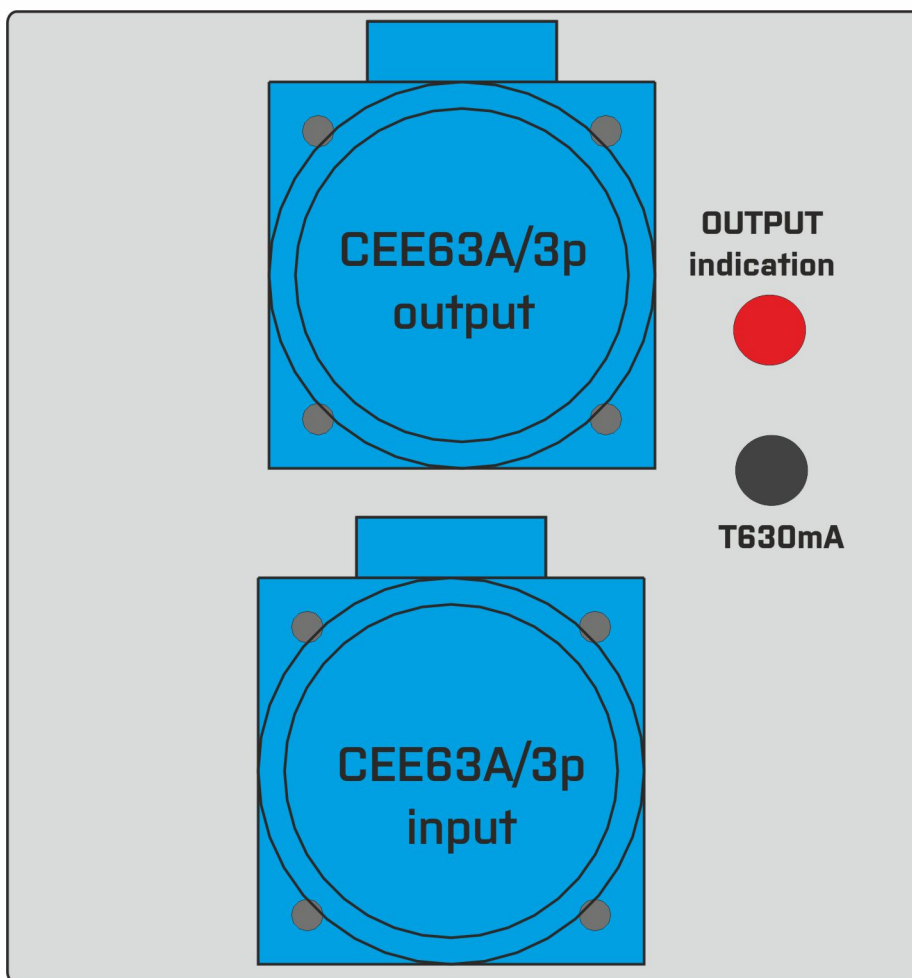
- Solid GREEN – DMX signal OK
- Off – DMX signal not present

6. DMX ERR LED

- Solid RED – DMX signal ERR – check cable for 2/3 inverted connection
- Off – DMX signal not present

Rear panel description

On the rear panel, there are 63A/3p IN/OUT connectors, the fuse for protection and the output indication.



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.

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 this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard. 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 and it should not be installed or operated without proper ventilation.

Device must be connected to the secured circuit with circuit breaker or main switch of maximum 16A. The device does not contain any fuses and there are no serviceable parts inside.

DECLARATION OF CONFORMITY



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: Single channel dimming unit

Type: DP12, DP12W

Corresponds to the following product specifications:

EN60065, resp. EN60950-1

EN55103-1:2009

55103-2:2009

EN55014

EN55011

Additional information:

All DMX512 and analogue inputs and outputs must be shielded and the shielding must be connected to the ground respective to the case of the corresponding plug. The unit and all connected apparatuses must also be earthed via main cable. Always check for correct shielding of the device.

A handwritten signature in black ink, appearing to read 'Robert Sloboda', written over a horizontal line.

Bratislava, 10 May 2009

Robert Sloboda

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