



# Single Channel 6kW Studio Dimmer

## Instruction Manual

Models:

**DP6**

version 1.0 since 21 July 2017

**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 DP5 is designed to fulfill all the requirements of most lighting applications – mainly in TV or special scenarios when the single channel dimming by various controlling ways it's necessary. It's equipped with 400us Risetime choke which guarantee very low lamp noise.

The other benefit of DP6 is option to use W-DMX inside which allows control device without DMX cable. Additionally DMX OUT connector will be as source of DMX signal for any other DMX equipment or color changer.



- **Convectonal cooled without fan**
- **WDMX / DMX / Fader control**
- **Power output: 1 x 26 A / 6000W**
- **Main breaker: D32A**
- **STUDIO Risetime 400uS**
- **DMX address selector**
- **LTP function fader/DMX**
- **DMX input with THRU output**
- **W-DMX with DMX output function**
- **Phase-angle control SSR**
- **Double Overheat protection**
- **Variable input/output connectors**

#### **DMX/W-DMX input with THRU output**

USITT DMX 512

#### **Power supply**

AC230V / 40-65Hz, CEE32A/3p, single phase

#### **Dimensions**

Aluminium: 270x220x360mm      9.7kg

#### **Min./Max. load**

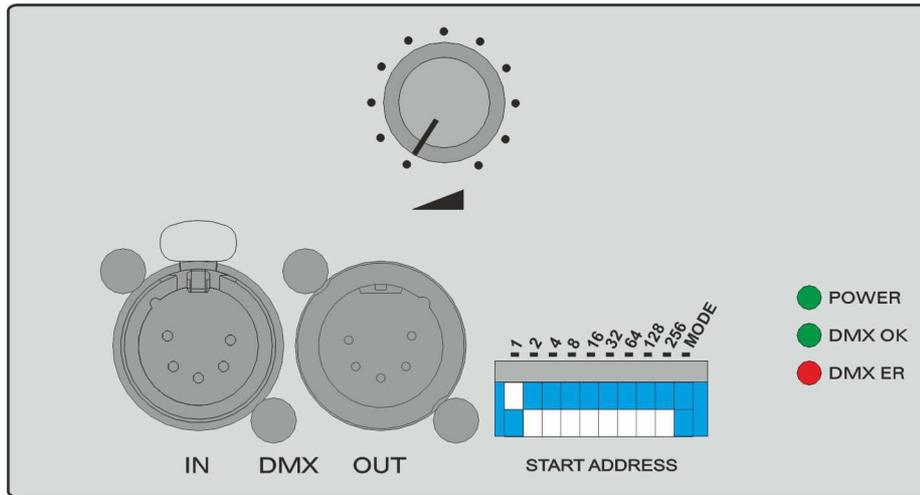
100W / 6000W

#### **Device use:**

Connect power power input and output load to the DP5. Via fader you can select the output value. This value is in LTP law with DMX input. For avoid changes via DMX please setup DIP switch #10 to the position of disabling DMX.

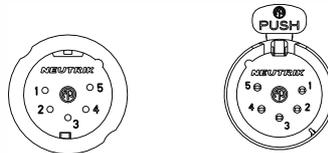
LTP: Latest takes precedence: change of signal take controlling of output power.

### 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

- a. DMX address : 0-9 switches : active on TOP
- b. MODE switch : 10 switch :
  - i. DMX & ANALOG – dip switch in position 1 – TOP
  - ii. ANALOG only – DIP switch in position 0 – BOTTOM

***In analog only mode the DMX OUT connector isn't connected to DMX IN connector!!!***

#### 3. ANALOG fader knob

- i. 0-100% of output value

#### 4. POWER LED

- i. Solid GREEN – all OK
- ii. Blinking GREEN – over temperature

#### 5. DMX OK LED

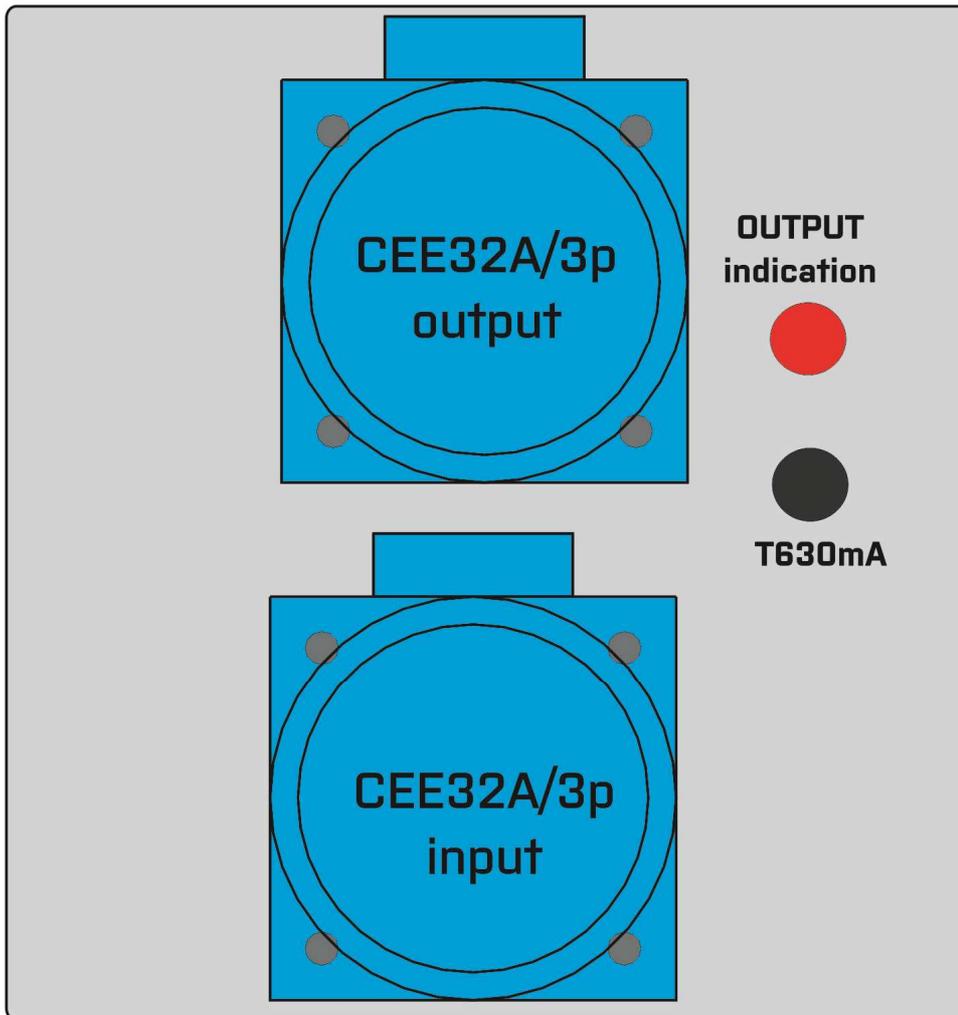
- i. Solid GREEN – DMX signal OK
- ii. Off – DMX signal not presence

#### 6. DMX ERR LED

- i. Solid RED – DMX signal ERR – check cable for 2/3 inv. connection
- ii. Off – DMX signal not presence

### **Rear panel description**

On rear panel are placed CEE32A/3p in/out connectors, fuse for protection of electronic and OUTPUT indication.



**IMPORTANT INSTRUCTIONS:**

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

**IMPORTANT SAFETY INFORMATIONS:**

The following general safety precautions have to be observed during all phases of operation, service, and repair of this equipment. Failure to comply with these precautions or with specific warning in this manual violates safety standards of design, manufacture, and 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, also not in high humidity atmosphere where condensation forms on the equipment. It should never be placed near or over 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 16A maximum. Device doesn't contain any fuse, no serviceable parts inside.

**Warranty:**

The product design should be varied to keep the product continuously updated. These prices 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. Any claim must be notified within 8 days from receive of the goods. The buyer is responsible of the right installation and use of the apparatus.

The apparatus is guaranteed for **TWO YEARS** from date of purchase against defects of manufacture or materials. Defects and breakages caused by wrong connection or use of the apparatuses are not subject to guarantee. For any dispute is competent the Tribunal of Bratislava.

## 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:** DP6, DP6W

*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', is written over a horizontal line.

Bratislava, 10 May 2009

Robert Sloboda



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Document: DP6\_en\_manual\_M056.doc | Version 1.0 | Actual as of: 21 July 2017



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