



LED dimmer unit

Instruction Manual

Models:

LD3230

ATTENTION!

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

ATTENTION!

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

1. General

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 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, 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.

Power connections

- This equipment must be earthed
- Wait for at least 10 minutes after the unpacking for adapting of the equipment
- Correctly to connect the power cable to PSU units please refer the producer manual for correct wiring.

2. Functions and Control of LED dimmer unit



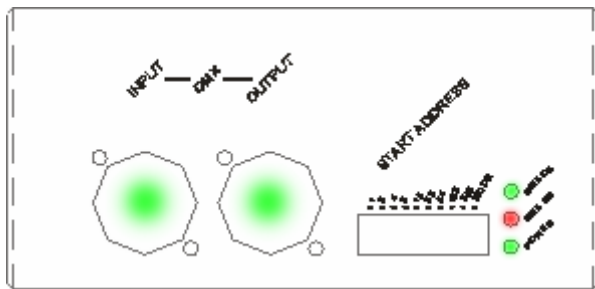
The LED 1230 provides 3 channels dimming of LED tubes with various lengths. It allows using 8bit/16bit DMX signal for micro step dimming of LED tube specially used in theaters, TV production.

Main features:

- **8bit/16bit control**
- **3 channels output /RGB/**
- **Neutrik NC5 or NC3 input connector**
- **Analogue input or potentiometer on request**
- **LED indication of DMX line state**

**DON'T COVER ANY AIR VENTILATION
HOLES ON BOX**

Front Panel Description:



DMX IN/OUT connectors

XLR 5 pin connector (Neutrik®)

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



DMX Start address switch:

1. Select DMX address
2. Last switch MODE is for 8/16bits mode selection – default is 8bit in OFF position

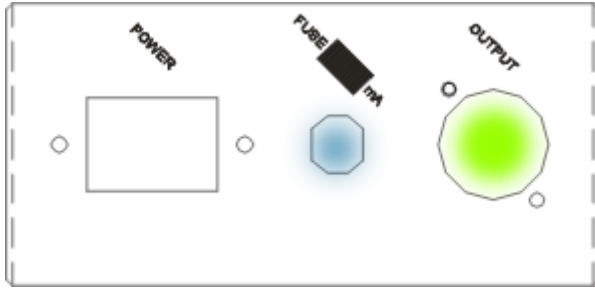
8/16bit resolution switch:

1. With DIP switch No.10 you can select if you're preferring standard 8bit resolution or advanced 16 bit resolution. Default setting is 8bit – DIP in OFF position /UP/.
With 8 bit resolution you have 256 steps. / From 0- full light/
With 16 bit resolution you have 65535 smooth steps. /from 0 – full light/
2. When you select 16 bit resolution the DMX addressing is:
 - a. DMX channel 1 : R-High byte
 - b. DMX channel 2: G-High byte
 - c. DMX channel 3: B-High byte
 - d. DMX channel 4: R-Low byte
 - e. DMX channel 5: G-Low byte
 - f. DMX channel 6: B-Low byte

DMX Status LED

1. GREEN is lighting if correct DMX signal connected
2. RED is lighting if uncorrected DMX signal connected
3. LED are off in DMX signal is missing

Rear Panel Description:



POWER Main line connector:

Main cable is in standard delivery

Main fuse:

Always use main fuse with value which is marked on box

OUTPUT fuse:

Output fuse is located inner of box. Refer to service manual for fuse change.

Technical data:

Power supply :

AC 230V

DMX input with TRUE output :

USITT DMX 512 (1990)

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

Temperature of use

-20...60°C

Housing

Steel housing with powder coating

Weight

2.5 kg

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