

CLS

DMX4

4 Channels DMX Dimmer



User Manual

2000

Made in Norway by

Compact Light System AS

www.cls.no - office@cls.no

Produced for CLS by Siemens productionsystem, SONEC AS, OSLO

The CLS DMX 4 Channel Dimmer

The CLS DMX4 dimmer

Specifications:

DMX 512(1990) standard protocol
4x1000W-Total max load: 20A
Noiseless on PA
Mounting in the truss/lightstands etc. together with the lamps
CLS Low-Heat-System
DMX in/out by Neutriks 3-pin XLR

Dip-switch settings for:

512 DMX addresses
Dimmer/switchpack mode
20/16A mode for use of 4x1000W lamps on 16A

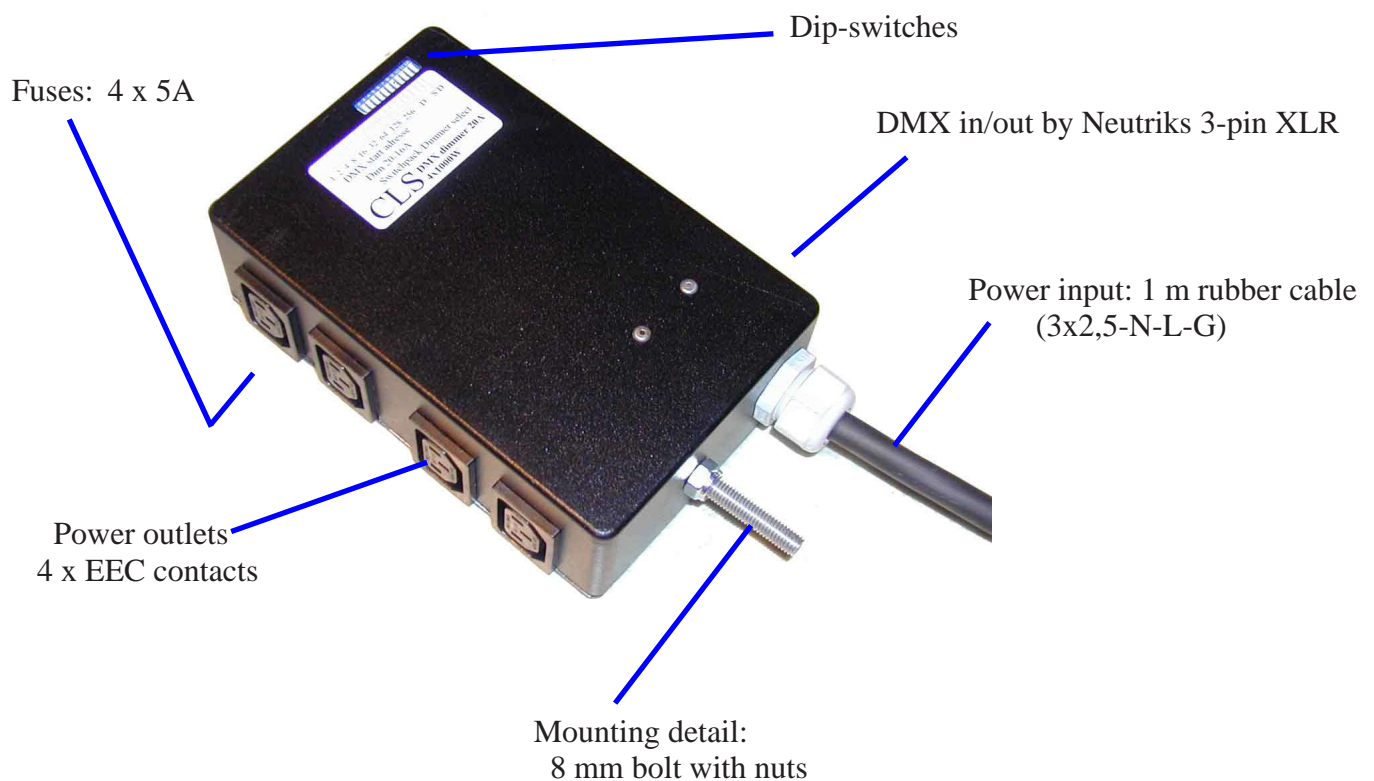
Fuses: 4 x 5A(5x20mm) outside mounting
1 x 1A(5x20mm) inside mounting

Power outlets: 4 x EEC contacts

Power input: 1 m rubber cable (3x2,5-N-L-G)

Mounting detail: 8 mm bolt with nuts

Ultra compact only: 19x12x6cm-2kg.



The CLS DMX 4 Channel Dimmer

How to start:

First of all - You have to find out what power outlet connector you should use for connecting the CLS DMX4 dimmer to the outlet from the powersource.

The connector depend on how much power the CLS DMX4 dimmer should handle.

230V total power with all 4 channels on full.

10A=2300W

16A=3600W

20A=4600W

This means that you have to count the power of all the lamps that you want to connect to the CLS DMX4 dimmer.

Ex1: 4xPar56 with CP300=4x300W=1200W total. You need a connector for 10A.

Ex2: 8xPar56(2 on each channel) with CP300=8x300W=2400W total. You need a connector for 16A.

Ex3: 4xPar64 with CP62=4x1000W=4000W total. Normally you need a connector for 20A to run all of them on full power. The CLS DMX4 dimmer has a special function. If you turn on the Dip-switch nr. 10, you will be able to use it on a 16A outlets without any risk of blowing the 16A fuse. See details about Dip-switch settings.

Important: DO NEVER CONNECT MORE THAN 1000W ON EACH CHANNEL OUTPUTS, EVEN IF YOU DON'T USE IT ON FULL POWER. THE UNIT WILL BE DAMAGED !!!

Connection: Blue:N - Brown:L - Green/Yellow:Ground

Important: ALWAYS MAKE ALL THE CONNECTIONS BEFORE CONNECTING THE POWER !

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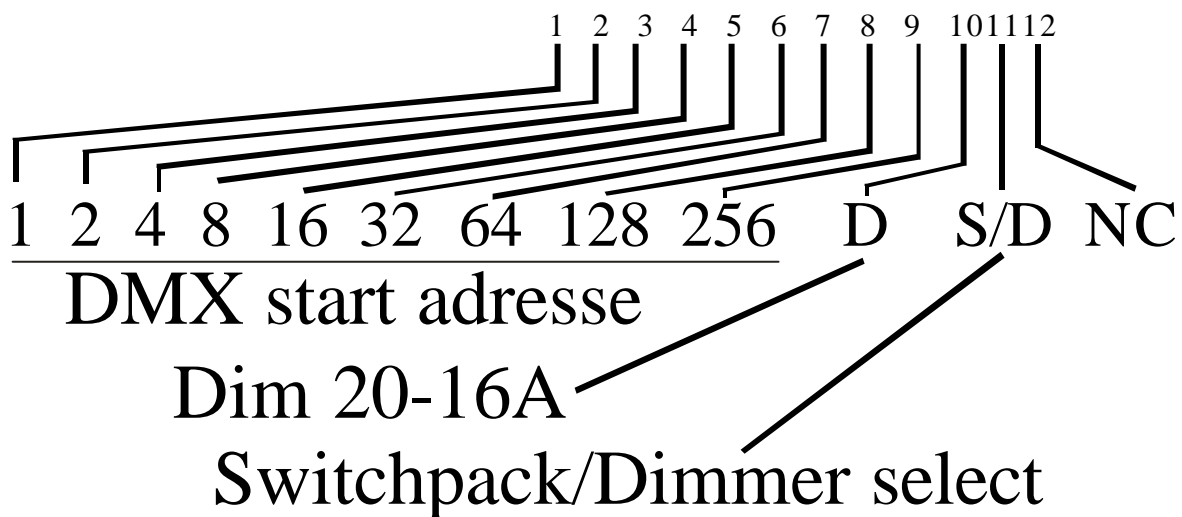
Dip-Switch Settings:

Dip-switches is a row with small switches that will change the way The CLS DMX 4 Channel Dimmer should work.

Dip-switch nr. 1-9:

DMX start address. This means what is the first channel number on The CLS DMX 4 Channel Dimmer. Remember that the unit use 4 channels.

If you set the first channel as number 1, The CLS DMX 4 Channel Dimmer will use channel 1-4. The second unit should be set to number 5. The CLS DMX 4 Channel Dimmer will then use channel 5-8. The next 9, and so on.....up to 512.



Example: Channel 1=Dipswitch 1 on
Channel 10=Dipswitch 2+4 on
Channel 21=Dipswitch 1+3+5 on
Channel 74=Dipswitch 2+4+7 on

Dip-switch nr. 10:

With this Dip-switch set to on, The CLS DMX 4 Channel Dimmer will dim down the outputs 10%. It will protect you from blowing the 16A fuse if you are using 4 pcs of 1000W lamps in full power on The CLS DMX 4 Channel Dimmer and take the power from an 16A outlet.

Dip-switch nr. 11:

This Dip-switch will change The CLS DMX 4 Channel Dimmer to a complete 4x1000W switch-pack. It is useful for connecting light-effect-machines that should not be dimmed down. 0-49% on the mixer fader gives 0 and 50-100% gives full power.

Dip-switch nr. 12:

Not connected yet. For future new functions.

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Directions for use:

The CLS DMX 4 Channel Dimmer is a high class quality product, and it is constructed solid to be used "on the road" for years.

It looks very small to be used professional in theatres and big stages, but that's just the look. It could be used in near every situations that are in the need of dimmers or switchpacks, or combinations of it.

A band, schooltheatre, disco, rent out systems, small stages, small theatre, big stages, big theatre, installations, rock'n roll bands, shows of everything that need dimmers, exibitions, shop windows etc..... It is the same units in a small setup as in a big. Just add more units in a big setup!

Let's give some examples of setup with CLS Systems:

Hotel bands:

1 CLS DMX 16 Mixer 2 - 4 CLS Dimmers 8 - 16 Par 56 Light stands

Rock bands:

1 CLS DMX 16 Mixer 2 - 4 CLS Dimmers 8 - 16 Par 64 Light stands

Artists with bands:

1 CLS DMX 144 Mixer 6 - 12 CLS Dimmers 24 - 48 Par 64 Trusses

Big Artists with bands:

1 CLS DMX 144 Mixer 12 - 24 CLS Dimmers 48 - 96 Par 64 Trusses

Small theatre:

1 CLS DMX 144 Mixer 6 - 12 CLS Dimmers 12 - 24 Fresnell/Profiles 12 - 24 Parcans

Big Theatre:

1 CLS DMX PC Program 12 - 24 CLS Dimmers 48 - 96 Fresnell/Profiles Scanners/Movingheads

School theatre:

1 CLS DMX PC Program 2 - 4 CLS Dimmers 8 - 16 Fresnell/Profiles/Parcans

