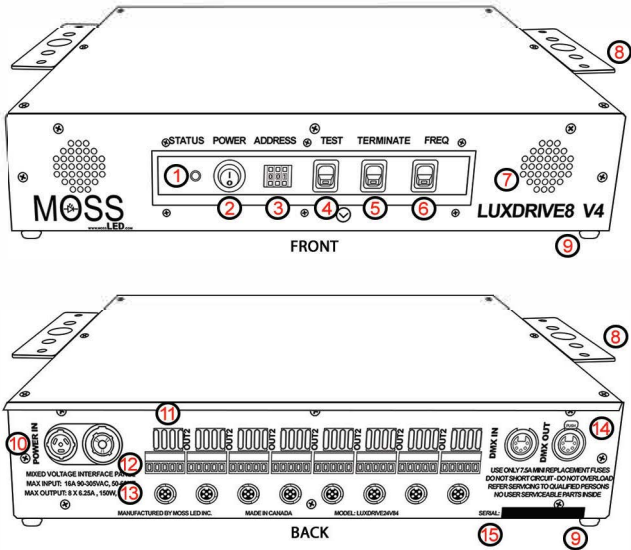


LUXDRIVE8 v4.0

Manual



Professional 32-channel LED Dimmer. Specifically designed for use with RGBW LEDs but is also compatible with RGB, Bi-Color, and Single Color FlexLEDs. Extremely high-power 50 Amp output that is built into a compact format designed for harsh environments. Plug'n Play connectivity with twist-lock 5-pin connectors & pluggable phoenix connectors. A portable and reliable LED dimmer for cinema, television, and live industry use.

- ① Status LED
- ② ON/OFF Power Button
- ③ DMX Address Thumb Wheel
- ④ Test Mode Switch
- ⑤ DMX Signal Terminate Switch
- ⑥ PWM Frequency Switch
- ⑦ Ultra-quiet fans
- ⑧ Rack Ears 2U Standard
- ⑨ Rubber Anti-Slip Feet
- ⑩ Neutrik TrueCon Power Plug Pass-thru allows for connections to down-stream devices
- ⑪ 7.5 Amp Fuse per Channel
- ⑫ 8 X Output Pluggable 5 Terminal Phoenix Connectors
- ⑬ 8 X Output Twist-Lock 5-Pin DC RGBW/A Connectors
- ⑭ DMX 5-Pin XLR Connectors
- ⑮ Serial Number

DMX Operation

Connect TrueCon power cable. Set the DMX address between 001 and 480, then switch the Power Button ON. The Status LED should be flashing green slowly if no DMX signal is connected.

When DMX signal is connected, the Status LED will flash green rapidly. If the address entered is 001, OUT 1 will use channels 001 to 004; OUT 2 will be channels 005 to 08 and so on.

DMX Address List

DMX Address Thumb Wheel function list.

- 001 - 512 DMX Universe address
- 600 - 632 Set channels 1 to 32 ON one at a time
- 700 - 799 Set all channels ON from 0 to 99% brightness
- 800 - 899 Scrolling Pattern (Speed = 1sec/step)

Test Mode

The Test Switch in the up position will turn on the test-mode and the switch's LED will light up red. The Status LED will flash red and green. On the Address Thumb Wheel, press the buttons to dial in a color. Button position: 100s-10s-1s corresponds to Red-Green-Blue (respectively).

Terminate Switch

When the LuxDrive8 is at the end of the DMX chain, turn ON the Terminate Switch (up position) as per DMX 512 protocol.

FREQ Switch



When FREQ Switch is in the DOWN position, the PWM frequency (refresh rate) is 7.2KHz.



When FREQ Switch is in the UP position, the switch's LED is lit up red and the PWM frequency is 28KHz. Dimming curve will adjust.

Troubleshooting

Status LED is solid red or off.

Error - make sure the unit is in DMX mode with an address below 512. A power cycle of the unit may be required if you have gone out of test mode with an address above 512.

Output Channel Malfunction: LED load will not turn ON.

Check the back of the unit. The fuse for the channel may be blown. The fuse should be lit up in red if it is blown. Replace with 7.5A or lower value mini-blade fuse.

Output Channel Malfunction: LED load always ON.

If an LED channel (Red, Green, Blue, White) is always ON (and the fuse is not blown), the internal circuit is damaged. Unit must be returned to Moss LED Inc. for repair.

!WARNING! Disconnect outputs before cutting LED tape.
Failure to do so can create a short circuit and can damage internal components.

Input
14A 115VAC / 7A 230VAC
90-305VAC 50-60Hz

Output
8 x 24V DC @ 6.25A/Channel
24 V @ 50A MAX

PWM Frequency
Settable between
7.4KHz or 28KHz

Plug 'n Play

Temperature Range
-40°C to +90°C

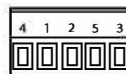
Rack Mount
Movable Rack Ears: Front & Top

Dimensions
L 43cm 17"
W 38.1cm 15.75"
H 8.81cm 3.5"

Weight
11.7Kg 25.8 lbs



5-Pin Female DC Connector



5 Position Phoenix Connector

DC OUTPUT CONNECTORS

Pin	Wire Color	Description	Output
1	RED	Channel 1	Red LED
2	BLACK	Channel 2	Green LED
3	YELLOW	Channel 3	White/Amber LED
4	WHITE	Power	+V DC
5	BLUE	Channel 4	Blue LED

MOPP



Fuse Protection



Short Circuit



Over Temperature



Overload



Over Voltage



Certified

Contact Us



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Etobicoke, Ontario, Canada



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