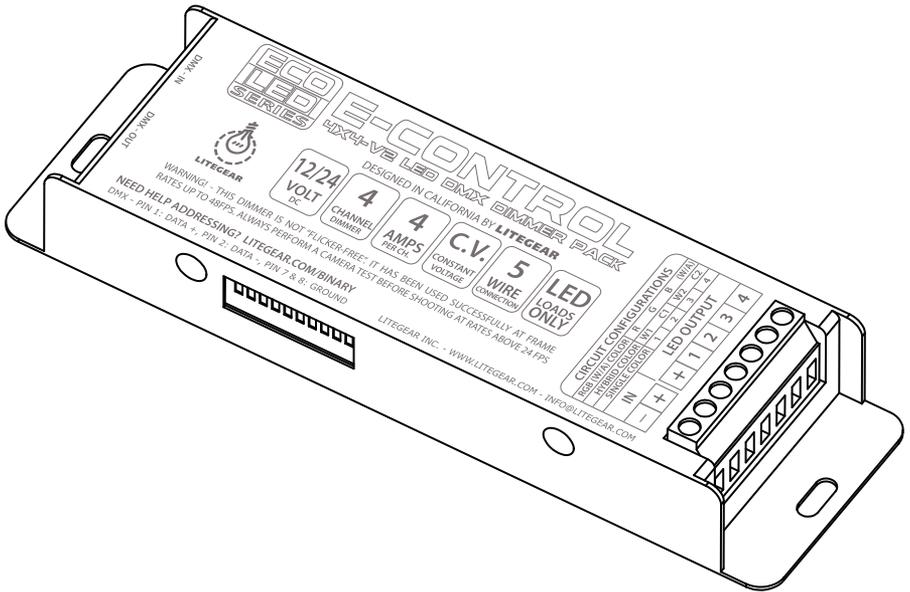




# E-CONTROL™

## LED DMX DIMMER PACK

# 4X4-V2



# USER GUIDE

LITEGEAR™

## Congratulations on your purchase of LiteGear's E-Control™, DMX Dimmer Pack, 4x4-V2!

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### About E-Control 4x4-V2

E-Control 4x4-V2 is one of LiteGear's economical DMX decoders. Its light weight and low profile lends itself to being built into nearly any rig in which DMX control is required. The 4x4-V2 is adaptable to a number of situations, allowing for the control of multicolor red-green-blue-white/amber (RGBW/A) LED rigs in addition to one circuit of RGB LiteRibbon®, two circuits of Hybrid LiteRibbon, and four circuits of Single LiteRibbon.

*Note: The 4x4-V2 requires the use of third party equipment (sold separately), such as a lighting console, that generates a DMX512 signal; Ethernet-based protocols are not supported at this time.*



***This dimmer is not “flicker-free.” It has been used successfully at frame rates up to 48fps. Always perform a camera test before shooting at rates above 24fps.***

### DMX Addressing:

The 4x4-V2 DMX Controller can be manually addressed using binary addressing through a series of dip switches that allow for addressing the DMX start value (from channels 1 to 512). There are a total of ten dip switches on the 4x4-V2:

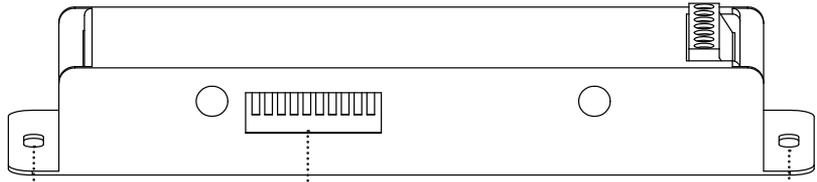
*Switches 1 through 9 = DMX Addressing*

*Switch 10 = DMX Termination*

*Note: The process of addressing the 4x4-V2 only sets the start address for the first output. The three subsequent outputs are then automatically assigned to the three subsequent channels (i.e. addressing the 4x4-V2 to start address 217 would assign channels 217, 218, 219, and 220 to the 4x4-V2).*



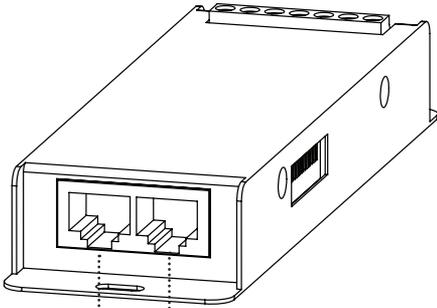
***Need more help with binary addressing? Visit [www.litegear.com/binary](http://www.litegear.com/binary).***



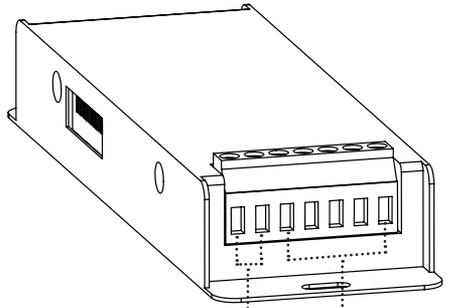
Rigging  
Point

Dip Switches  
(1-10)

Rigging  
Point



DMX In  
DMX Out



Power In  
(from DC)  
Power Out  
(to LED)

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## Troubleshooting

If you are having trouble operating the unit:

Connect the 4x4-V2 to power (12V/24V DC only). Run a DMX signal to the DMX input using an RJ45 cable. Then, address the 4x4-V2 to the desired start address [see “**DMX Addressing**”]. Ensure that all power inputs and LED outputs are connected, clean, and that nothing is shorting out. Do not put more than 5 amps worth of LiteRibbon on a single channel or more than 16 amps worth of LiteRibbon on the entire 4x4-V2, whichever comes first. If the 4x4-V2 is at the end of the DMX line, flip Switch 10 ON to terminate the DMX signal. The 4x4-V2 may be run through an optical splitter and/or daisy-chained with other DMX units, if desired.

*Note: The 4x4-V2 is not “pluggable” for power inputs and LED outputs; all connections are “bare-end” only. For DMX inputs and outputs, the 4x4-V2 calls for the use of RJ45 cables (sold separately) and possibly the use of an XLR to RJ45 (XLRJ45) adapter (sold separately), depending on the requirements of the lighting console.*

## Technical Specifications

SIZE: 6.3125 in. x 1.875 in. x .875 in.

WEIGHT: 0.456 lb, 7.296 oz, 207 g

INPUT: 12V/24V DC; Input voltage must match load voltage requirements!

OUTPUT: PWM

RATING: 5A max. per channel x 4 channels; 16A max. total.

CONNECTOR: Bare-end; 26AWG to 12AWG max.

## Warnings

Stage and Studio Use Only

Dry Location Only

Hazardous Voltage

Risk of Electrical Shock

Disconnect Power Before Servicing

Not For Residential Use

Any questions? Comments? Concerns? Contact us at +1 818.358.8542 or [info@litegear.com](mailto:info@litegear.com).



# LITEGEAR™

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