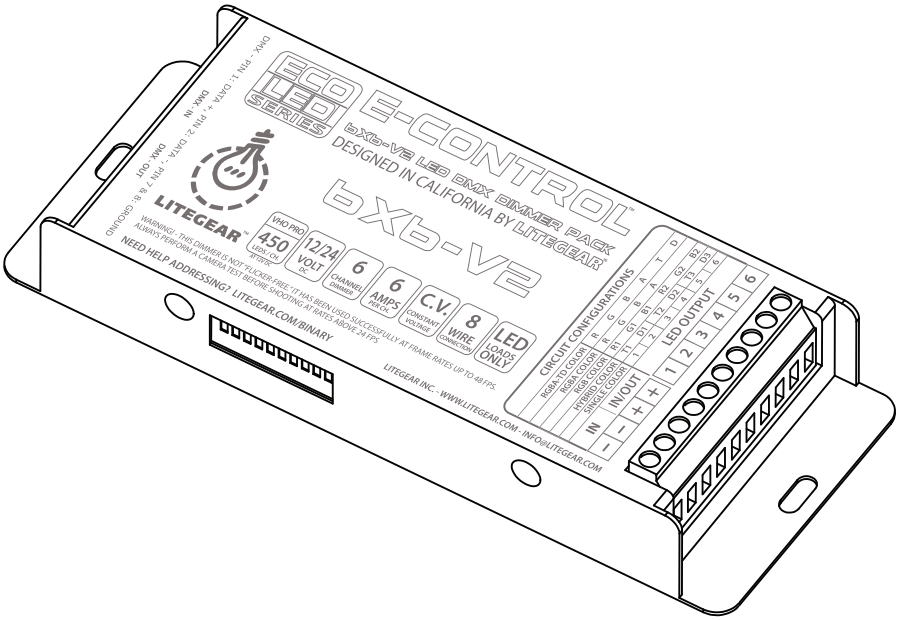
E-CONTROL™

LED DMX DIMMER PACK

bXb-V2



USER GUIDE

LITEGEAR™

Congratulations on your purchase of LiteGear's E-Control™, DMX Dimmer Pack, 6x6-V2!

About E-Control 6x6-V2

E-Control 6x6-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 6x6-V2 is adaptable to a number of situations, allowing for the control of multicolor red-green-blue-amber-tungsten-daylite (RGBATD) LED rigs in addition to one circuit of RGBA/W LiteRibbon®, two circuits of RGB LiteRibbon, three circuits of Hybrid LiteRibbon, and six circuits of Single LiteRibbon.

Note: The 6x6-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.

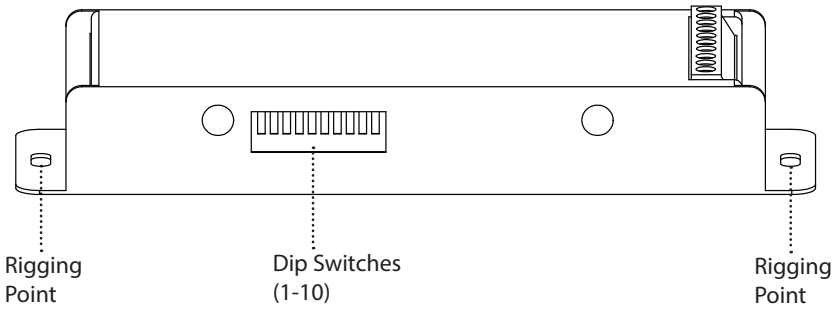
DMX Addressing:

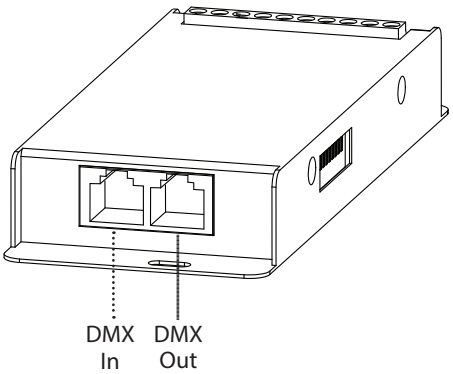
The 6x6-V2 DMX Controller can be manually addressed using binary addressing through a series of dip switches that allow for addressing the DMX start value (from channels 1 to 512). There are a total of ten dip switches on the 6x6-V2:

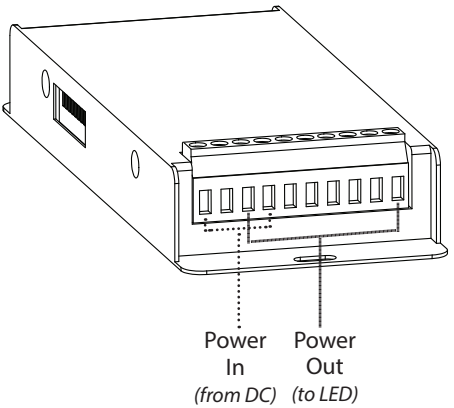
Switches 1 through 9 = DMX Addressing
Switch 10 = DMX Termination

Note: The process of addressing the 6x6-V2 only sets the start address for the first output. The five subsequent outputs are then automatically assigned to the five subsequent channels (i.e. addressing the 6x6-V2 to start address 217 would assign channels 217, 218, 219, 220, 221, and 222 to the 6x6-V2).

Need more help with binary addressing? Visit www.litegear.com/binary.


Rigging
Point
Dip Switches
(1-10)
Rigging
Point


DMX
In
DMX
Out


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

Troubleshooting

If you are having trouble operating the unit:
Connect the 6x6-V2 to power (12V/24V DC only). Run a DMX signal to the DMX input using an RJ45 cable. Then, address the 6x6-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 6 amps worth of LiteRibbon on a single channel and more than 36 amps worth of LiteRibbon on the entire 6x6-V2. If the 6x6-V2 is at the end of the DMX line, flip Switch 10 ON to terminate the DMX signal. The 6x6-V2 may be run through an optical splitter and/or daisy-chained with other DMX units, if desired.

Note: The 6x6-V2 is not "pluggable" for power inputs and LED outputs; all connections are "bare-end" only. For DMX inputs and outputs, the 6x6-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: 6.6875 in. x 2.562 in. x .875 in.
WEIGHT: 0.6 lb, 9.6 oz, 272 g
INPUT: 12V/24V DC; Input voltage must match load voltage requirements!
OUTPUT: PWM
RATING: 6A max. per channel x 6 channels; 36A 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.

LITEGEAR™
4406 Vanowen Street, Burbank, California, 91505 USA
+1 (818) 358-8542 www.litegear.com

236-900