



LiteDimmer FOURSOME DMX User's Guide **LITEGEAR**

About LiteDimmer Foursome DMX

LiteDimmer FourSome DMX may be controlled by nearly any DMX console. Its advanced modes empower even the simplest of consoles by integrating "profiles" into the dimmer. LiteDimmer FourSome DMX turns the tables on the relationship between dimmer and console. Master Mode provides 1 unified circuit made up of all four channels. Single Mode is typical 1 to 1 mapping of channels. In "Hybrid Mode" you can adjust Kelvin Temperature and brightness independently. When color mixing with RGB LiteRibbon™ in "HSI Mode" there are independent controls Hue, Saturation, and Brightness. This allows you to reach the desired color from millions of options.

Power Supply Options

LiteDimmer Foursome DMX is capable of operating with DC voltage between 10 to 32v only. It will not increase or decrease input voltage. You must provide voltage that is compatible with the power requirements of LiteRibbon™. Do not use Foursome DMX dimmer with non-LiteGear LED products.

Connections

See the rear panel for pin configuration.

Safety and Maintenance

Before operation, inspect the cables and enclosure for any damage. Also, inspect the installation for short-circuits, damage, water, or similar.

How to set START ADDRESS

To set the start address press and hold the RIGHT - ADDRESS button. The current address will flash. During this time, the buttons now serve as UP and DOWN. Momentarily press the up and down buttons until the desired address is displayed on the screen. After several seconds the address will be stored in memory.

Advanced Modes

The LiteDimmer Foursome is equipped with several advanced modes. These modes are MASTER, SINGLE, HYBRID, HSI (Hue-Saturation-Intensity of RGB), (Hue-Saturation-Intensity of RGBW).

These modes can be accessed using the same display as DMX Address. To change modes, press and hold the LEFT - MODE button. The current mode number will flash. During this time, the buttons now serve as UP and DOWN. Momentarily press the up and down buttons until the desired mode number is displayed on the screen. After several seconds the mode will be stored in memory.

8-Bit Modes are as followed:

000 - Master Mode. All 4 channels respond to the DMX start-address.

001 - Single Mode. Each channel is individually controlled, beginning with the start-address.

002 - Hybrid Mode. The first and second channel work together as one "Hybrid" circuit. The third and fourth do the same for a second "Hybrid" circuit. See the rear panel of the unit wire wiring details.

003 - HSI (RGB) Mode: This mode provides Hue (course and fine), Saturation, and Intensity control of RGB LED LiteRibbon. Beginning with the DMX start address, the first slider on the console allows HUE (course) control, the second slider is HUE (fine), third is SATURATION and the fourth in INTENSITY.

004 - HSI (RGBW) Mode: This mode provides Hue (course and fine), Saturation, and Intensity control of RGBW LED LiteRibbon. Beginning with the DMX start address, the first slider on the console allows HUE (course) control, the second slider is HUE (fine), third is SATURATION and the fourth in INTENSITY. This mode is the same as 003 with an added channel of white.

16-Bit Modes are as followed:

020 - Master Mode. All 4 channels respond to the DMX start-address.

021 - Single Mode. Each channel is individually controlled, beginning with the start-address.

Advanced features

LiteDimmer is capable of short circuit protection. If the output is shorted for any reason (positive and negative become directly connected), LiteDimmer Foursome DMX will protect itself by shutting off power to the output and will flash the indicator light. This will continue until the short circuit is removed. After the problem is corrected, LiteDimmer Foursome DMX should resume operation. The dimmer is also equipped with hide-away rotary controls. Pushing the knobs into the case can protect against accidental adjustments as well as for safe storage.

Troubleshooting

If LiteDimmer stops operating, remove it from the circuit to confirm that the dimmer is the problem. Connect LiteRibbon directly to power. If it does not operate, the problem is not the dimmer. Check leads, and connectors. If the LiteRibbon does operate, LiteDimmer could be overheated due to over-current conditions or is damaged. If damaged, contact LiteGear Service department for service.

Specifications

SIZE: 114mm (4.5") wide x 50mm (2") tall x 95mm (3.75") long

INPUT: 12/24V DC, (10-32v), Input voltage must match load voltage requirements!

RATING: 32 Amps max. total, 8 amps max. per channel

WATTAGE: 400 Watts max.

WEIGHT: 10.5 Ounces, 300 Grams

OUTPUT: DynaRhythmic PWM

Does not provide "Current Limiting". For use with litegear products only.

Warnings

Stage and Studio Use Only
Dry Location Only
Hazardous Voltage
Risk of Electrical Shock
Disconnect Power Before Servicing
Not For Residential Use
Made in California

SW 1.0B