

# DMX Installation Sheet

## Installation Instructions (LED) (DMX)

**CAUTION!** TO AVOID VOIDING THE WARRANTY; READ AND FOLLOW ALL SAFETY AND INSTALLATION INSTRUCTIONS CAREFULLY!

- TURN OFF ELECTRICAL POWER FROM THE SWITCH BEFORE STARTING INSTALLATION.
- DO NOT OPERATE ALL FOUR CHANNELS AT 100% FOR MORE THAN 24 HOURS TO AVOID THERMAL DAMAGE ON RGBW LEDS.
- OPERATE AT 55% MAX, IF ALL FOUR CHANNELS WILL BE TURNED ON. DO NOT OPERATE FOR MORE THAN 24 HOURS.
- WITH RGBW USE CHANNEL 4 FOR COLOR WHITE.
- \*(see below for RGBW default channels)

### IMPORTANT SAFEGUARDS:

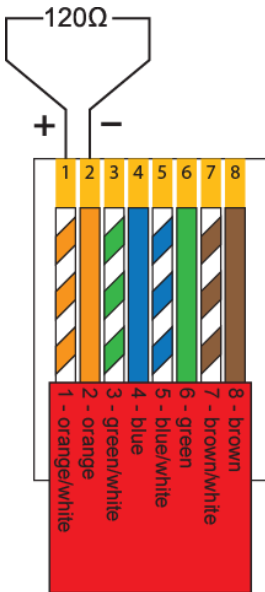
**NOTE** - Work should be performed by qualified personnel.

### SAVE THESE INSTRUCTIONS

**WARNING!** Before starting installation, disconnect power by turning off the circuit breaker or by removing the appropriate fuse at the fusebox. Turning the power off by using the light switch is not sufficient to prevent electric shock.

### ATTENTION!

It is important for the following directions to be followed carefully for the DMX system to work properly. A DMX integrator/specialist must do the installation or the warranty will be voided. To readdress DMX channels use RDM controller.



\*RGBW Default Channels

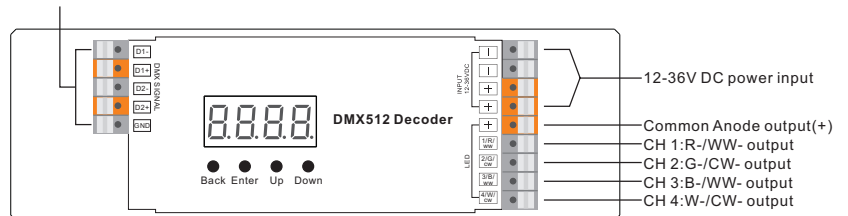
CHL	Color
1	Red
2	Green
3	Blue
4	White



DMX Terminator

Pin	Function
1 - orange/white	data 1+ (positive)
2 - orange	data 1- (negative)
3 - green/white	data 2+
4 - blue	Not assigned
5 - blue/white	Not assigned
6 - green	data 2-
7 - brown/white	Data link common for data 1 (ground)
8 - brown	Data link common for data 1 (ground)

2 groups DMX512 signal input & output



Up to 10-15 receivers can be daisy chained together if DMX signal wire is less than 100m in total, and 10-13 receivers if daisy chain is more than 100m in total. Please add RDM/DMX signal repeater/booster if the recommended distance is exceeded. RDM/DMX signal repeater/booster is needed every 10-13 receivers and 100m of total signal wires daisy chained. Clarté fixtures use two 8 position modular connectors (RJ45) configured with the standard DMX pinout which is as follows:

Termination is important and must be performed by a DMX specialist. To avoid signal reflection and other quality issues it is important that the last fixture in the DMX chain be terminated. There are terminators sold by third party providers. For more specific information regarding this issue please consult your DMX specialist.

Note: Maximum mounting distance of RDM DMX remote driver to first fixture is 6'

More information regarding the DMX512-A standard can be found at: <http://opendmx.net/index.php/DMX512-A>