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Quick Start Guide

Chroma-Q®
Inspire XT™

Chroma-Q®
BRILLIANT SOLUTIONS

For a full product manual please visit www.chroma-q.com
Part Number: CHINHLRGBWXT, CHINHLRGBWXTW
Model: 632-8220, 632-8221
Software Version (Engine) 2.2

1. Overview

The Chroma-Q™ Inspire XT™ LED house light features a proprietary RGBW LED light engine to deliver a fully homogenized beam. controlled via the Inspire™ External Control Box.

2. Safety

⚠️ **Caution**

1. This product is for professional use only. It is NOT intended for domestic or outdoor use.
2. The bright flash of light during power-up & continuous strobe may cause epileptic seizure.
3. This product must be used with a safety cable.

3. Cabling

Figure 1: Sample System Diagram

Maximum DMX cable length from Data Out 1/2/3 to the 1st fixture must not exceed 500'/152m.

Note: Emergency Power In is the input connection from an alternative power source for emergency.
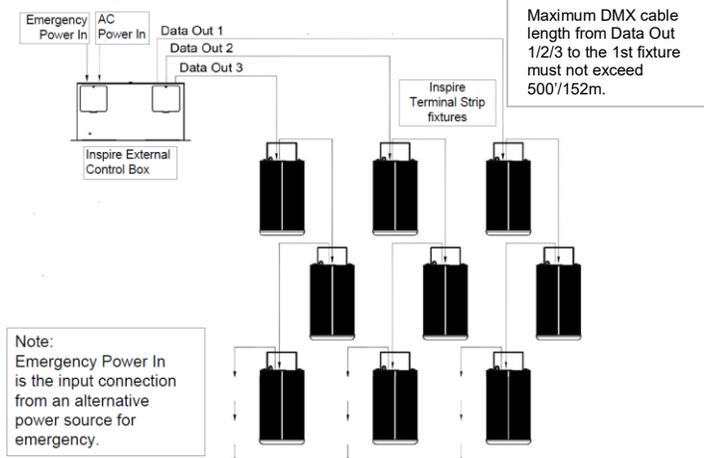
Figure 2: Power & Data Connections & Data Connections

Note: The DMX cable connected to the first Terminal Strip fixture from each Data Output of the External Control Box must be terminated with a 120Ω resistor. See Inspire XT User Manual for details.

HOLE FOR POWER CABLE WITH STRAIN RELIEF

POWER INPUT COVER PLATE

DMX OUT

DMX IN

Figure 3: Power Input

LIVE
NEUTRAL
GROUND

Note: Refer to the marks on the PCB.
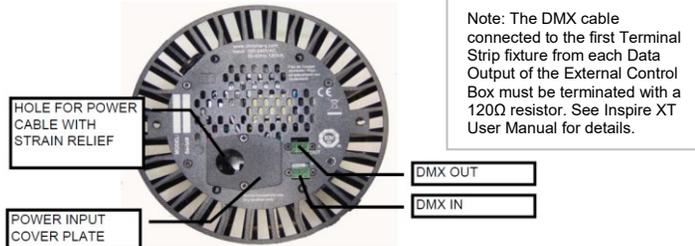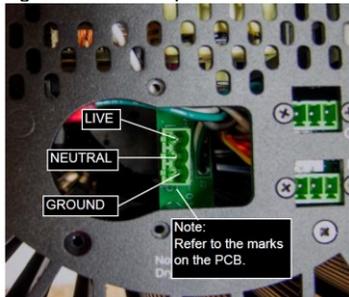
Figure 4: Data Connectors

DATA PLUS
DATA MINUS
GROUND/SHIELD
OUT
IN
GROUND/SHIELD
DATA MINUS
DATA PLUS
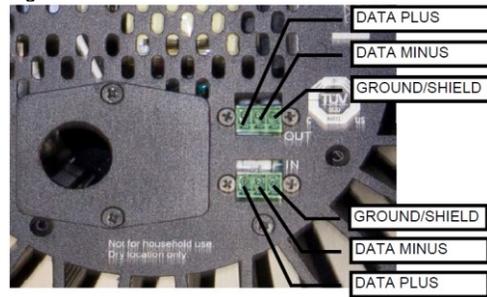
To connect the wiring for power and control data:

- The Power Input Cover Plate is supplied with the fixture (Figure 2) and is not attached. It must be mounted as described in the following steps
- Insert the power cable with the appropriate cable strain relief through the cover plate.
- Unplug the Terminal Block Plug from the Header and connect the wiring for the AC power input through the hole and into the Terminal Block PLUG (Figure 3).
- Plug the wired Terminal Block Plug into the Terminal Block Header (Figure 4).
- Put the cover plate on and fasten the cover plate with the two screws provided with the light fixture.
- Connect the DMX control data cables from the Inspire External Control Box to the Terminal Block Plug and plug into the Terminal Block headers at the rear of the fixture (Figure 2 & 4)

Figure 5: Data In – First Fixture

120 OHM RESISTOR INSERTED INTO DATA PLUS & DATA MINUS

PLUG-IN TERMINAL BLOCK PLUG

DATA CABLE
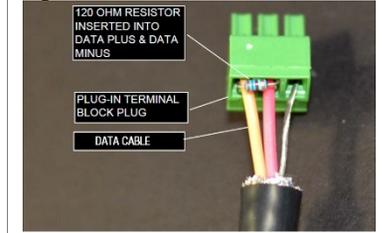
Notes:
- **IMPORTANT**: Termination resistors (supplied with the External Control Box) are REQUIRED on first fixture in each data run (Figure 5) – see User Manuals for more details.
- For DMX & data wires use Belden 9729 or CAT5e/6.
- Max. cable distance from DATA OUT to first fixture must not exceed 152m/500 ft.
- * Emergency Power is shown as an example only and may not be used on all projects.

4. Mounting

A mounting bracket is built into the enclosure for overhead applications. Secure the fixture with a safety bond. A fixing hold is built into the enclosure.

5. Optics

The fixture is provided with a lens that delivers a beam angle of approximately 32°. Using a lens from the included Spread Lens kit will increase the beam to approximately 42° or 65°. For lens installation details, consult the instruction included with the kit.

6. Control

The control functions are accessed through the Touch Screen display at the front panel of the Inspire External Control Box. The features of the Touch Screen Display are shown in Figure 6.

Figure 6: main screen of the External Control Box

Model Name
DMX Indicator
AC Power Indicator
Emergency Power Indicator
DMX Start Address
Command Buttons can be tapped to select control functions and options
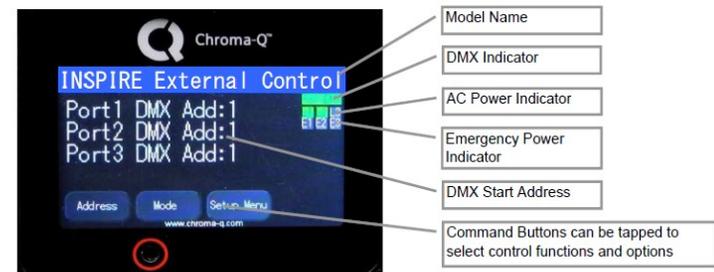
Consult the QSG & user manual for the External Control box for further details.

Further Information

Please refer to the Chroma-Q Inspire XT™ manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – http://www.chroma-q.com/support/downloads.asp