Quick Start Guide

Chroma-Q®
Inspire XT™ Terminal Strip,
Inspire™ Terminal Strip,
Inspire Mini™ Terminal Strip

For a full product manual please visit www.chroma-q.com
Part Number: CHINHLRGBWXT, CHINHLRGBWXTW,
CHINHLRGBW32E, CHINHLRGBW42E, CHINHLRGBW65E, CHINHLW32E, CHINHLW42E,
CHINHLW65E,
CHINMINIHLRGBWT, CHINMINIHLRGBWTW
Model: 632-8220, 632-8221,
632-1500, 632-1600, 632-1700, 632-2500, 632-2600, 632-2700,
632-6500, 632-6505, 632-8200
Software Version (Engine) XT 4.0, Mini / Reg 2.2

1. Overview

The Chroma-Q® Inspire™ Terminal Strip LED house light features a single light engine with high powered LEDs (RGBW), a fully homogenized optic and controlled via the Inspire™ External Control Box. Through the Inspire™ External Control Box, the fixture can be controlled remotely through the ANSI E1.11 USITT DMX 512-A protocol.

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 and continuous strobe effect may cause epileptic seizure.
3. This product must be used with safety cable.

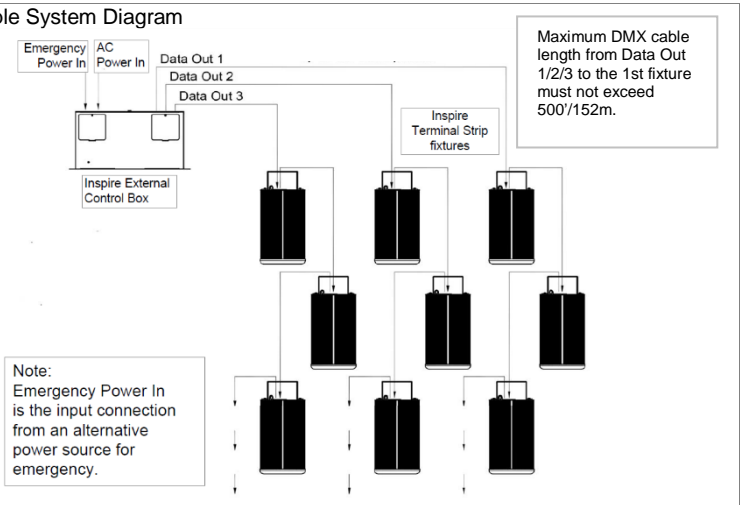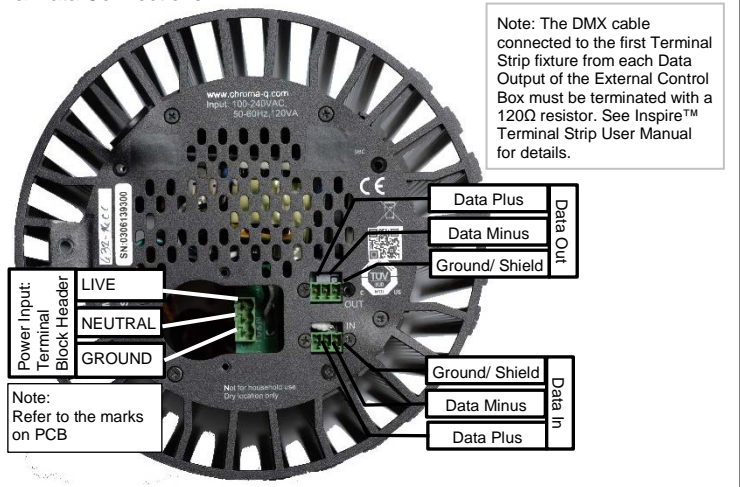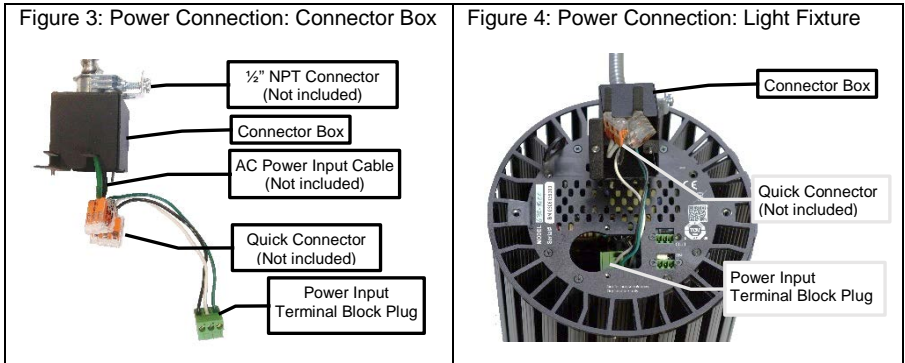## 3. Cabling

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

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™ Terminal Strip User Manual for details.
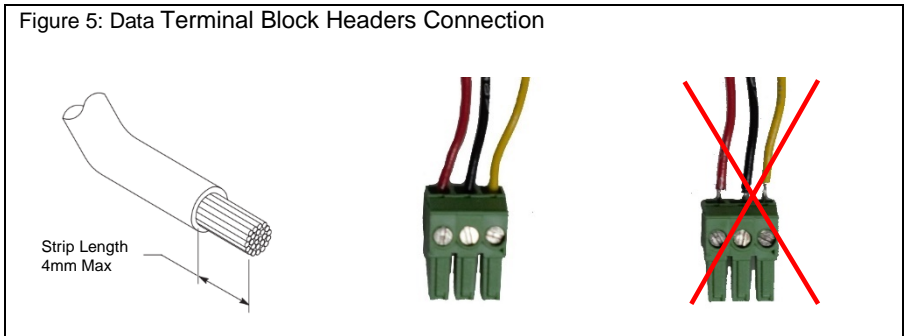
To connect the wiring for power and control data:

• The power input connector box (figure 3) is supplied with the fixture and is not attached. It must be mounted as described in the following steps

Figure 3: Power Connection: Connector Box — ½" NPT Connector (Not included), Connector Box, AC Power Input Cable (Not included), Quick Connector (Not included), Power Input Terminal Block Plug

Figure 4: Power Connection: Light Fixture — Connector Box, Quick Connector (Not included), Power Input Terminal Block Plug

• Insert the power cable with the appropriate ½" NPT connector or cable strain relief through the connector box (Figure 3). The hole on the connector box has a suitable dimension to attach a ½" NPT connector on it. The Power Input Terminal Block Plug has three soft wires attached to it. Attach the provided wires to the wiring for the AC power input with quick connectors or Marret connectors (Figure 3). ½" NPT connector, cable strain relief, quick connectors or Marret connectors are not included with the fixture.

• Put the quick / Marret connectors inside the connector box. Plug the wired terminal block plug into the power input terminal block header (Figure 4).
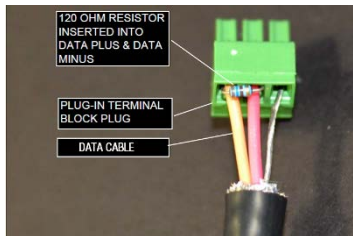

Figure 5: Data Terminal Block Headers Connection

Strip Length 4mm Max

• Connect the DMX control data cables from the Inspire™ External Control Box / another Inspire™ Light Fixture to the terminal block plug. Ensure that the bare wire is not visible. Some insulation of the wire must be inside the hole. The maximum strip length is 4 mm (Figure 5). Plug terminal block plug into the terminal block headers at the rear of the fixture (Figure 2 & 5).

Figure 6: Data Connection

• Put the connector box in place and fasten the connector box with capacitive screw.

Figure 7: Data In- First Fixture

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. Optional accessories are also available for mounting Inspire™ light fixtures.

5. Optics

The Inspire XT™ 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.

The Inspire™ Terminal Strip can be built with either narrow, medium or wide lens. The beam angles are: Narrow: ~32°; Medium: ~42°; Wide: ~65°.
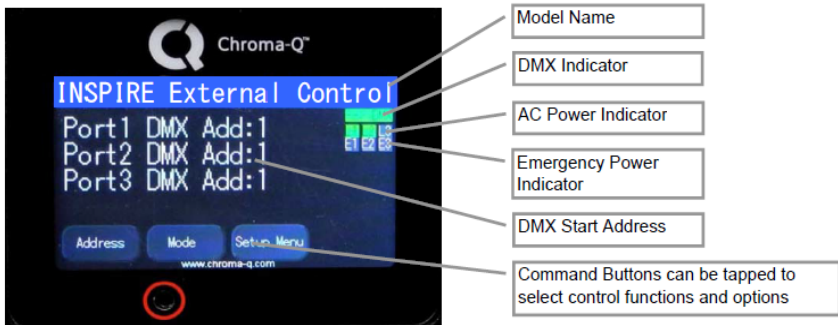
The Inspire Mini™ Terminal Strip is built with wide lens with a beam angle of approximately ~65°.

The optional Spreader Lens kit is available for changing the beam angle of any Inspire™ Light Fixture.

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 8.

Figure 8: Main Screen of the External Control Box

7. Further Information

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

Approvals & Disclaimer

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The Chroma-Q® Inspire™ has been designed specifically for the lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

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