

Date Project

Notes

PXLNET TRANSCEIVER KIT

The PxLNet Transceiver Kit contains four (4) PxLNet Transceivers and one (1) PxLNet Transmitter. Together the transceivers and transmitter extend the range of C4 Extended and C4 Live controllers through the PxLNet protocol.

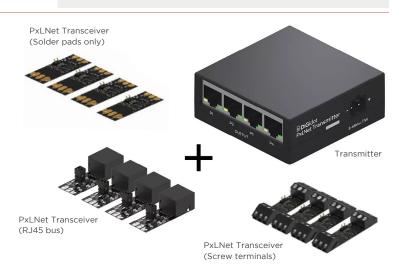
- · Transmit and receive data
- SPI or DMX conversions
- Boost SPI signals up to 820 ft (250 m)
- Boost DMX signals up to 1640 ft (500 m)

Applications:

Commercial Entertainment Mealthcare

Hospitality Museums Residential Retail

Museums Reta Public Spaces





ORDERING GUIDE

Category

CTRLPIXELTRKITSP - PxLNet Transceiver Kit (Solder pads only)

CTRLPIXELTRKITST - PxLNet Transceiver Kit (Screw terminals)

CTRLPIXELTRKITRJ - PxLNet Transceiver Kit (RJ45 bus)

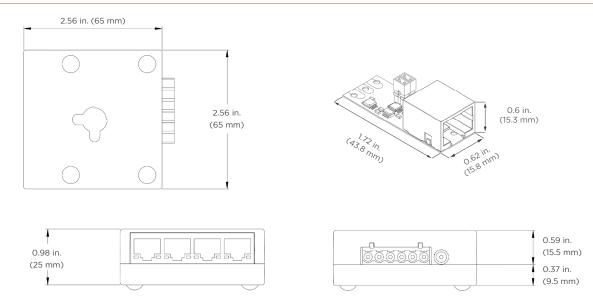
SPECIFICATIONS

| Input Power | 5-24V DC | |
|------------------------|---|--|
| Power Consumption | 1W | |
| IP Rating | IPOO | |
| DC Input | Overvoltage protection (max. 60V DC) | |
| Control | DMX, SPI | |
| Number of Channels | 8 universes | |
| Connection Options | RJ45 bus, screw terminals or solder pads | |
| Wire Sizes | Solder pad wiring | Terminal wiring power |
| | 3-5 mm² 20-24 AWG | Recommended: 3-5 mm² 20-24 AWG / Max. 2.5 mm² 14 AWG |
| Environment | Indoor use | |
| Operating Temperature | -4° - 113° F (-20° - 45° C) | |
| Compliences | CE, RoHS | |
| Standards | EN60950-1:2006 +A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1 / EN60950-1, EN61006-6-3, EN55032 | |
| Dimensions (L x W x H) | 1.71 x 0.59 x 0.55 in. (43.5 x 15 x 14 mm) | |
| Weight | 0.013 lb (6 g) | |
| Warranty | 2 years | |

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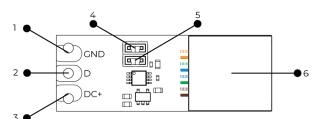
DIMENSIONS



DIAGRAMS

1. Power (GND/DC-)

- 2. BUS I/O (Data Out)
- **3.** Power (DC+ / 5-24 V)
- 4. Jumper (Ground lift)
- 5. Jumper (Tx / Rx mode)
- 6. RJ45 (Data input)



Topside

Pin 1: Orange/White = (DMX) Data +

Pin 2: Orange = (DMX) Data -

Pin 3: --

Pin 4: --

Pin 5: --

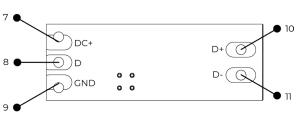
Pin 6: --

Pin 7: Brown/White = (DMX) GND/DC -

Pin 8: Brown = (DMX) GND/DC

Bottomside

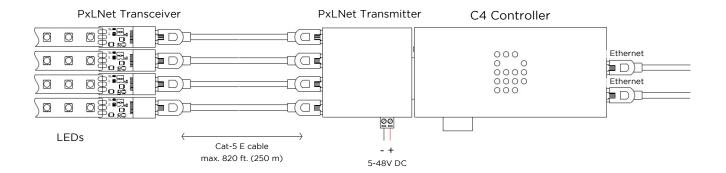
- **7.** Power (DC+ / 5-24 V)
- 8. BUS I/O (Data Out)
- 9. Power (GND/DC-)
- **10.** BUS I/O (Data + In)
- 11. BUS I/O (Data In)





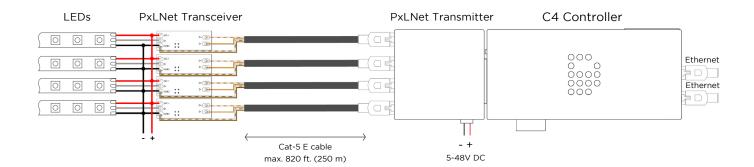
WIRING DIAGRAM 1

DiGidot C4 with PxLNet Transmitter connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip.



WIRING DIAGRAM 2

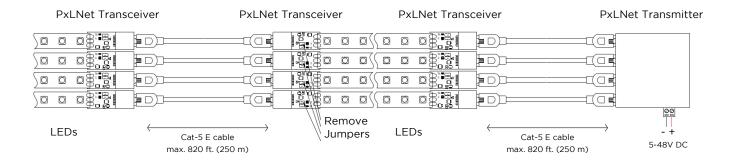
Transmitter connected by Cat-5 E network cables that are soldered to PxLNet Transceivers and output wires soldered that are connected to LED products.





WIRING DIAGRAM 3

DiGidot C4 with PxLNet Transmitter module connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip. PxLNet Transceiver used in transmitting mode to send SPI between LED strips.



WIRING DIAGRAM 4

DiGidot C4 with Tx module connected by Cat-5 E network cables to PxLNet Transceivers that are soldered directly to pixel controlled LED strip.

