



WARNING

DO NOT CONNECT DIRECTLY TO HIGH VOLTAGE POWER!
Read all warnings and installation instructions thoroughly.

Safety & Warnings

- Install in accordance with the National Electric Code, and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- DO NOT connect directly to high voltage power. Install with a compatible Class 2 constant voltage LED driver (power supply).
- Only install compatible LED drivers and fixtures. Contact technical support or visit the product page for compatible products.
- This product is rated for indoor installation and is not protected against moisture.
- Proper heat dissipation will prolong the working lifespan of this product. Install in a well-ventilated area free from explosive gases and vapors.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overload wires, and cause a fire.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.



Quick Specs

Input Voltage	5VDC Constant Voltage
Transmitting Distance	1000 ft. effective open area
Wireless ID's	7 color-coded ID's: Red, green, yellow, blue, pink, cyan, white.
Ambient Temperature †	-4° ~ 104°F (-20° ~ 40°C)

Included Models

DI-0820, DI-0821

† Do not install product in an environment outside the listed ambient temperature.

Installation

Prior to installation, verify all components are a compatible system. Configure and pre-test your LED system prior to permanent installation to ensure all components are operating correctly. Install in accordance with the NEC and local regulations. Both male or female transmitters may be installed as a transmitter and/or receiver.

- 1 Power up the master DMX512 fixture.** If controlling independently (no additional DMX controller), set the address to '001'. If controlling with a separate DMX controller, see the controller instruction manual for addressing information.
- 2 Attach a single DMX transmitter to the Master fixture.** Attach the adapter to the transmitter and plug the adapter into a 120VAC receptacle.
- 3 Using a thin screwdriver or stylus, press the recessed button on the transmitter to cycle to the desired wireless network.** (Red, green, yellow, blue, purple, cyan, or white)
- 4 Power up the first Companion fixture.** Address to '002' if no separate DMX controller is being installed. Attach a single DMX receiver and attach the included plug-in adapter. Cycle to the same wireless network the Master fixture is addressed to.
- 5 The transmitter on the Master fixture should now be blinking red, while the receiver attached to the first companion should be blinking green.** If the transmitters are not connecting, perform a 'soft reset' by cycling through all of the programmed modes of the Master fixture. A data signal may not transmit if the Master fixture is initially fixed to a static color. Performing a soft reset or cycling to a dynamic mode will initiate data transmission.
- 6 Continue adding additional Companion fixtures.** Ensure to address each additional companion fixture with an individual address (e.g. '003', then '004', etc.). Addressing Companion fixtures to the same ID will cause signal issues.

See 'System Diagram' for illustrations. See the product web page for additional system designs including a remote DMX controller installation.

Operation

To set the wireless network ID, use a thin screwdriver or stylus and press the button recessed in the transmitter. Up to 7 separate simultaneous wireless networks may be set per location. Each ID is individually color-coded (red, green, yellow, blue, purple, cyan, white). To set the ID:

- Press the button once to display the current network ID color.
- Continue pressing the button to cycle through the different networks.

Transmitter / Receiver LED Indicator Guide	
Static Color	Device is not transmitting/receiving a signal
Blinking Red	Device is transmitting signal
Blinking Green	Device is receiving signal

Both male/female devices may be installed as a transmitter and/or receiver.



Troubleshooting

LED fixture responding incorrectly

Ensure all wiring connections are correct. Reversing the Data + and Data- will cause lights to malfunction or respond incorrectly to the controller.

1. Power connections of all components (drivers, DMX decoders/fixtures, DMX controller).
2. DMX controller data connections- See DMX controller installation guide.
3. DMX decoder PWM output connections – See DMX decoder installation guide.

Transmitter / receiver(s) not pairing.

Ensure wall washers and/or DMX decoders are addressed to the proper ID. See 'System Diagram' for addressing wall washer / DMX decoder installations utilizing the on-board controls of a master wall washer. Installations utilizing a remote DMX controller require specific addressing to match the zone capabilities of the controller. See the DMX controller installation guide for addressing information.

If still not pairing, see Step 5 of 'Installation' to perform a 'soft reset.'

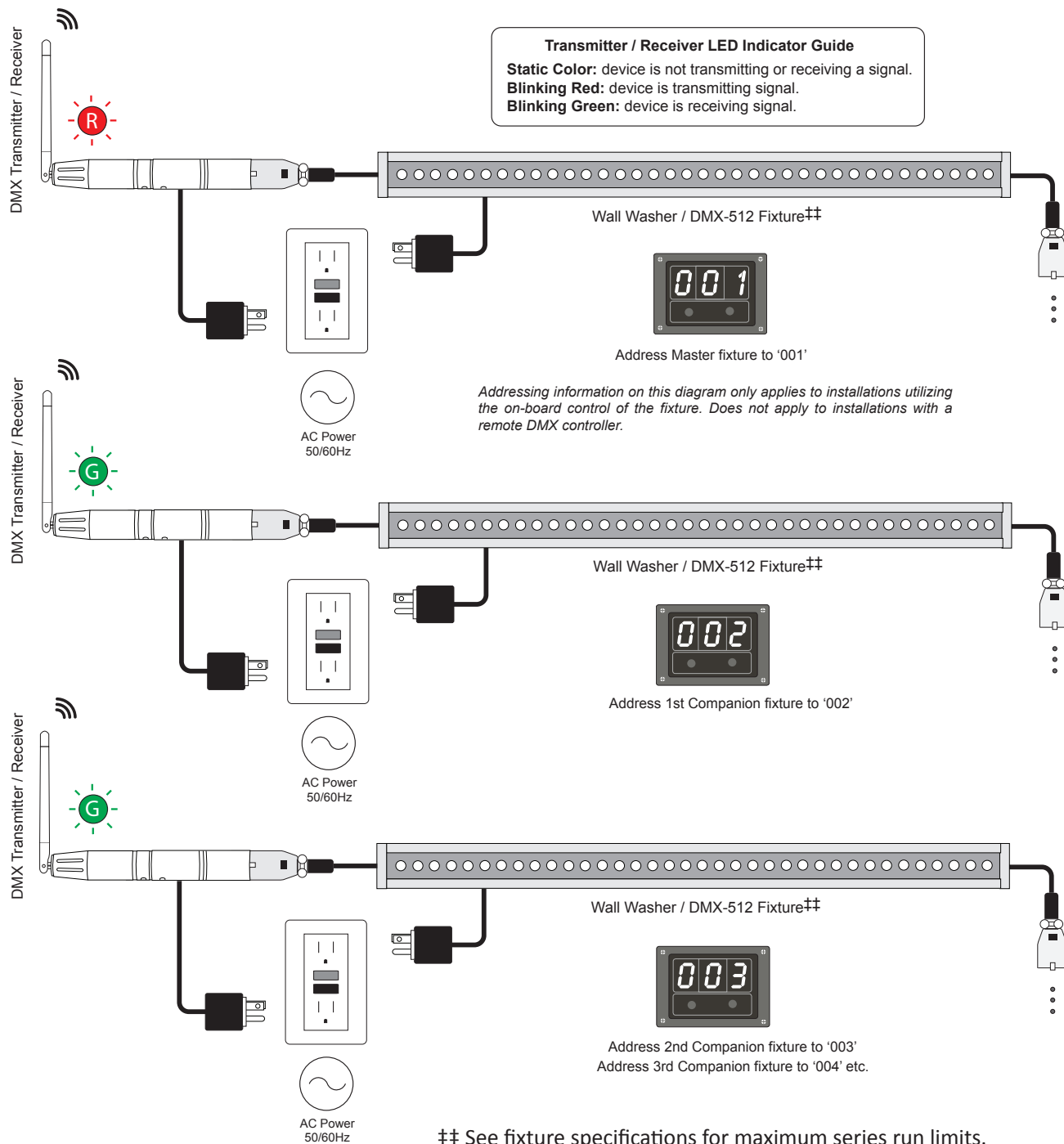
Additional Resources

Visit the on-line product page at www.DiodeLED.com for additional product specifications & warranty information.

- **DMX WIRELESS TRANSMITTER / RECEIVER Specification Sheet**
For full specifications.

System Diagram

The following diagram is provided as an example system design. Always review each component installation guide for detailed and up-to-date wiring instructions. See product web page for additional system designs including remote DMX controllers, DMX decoders, etc. Install in accordance with NEC and local regulations.



QUESTIONS?

Visit www.DiodeLED.com or contact Customer Support at info@diodeled.com or 1.877.817.6028 Monday through Friday, 7:00am- 5:00pm PST.