

⚠ 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 overhead wires, and cause a fire.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.



Quick Specs

Input Signal	DMX512
Input / Output Voltage	12-24VDC Constant Voltage
DMX512 Connection Ports	Input: (1x) Male XLR-3 Output: (8x) Female XLR-3
Ambient Temperature †	-4° ~ 104°F (-20° ~ 40°C)

Included Models

DI-1804

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

Installation

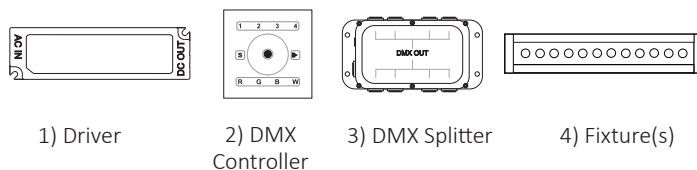
Prior to installation, verify all components are a compatible system. Configure and pre-test your LED system prior to permanent installation to ensure all components are operating correctly. Install in accordance with the NEC and local regulations.

1 Turn OFF High Voltage AC Power at the main breaker.

⚠ WARNING Shock Hazard. May result in serious injury or death.
Turn off power at circuit breaker before installing this product.



2 Determine Locations to Install 4 Main Components.



Determine an accessible location to install a compatible driver between the main breaker and DMX Splitter. Also, determine locations to install additional system components such as DMX fixtures, controllers, etc.

3 Attach Lighting Load and Driver. **Only use copper wiring.** Reference 'Wiring Connections' located further in guide for visual. Verify a compatible constant voltage driver is installed.

4 Install Additional Components, Verify Connections, and Turn Main Power ON at Breaker.



If system remains unresponsive or is working improperly, turn OFF main power at breaker and verify all connections. Review the 'Wiring Connections', 'Troubleshooting', and DMX installation guides.

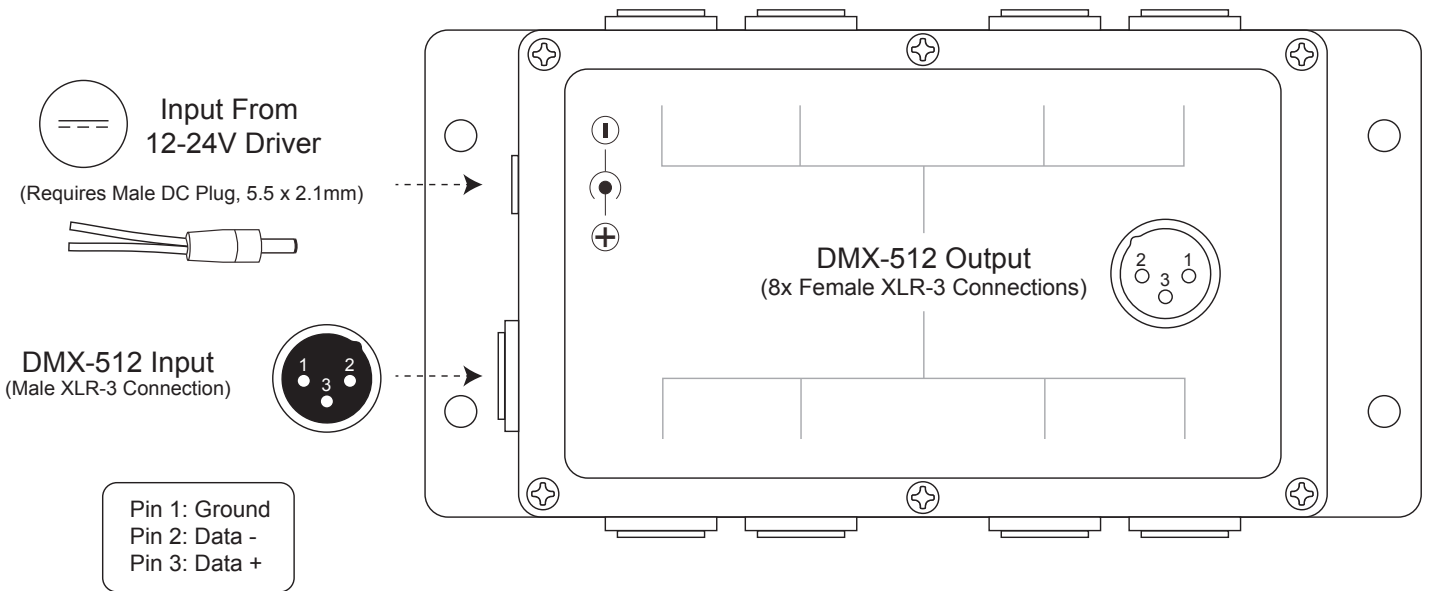
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DMX 8-WAY SPLITTER

INSTALLATION GUIDE

Wiring Connections

DO NOT connect directly to 120VAC. Install in accordance with the NEC, and local regulations.



Troubleshooting

Prior to troubleshooting, ensure a compatible system is installed. Verify compatible fixtures, drivers, controls and additional components were specified correctly.

<p>LED fixture responding incorrectly</p>	<ul style="list-style-type: none"> • Ensure all wiring connections are correct. Reversing the Data + and Data- will cause lights to flicker and not respond to controller: <ul style="list-style-type: none"> • Check power connections of all components (drivers, DMX decoders/fixtures, DMX controller). • Ensure a compatible constant voltage driver is installed. • Ensure the driver and DMX fixture have the same voltage specifications (12V & 12V, or 24V & 24V).
<p>Fixture is flashing or flickering</p>	<ul style="list-style-type: none"> • Verify a compatible constant voltage driver is installed. • Ensure all connections are properly secured.

Additional Resources

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

- **DMX 8-WAY SPLITTER Specification Sheet**
For full specifications.
- **Voltage Drop Charts**
Use to specify appropriate wire gauge for installation. Available at the 'Tools & Resources' page at www.DiodeLED.com.

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.

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