

DMX WIRELESS TRANSMITTER / RECEIVER

SPECIFICATION SHEET

# DI-0820 (female - left)

# DI-0821 (male - right)



Included items: 5VDC Plug-in Adapter per transmitter/receiver



SPECIFICATIONS

<b>Input Voltage</b>	5VDC
<b>Connection Type</b>	XLR-3 Male or Female
<b>Working Frequency</b>	2.400 ~ 2.4835GHz, ISM, 126 RF CH
<b>Modulation</b>	GFSK
<b>Maximum Transmit Power</b>	20dBm
<b>Receiver Sensitivity</b>	-94dBm
<b>Transmitting Distance</b>	1000 ft. effective open area
<b>Wireless ID's</b>	7 color-coded ID's: Red, green, yellow, blue, pink, cyan, white.
<b>Power Failure Memory</b>	Yes
<b>Power Input Connection</b>	3.5mm DC female jack
<b>Warranty</b>	1 Year

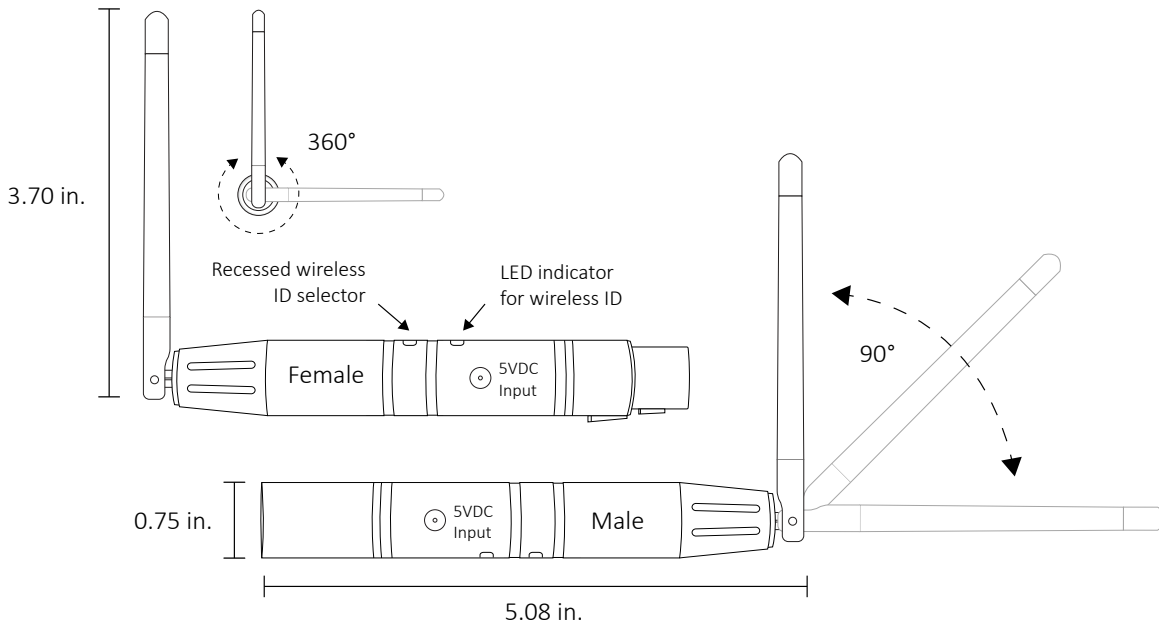
<b>Environment</b>	Suitable for indoor/dry location
<b>Ambient Temperature <sup>1</sup></b>	-4° ~ 104°F (-20° ~ 40°C)
<b>Operating Temperature <sup>2</sup></b>	-4° ~ 122°F (-20° ~ 50°C)
<b>Transmitter / Receiver Dimensions</b>	5.08 x 0.75 in. (L x DIA) Antenna: 3.70 x 0.36 in. (L x DIA)
<b>Adapter Input Voltage</b>	100-240VAC, 0.2A max
<b>Adapter Input Frequency</b>	50/60Hz
<b>Adapter Output Voltage</b>	5VDC
<b>Adapter Dimensions</b>	0.95 x 1.34 x 2.17 in. (L x W x H)
<b>Adapter DC Plug Size</b>	Inside Diameter: 1.35mm Outside Diameter: 3.5mm
<b>Adapter Lead Length</b>	60 in.

**Note <sup>1</sup>** Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage the controller and/or fixture.

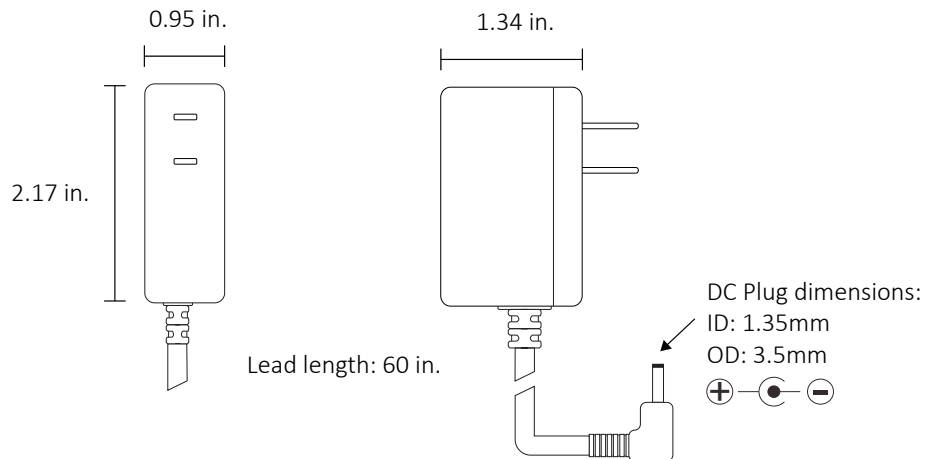
**Note <sup>2</sup>** Operating temperature is measured according to the minimum and maximum ambient temperature environment.

**MECHANICAL DIAGRAM**

**Transmitter / Receiver**



**5VDC Plug-in Adapter**



## ADDITIONAL RESOURCES

Visit the on-line product page at [www.DiodeLED.com](http://www.DiodeLED.com) for additional resources including:

- **DMX WIRELESS TRANSMITTER / RECEIVER Installation Guide**  
For system diagrams and full installation/operating instructions.

## SAFETY / WARNINGS / DISCLOSURES

- 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 120V~277V 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.
- Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage the controller or fixture.
- 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.
- Ensure wire leads at opposing ends of the tape light are not crossed when the fixture is turned on.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.

## WARRANTY

### Limited Warranty

This DMX device has a one (1) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at [www.DiodeLED.com](http://www.DiodeLED.com) under the 'Tools & Resources' tab. For warranty related questions, please contact customer service.

### Consumer's Acknowledgment

Diode LED stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and in-field adjustments can have a significant impact on an entire system. Choosing the right components is essential. Diode LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Diode LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Diode LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgement that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.