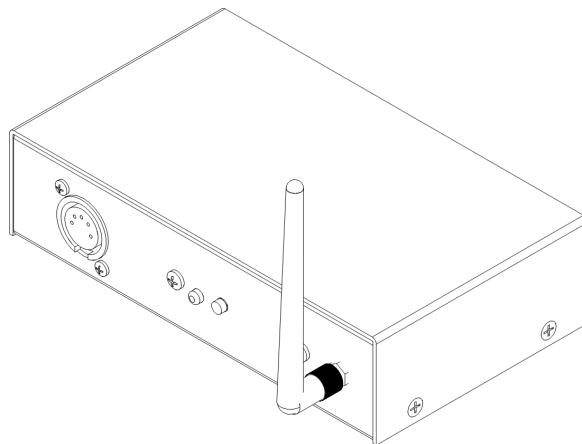


Leprecon®

Wireless DMX systems



User Guide
21-1048 Rev B

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The LWS system from Leprecon offers 100% compatibility with other W-DMX systems from Leprecon and other manufacturers.

Transmitters and receivers are available in two power configurations, AC power with an IEC line cord, and DC power using an external DC power supply. Further information for both follows:

AC Power Models

- Power Input – IEC C20 Male chassis mount Inlet
- Fuse – 2A miniature 5mm x 20mm
- Maximum power draw – 1A
- NEMA 5-15 line cord included

DC Power Models

- Parallel blade power adapter included with unit
- Power requirement: 5VDC 1A
- Power inlet – barrel plug 5.5mm x 2.5mm center positive

General Information

The W-DMX system uses a 2.4 ghz radio signal to transmit DMX data. Spread-spectrum transmission (AFHSS) technology prevents interference with the DMX signal from other radio devices.

Range for the W-DMX is approximately 2300 feet using the standard antenna with a clear line-of-sight. The signal will penetrate walls and other barriers, but the signal level will be reduced. Human bodies tend to block the signal, so it is best to locate the transmitter and receiver above audience areas.

W-DMX Link

Before use, receivers must be linked to a specific wireless transmitter. Once this link is established, the receiver will respond to that particular transmitter until it is linked to a new transmitter. This synchronization data is preserved when the power is turned off.

Setting up a RECEIVER:

The transmitter and receiver both use two simple controls, a momentary Status switch and an LED Link indicator. The Receiver Link LED shows the following information:

- OFF – Dimmer is not linked to any transmitter. DMX cable input can be used.
- ON – Dimmer is linked to a transmitter, and receiving DMX data.
- ON, short blink off – Dimmer is linked to a transmitter, but no data is being received.
- On / Off flash – Dimmer was linked, but connection was lost.

To Link a receiver to a specific transmitter:

- Unlink the receiver by pressing and holding the switch until the Link LED turns off.
- Verify that the LED is off.
- Press the Status switch on the **TRANSMITTER** and hold for one second.
- The Link LED on both the transmitter and receiver will begin to blink.
- The RECEIVER status LED will stop flashing and remain lighted to indicate that it is now linked to the transmitter.

To unlink ALL dimmers from a transmitter:

- Press and hold the Status switch on the **TRANSMITTER** for four seconds.
- The Link LED's of all dimmers previously linked to that transmitter will turn off.

Transmitter Link LED indications:

- ON – Normal DMX link operation
- Fast blink – Linking all available receivers
- Slow blink – Unlinking all receivers