



WPRORX

Indoor Receiver with WDMX G3/4 & CRMX

USER MANUAL



For your safety, please read this user manual carefully before use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version 1.0 (December 2023)

INTRODUCTION

Powered by Lumenradio, the WDMX series is the most reliable and affordable wireless DMX too on the market. Utilizing Cognitive Coexistence technology, the wireless system transmits or receives safe and reliable DMX data without any delay and interference. Ideal for rental, mobile show, event, club, DJ, etc. Please read this user manual carefully and thoroughly before operation.

1.1 Unpacking

The following items are included in the box:

- 1 x WPRORX
- 1 x Power cable
- 1 x Mounting bracket
- 1 x User Manual

Carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Contact your supplier immediately and retain packing material for inspection if any part is missing or damaged.

1.2 Safety Instructions



Warning!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- This product is intended for indoor use only!
- Please keep this User Guide for future consultation.
- Do not attempt to dismantle and/or modify the transmitter in any way.
- To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure that the voltage and frequency of power supply match the power requirements of the transmitter/receiver.
- Make sure power cord is never crimped or damaged.
- The transmitter is only intended for installation, operation and maintenance by qualified personnel.

1.3 Features

- Supports CRMX and W-DMX G3 and W-DMX G4S
- Automated Cognitive Coexistence technology
- Worldwide license free 2.4 GHz frequency
- Receives 512 channels (1 universe) of DMX data
- Maximum 16 universes of DMX in one area
- One-button-go for quick setup
- Point-to-point, point-to-multipoint or multipoint-to-multipoint operation

1.4 Production Overview



- ① Antenna
- ② Interface LED indicators

LINK indicator

On=Linked with a Transmitter and receiving RF signal, Off =Unlinked
Fast flashing (3Hz)=Linking or linked but lost RF signal
Slow flashing (1Hz)=Linked, but lost DMX signal

DATA indicator

On=Receiving DMX signal, Off=Not receiving DMX signal

MODE indicator

Green when power on

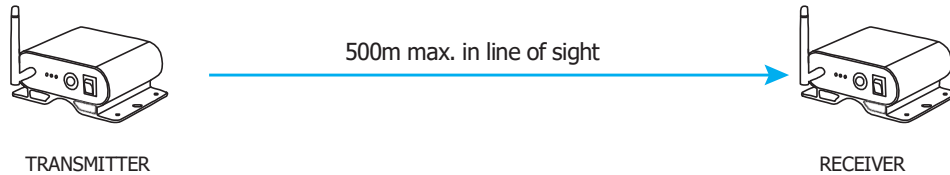
- ③ LINK button
- ④ Power Switch
- ⑤ PowerCon In
- ⑥ Fuse holder: F1A, 250V
- ⑦ ⑧ DMX In/Out

SETUP

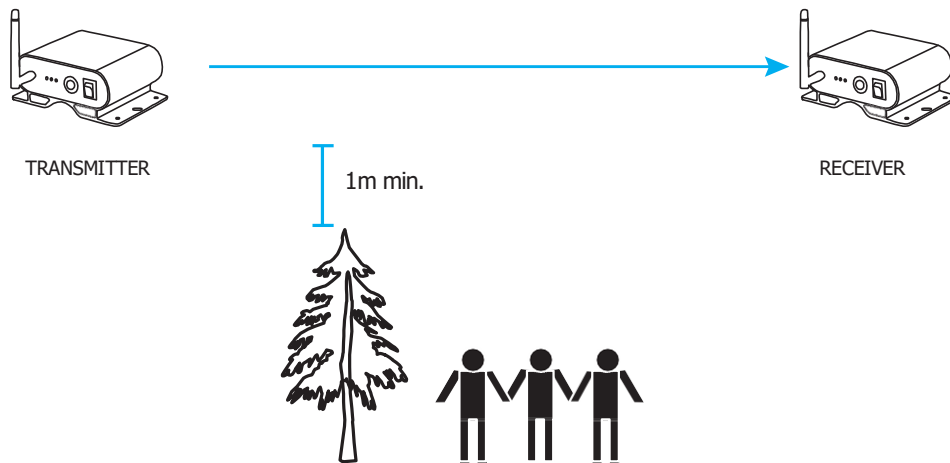
1.5 Placing Transmitter and Receiver

For successful linking and better performance, the following conditions should be fulfilled:

a. Distance between Transmitter and Receiver should not exceed 500m.



b. Position of Transmitter and Receiver should be 1m at least above crowds and trees .



1.6 Placing Transmitter and Receiver

The Wireless unit can be rack or truss mounted. A safety cable is required to secure the unit when it is mounted onto the truss.

1.7 System connection

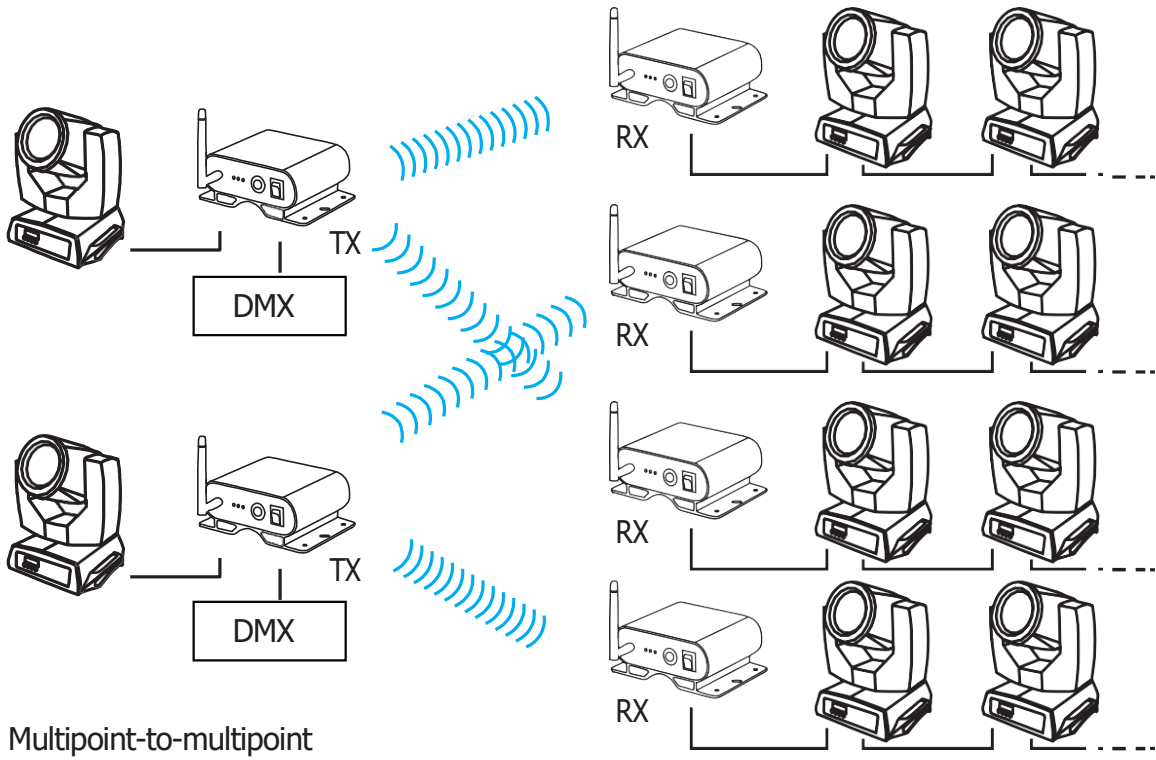
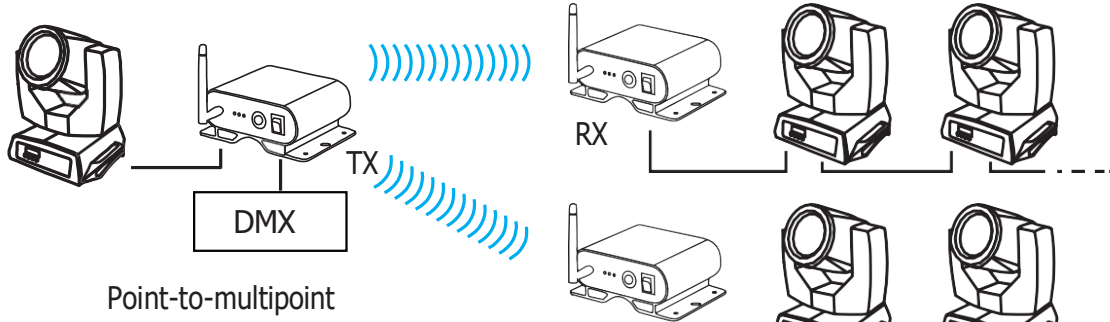
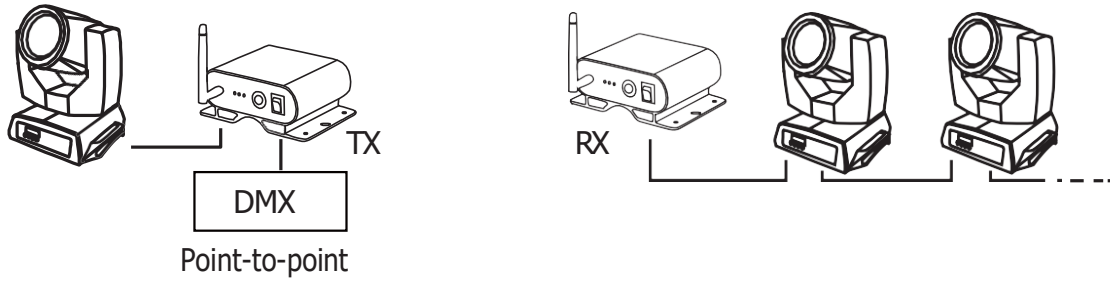
Use DMX cables to connect DMX IN of the TRANSCIEVER to DMX source and DMX OUT of RECEIVER to lighting equipments.

1.8 Power

The wireless system is designed to work on AC 100-240V 50/60Hz. Before applying power to a unit, make sure that the unit's input voltage matches the power source voltage.

1.9 Connections

The wireless units can be operated in point-to-point, point-to-multipoint or multipoint-to-multipoint.



Note: Maximum universes in coexistence: 16

OPERATION INSTRUCTIONS

1.10 Linking the devices

Press and quickly release LINK button on the Transmitter. The Transmitter will scan for all unlinked receivers. The LINK indicators on both the Transmitter and Receiver(s) will flash rapidly for 5 seconds and then stay static on once linked up.

NOTE: There is no limited number of receivers that can link up with a transmitter - there can be an infinite number of receivers all paired with a single transmitter.

You can add receivers at any time, even during operation. In an operational system, adding on an additional receiver will make the logged-in units revert to idle mode for 10 seconds; once the new units are linked up they will all start again together with the new unit.

1.11 Unlinking the devices

There are two ways to unlink the devices - individual unlink or group unlink.

Unlink one: press and hold the LINK on the Receiver for 5 seconds and LINK indicator turns off.

Unlink all: press and hold LINK button on a Transmitter for 5 seconds and then release, all paired and powered receivers will be unlinked from this Transmitter.

4. Specifications

- Frequency band: 2.4GHz
- DMX latency: <5ms
- Antenna type: 5dBi
- Transmission distance: approx. 500m
- IP rating: IP20
- Power supply: AC 100-240V 50/60Hz
- Power consumption: 10W max.
- Fuse: F1A/250V
- Dimension: 145mm x 100mm x 57mm
- Weight: 1.2 kg

Warranty

Please refer to your local dealer or contact Event Lighting.

www.event-lighting.com.au