SPIDERSPLIT6T

6Way DMX Splitter + WDMX Receiver

User manual

This manual contains important information.
Please read before operating fixture.

CE

1. INTRODUCTION

The SPIDERSPLIT6T is a wireless DMX Receiver and 6Way DMX Splitter 2-in-1 unit. It can be used as normal DMX splitter when there is no Wireless Transmitter . As a Wireless DMX Receiver, it is compatible with LumenRadio CRMX and W-DMX Transmitter. Please read this user manual carefully and thoroughly before operation.

1.1 Unpacking

The following items are included in the box:

- 1 x SPIDERSPLIT6T
- 1 x Power cable
- 1 x Antenna
- 2 x Velcro straps
- 1 x Wall mount bracket
- 1 x User Manual

Wall mount bracket

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 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

WIRELESS DMX RECEIVER

- Supports CRMX and W-DMX G3 and W-DMX G4S
- 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 multpioint-to-multipoint operation

DMX SPLITTER

- 1 input to 6 outputs
- 3pin or 5pin DMX In
- 3pin or 5pin DMX Thru
- 3pin or 5pin DMX Out

100% isolation for all inputs and outputs
Signal & power LED indicator for output

1.4 Production Overview

2. SETUP

2.1 Rigging

The unit can be mounted onto wall, truss or pipe with velcro straps (included) or clamp (not included) .

Truss mounted with straps (straps included)

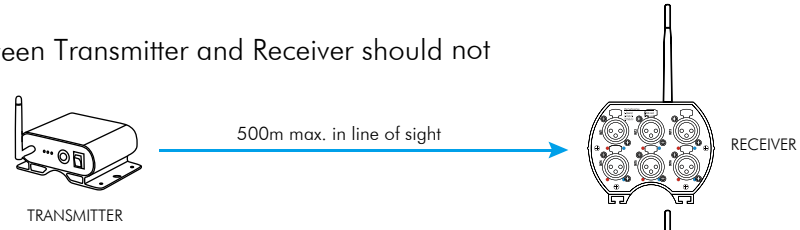
Truss mounted with clamp (clamp not included)

Truss mounted with bracket (wall mount bracket included)

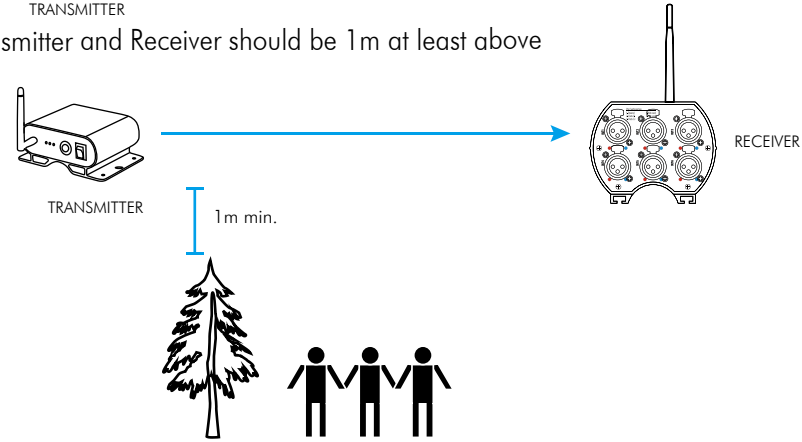
2.2 Placing Transmitter and Receiver

For successful linking and better performacnce, 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 .



2.3 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.

2.4 System connection

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

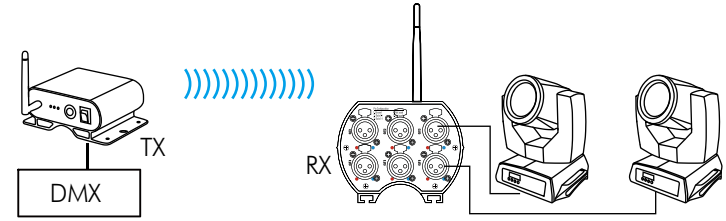
2.5 Power

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.

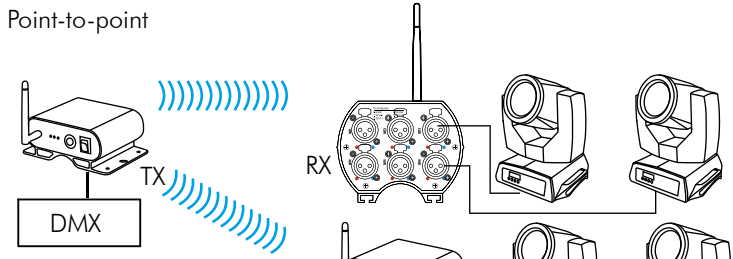
2.6 Connections

The unit can be used as a wireless DMX Receiver or normal DMX Splitter.

A wireless system requires at least one wireless DMX Transmitter and one wireless DMX Receiver. The system can be point-to-point, point-to-multipoint or multipoint-to-multipoint.

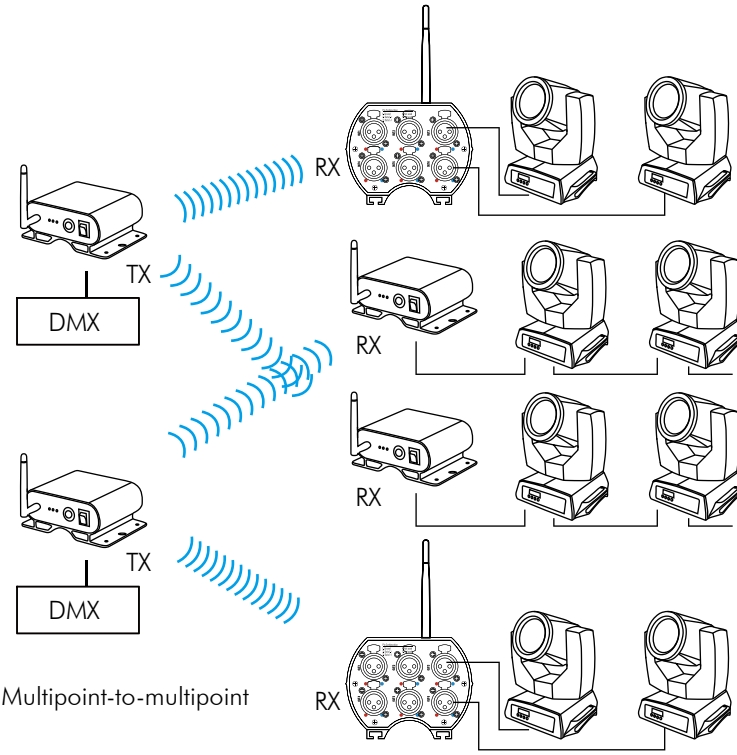


Point-to-point



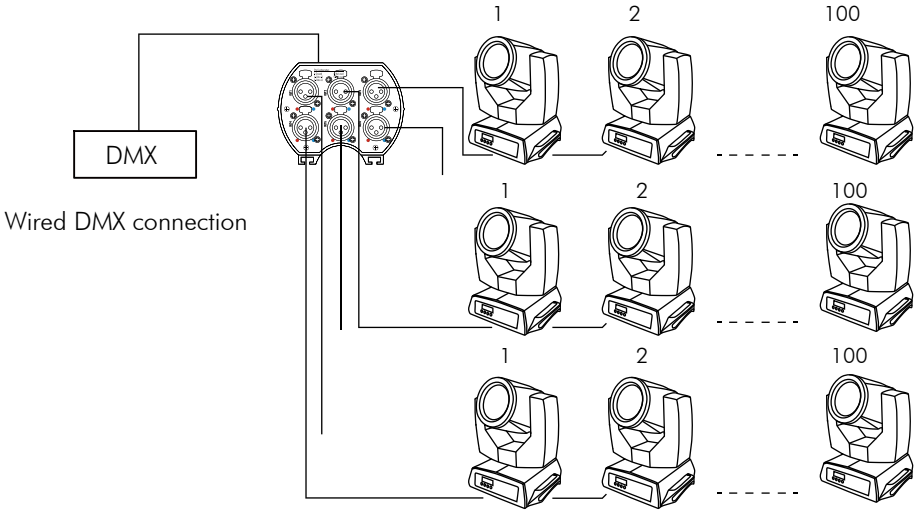
Point-to-multipoint

(Number of Receiver is not limited)



Multipoint-to-multipoint

Note: Maximum universes in coexistence: 16



Wired DMX connection

High capacity: Six channels and each channel can drive up to 100pcs DMX devices.

3. Wireless DMX INSTRUCTIONS

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.

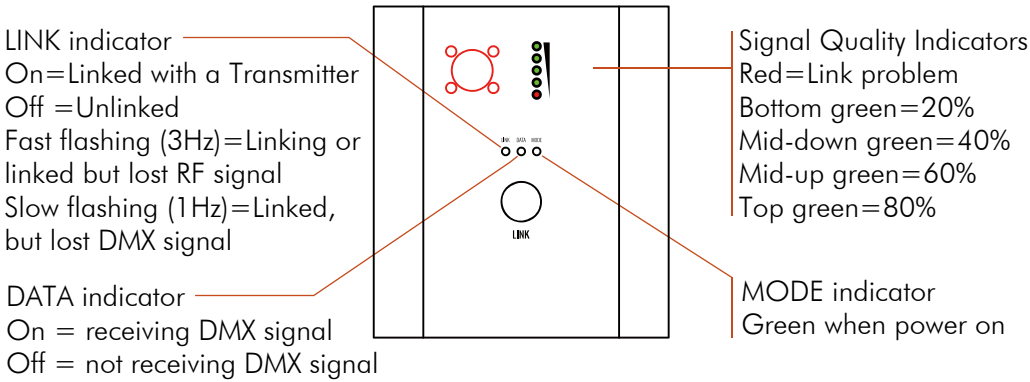
Unlinking the devices

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 paied and powered receivers will be unlinked from this Transmitter.

LED indicator interface



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: 137x 122 x 97mm
- Weight: 0.8 kg

FCC Notice

- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference,and (2) this device must accept any interference received, including interference that may cause undesired operation.

- Changes or modifications not expressly approved by the manufacturer responsible for compliance could avoid the user's authority to operate the equipment.

IMPORTANT INFORMATION!

In order to optimize the recovery and recycling of the materials that old appliances contain and reduce the impact on human health and the environment, ensure that this product is recycled at the end of its life.