

## Wireless DMX512 Transceiver



**FC RoHS** 5-Year Warranty

● wireless DMX512 transceiver transfers the standard DMX512 protocol data wirelessly. One emitter matches one or multiple receivers if using the same ID. (Supporting point-to-point, point to multi-point communication),

● is used for data transmission between DMX console and lights, or between lights and lights, which replace the wired transmission. The data will not be delayed, will be true and reliable during transmission process.

● with automatic frequency hopping function, transceiver will automatically choose clear channel to send DMX512 data when works as an emitter. and can search and match the correct channel to receive DMX 512 data when works as a receiver.

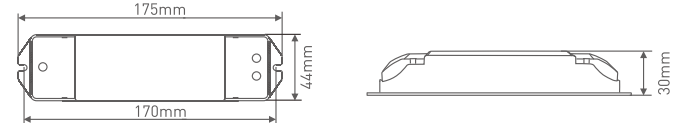
Use relay settings or connect to booster antenna to further the communication distance.

### 1. Technical Specs:

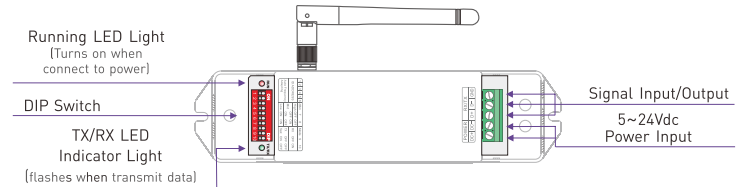
#### Wireless DMX512 Transceiver

Input/Output Signal:	DMX512	Communication Distance:	350m (weather/environment affects the actual values)
Input Voltage:	5~24Vdc	Working Temperature:	-30°C~55°C
Working Frequency:	2.4GHz	Dimensions:	L175xW44xH30(mm)
Max. Transmitted Power:	20dBm	Package Size:	L178xW56xH33(mm)
Receiver Sensitivity:	-96dBm	Weight [G.W]:	125g

### 2. Product Size:



### 3. Configuration Diagram:



### 4. Dip Switch Operation:

#### 4.1 Dip Switch 9-10: Mode



The 10th is ON, the 9th is OFF  
LT-870S works as a receiver.



The 10th is OFF, the 9th is OFF  
LT-870S works as an emitter.  
Sending out the data from the DMX console.



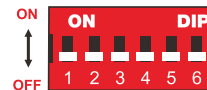
The 10th is OFF, the 9th is ON  
Self-testing mode,  
Sending out the auto-generated DMX console data (170 pixels full color smooth changing effect).

#### 4.2 Dip Switch 7-8: transmission power



dBm	7	8	Diagram
High	OFF	OFF	
Middle	OFF	ON	
	ON	OFF	
Low	ON	ON	

#### 4.3 Dip Switch 1-6:



Communication between emitter and receiver will be normal if they have the same ID.

E.g.:



Emitter

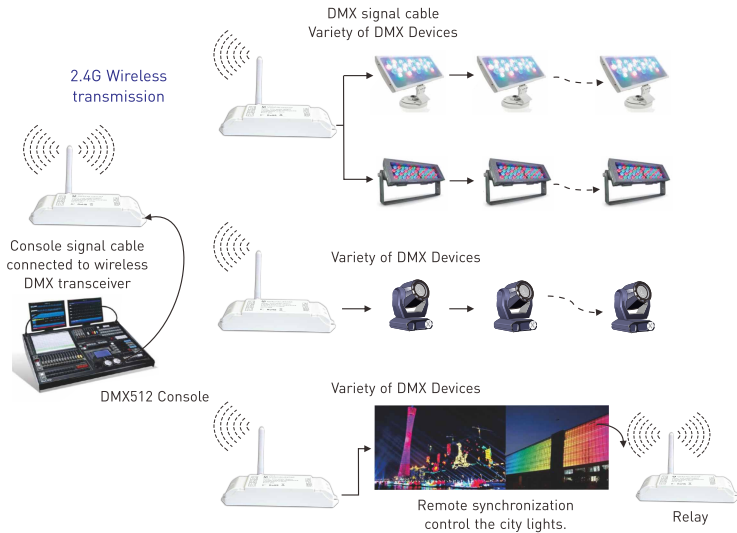


Receiver

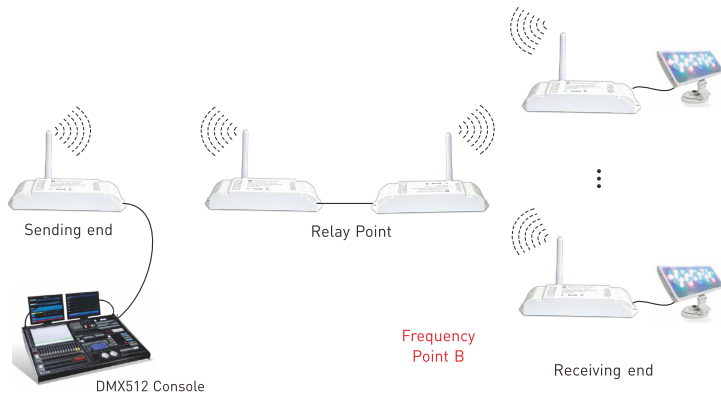
\* 64 kinds of ID combinations in total.

## 5. Wiring Diagram:

### 5.1 One sending end, multiple receiving ends:



### 5.2 Relay way to extend the communication distance:



## 6. Attention:

- 6.1 The product shall be installed and serviced by the qualified person.
- 6.2 This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- 6.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 6.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 6.5 Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6.7 If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

## FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### 15.21 Information to user

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

[54 FR 17714, Apr. 25, 1989, as amended at 68 FR 68545, Dec. 9, 2003]