

# Wireless DMX512 Transceiver



- 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.

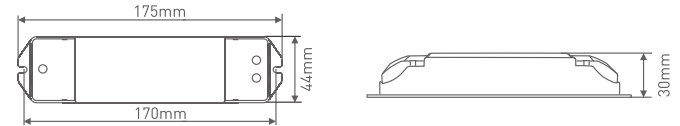
Use relay settings or connect to booster antenna to further the communication distance.

## 1. Technical Specs:

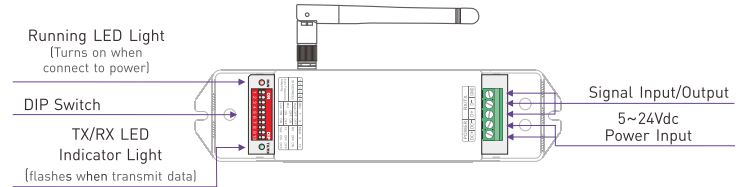
### Wireless DMX512 Transceiver

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

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

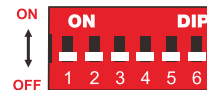
**OFF** **The 10th is OFF, the 9th is ON**  
LT-870S works as an emitter.  
Sending out the data from the DMX console.

**ON** **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:



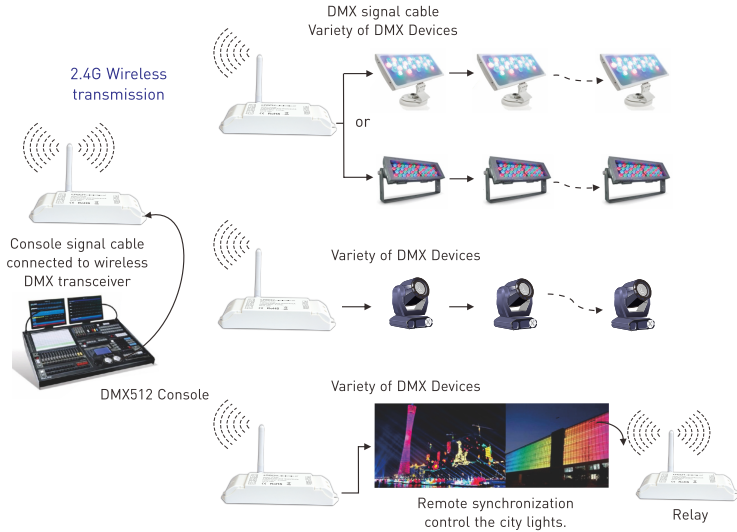
Communication between emitter and receiver will be normal if they have the same ID.



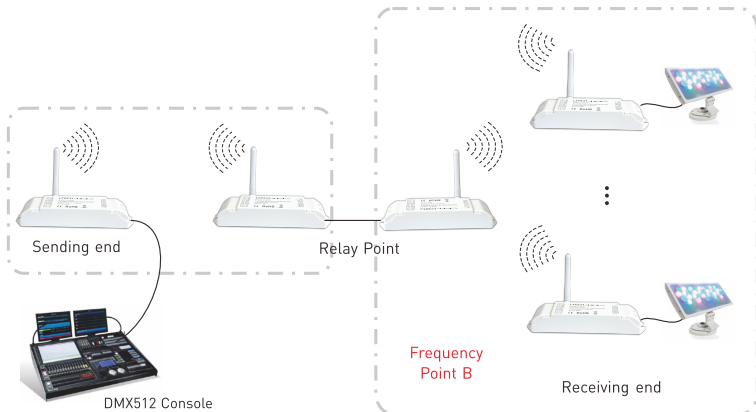
\* 64 kinds of ID combinations in total.

**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.