

# 2.4G Wireless power repeater LT-3053-5A



## Brief introduction

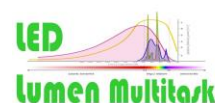
The global's first LED power repeater launched by LTECH in 2003 brings great convenience for engineering applications in global LED industries. In ten years, with continuous innovation, the global's first LED wireless remote synchronization power repeater developed by our company at present, can be applied to all power type LED controllers on the market.

Wireless LED power repeater transfer 300Hz~20KHz PWM pulse signal by wireless transmission to expand power. It is consisted of sending end LT-3050 and receiving end LT-3053-5A/LT-3054-6A. A sending end can configure unlimited receiving ends. As long as the receiving end and sending end are set as same frequency point, both sides can communicate normally. Realize the signal synchronization on unlimited receivers within effective distance. A very good solution for the LED project needs sync control wirelessly. Such as the wireless remote control between buildings, both sides of the roads, river banks and bridges, etc.

Use relay Settings if need further increase the communication distance.

## Performance Features

1. • Adopt 2.4GHZ RF global open ISM frequency channel, which is applicable for license free worldwide and efficient GFSK modulation.
2. • Support 1-4 channels constant voltage LED power repeater, and maximum output current is 5A per channel.
3. • A sending end can configure unlimited receiving ends. As long as the receiving end and sending end are set as same frequency point, both sides can communicate normally.
4. • 64 channels choices, users can use 64 groups wireless network independently without interference in one place.
5. • 4 kind choices of sending end transmitted power level, visual communication distance can reach 350 meters at maximum transmitted power (20dBm),
6. • With self-test inspection mode when need to test the wireless link quality or engineering installation and debugging.



7. • Use relay settings or connect to Booster Antenna to further the communication distance. Relay once or many times to achieve the
8. required distance.



**Product parameter**

**LT-3050 wireless transmitters**

Input voltage	DC5V~DC24V
Input signal	PWM x 1-4CH
Working frequency channel	2.4GHz ISM 64 channels
Maximum transmitted power	20dBm
Communication distance	350m (Exist differences in different conditions, such as the weather \ environment etc.)

working temperature -20°C~55°C

Dimension	L175×W44×H30mm
Package Size	L178×W48×H33mm
Weight (G.W)	110g

**LT-3053-5A wireless receiver**

Input voltage	DC5V~DC24V
Max current load	5A×3CH Max 15A
Max output power	75W/180W/360W(5V/12V/24V)
Working frequency channel	2.4GHz ISM 64 channels
Communication distance	350m (Exist differences in different conditions, such as the weather \ environment etc.)

Receiver sensitivity -96dBm

working temperature -20°C~55°C

Dimension	L175×W44×H30mm
Package Size	L178×W48×H33mm
Weight (G.W)	110g

**LT-3054-5A wireless receiver**





Input voltage	DC5V~DC24V
Max current load	5A×4CH Max 20A
Max output power	100W/240W/480W(5V/12V/24V)
Working frequency channel	2.4GHz ISM 64 channels
Communication distance	350m (Exist differences in different conditions, such as the weather \ environment etc.)
Receiver sensitivity	-96dBm
working temperature	-20°C~55°C
Dimension	L175×W44×H30mm
Package Size	L178×W48×H33mm
Weight (G.W)	110g



**Conjunction diagram**

