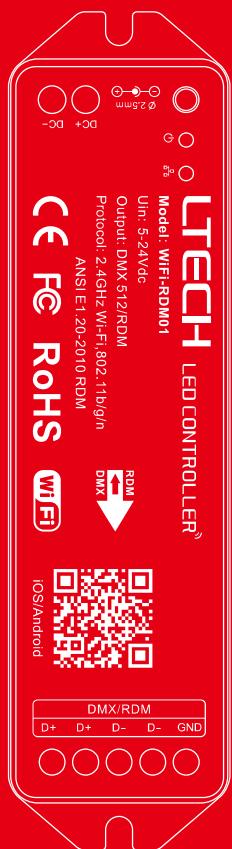


LTECH

WiFi-RDM LED CONTROLLER Operating Instruction



Product features



Fast searching



Address programmable



Long-range maintenance



Convenience testing



Firmware upgrade



WiFi-RDM01 is the RDM master control, which browsing and setting corresponding parameters of the equipment with RDM protocol through the RDM standard protocol.

WiFi-RDM01 uses the WiFi module, which can wireless control by the phone's APP and support to upgrade the firmware remotely. which is convenient for customers' using the most functional and latest firmware version.

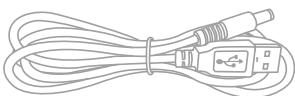
WiFi-RDM01 can be compatible with other brand's product with RDM protocol, and it does not affect the normal operation of other products when hangs on the bus.

Points: support parameters setting and firmware upgrade by App.

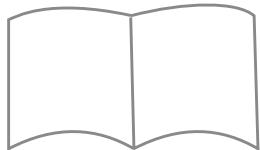
Package content



LED controller 1pcs



Power conversion line 1pcs



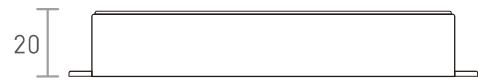
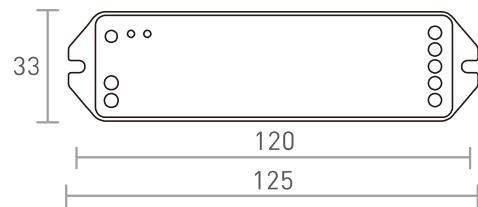
Technical brochure 1pcs

Product parameters

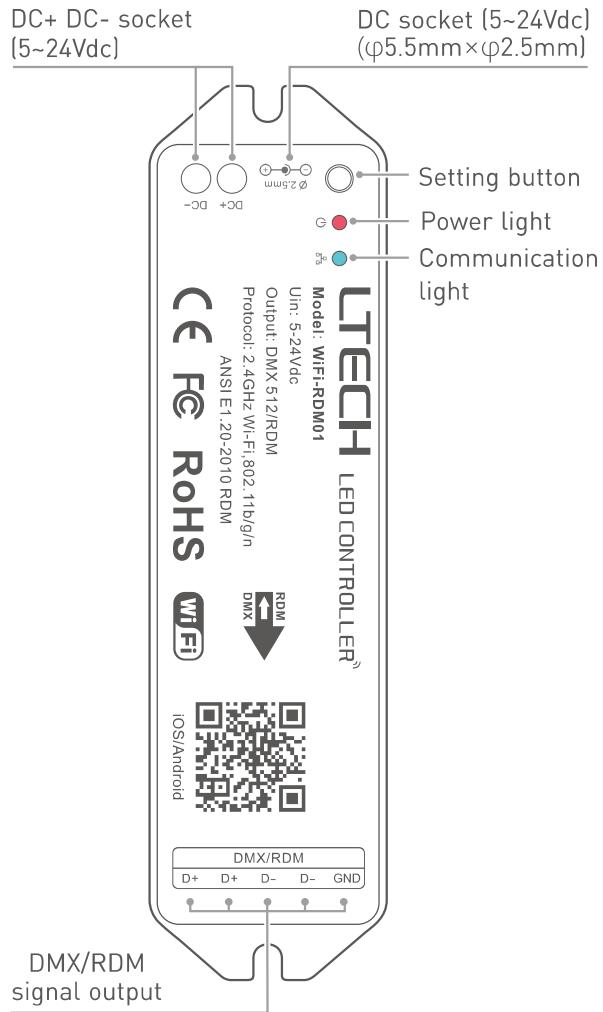
Model:	WiFi-RDM01
Name:	LED controller
Input voltage:	5~24Vdc
Output signal:	DMX512 / RDM
Wireless type:	2.4GHz Wi-Fi , 802.11b/g/n
Working temp.:	-25°C~50°C
Warranty:	5 years
Product size:	125×33×20mm(L×W×H)
Packing size:	127×35×24mm(L×W×H)
Weight(G.W.):	110g



Unit: mm



Product structure

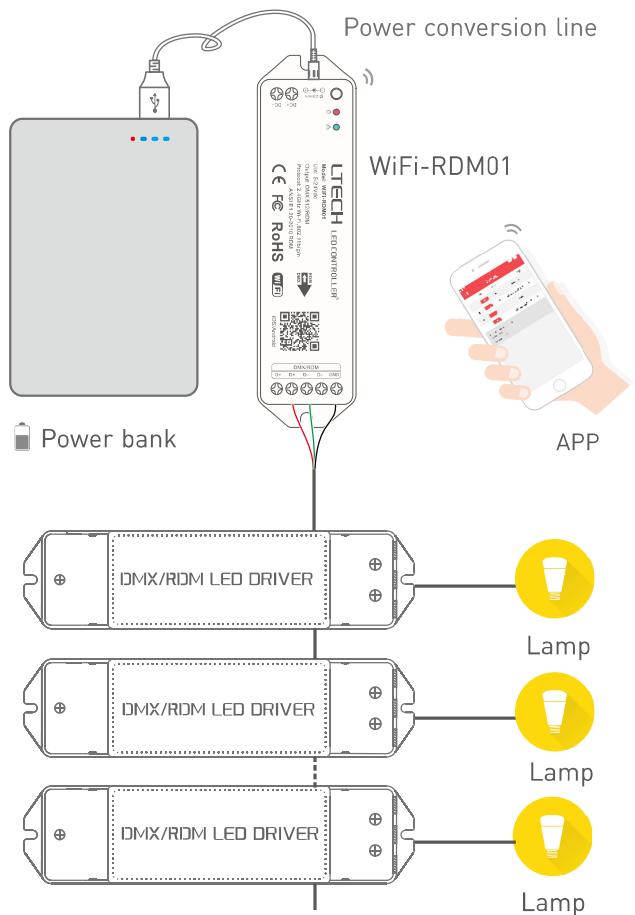


Power light: red light is on (power is normal).
red light flash (abnormal).

Communication light:
Blue light flash slowly (initialization).
Blue light is off (configuration complete).
Blue light flash quickly (data transceiver).

Setting button: long press the button for 6s to restore the factory settings (WiFi default password: led88888).

Product installation



Connect resistance on the terminal.
The unit can connect with multiple RDM function decoders.

★ The product can be powered by power bank or 5~24V adapter through power conversion line.

Two options for the power input:
DC+DC-socket & DC socket.

Please use standard RS485 shielded twisted pair signal cable.

1. Connect & match

Scan QR code to download the APP via mobile phone.



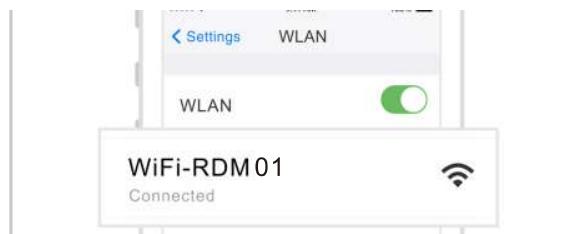
iOS / Android

Connect the device as follow, then power on it, make sure the communication light is off.



2. Connected WiFi

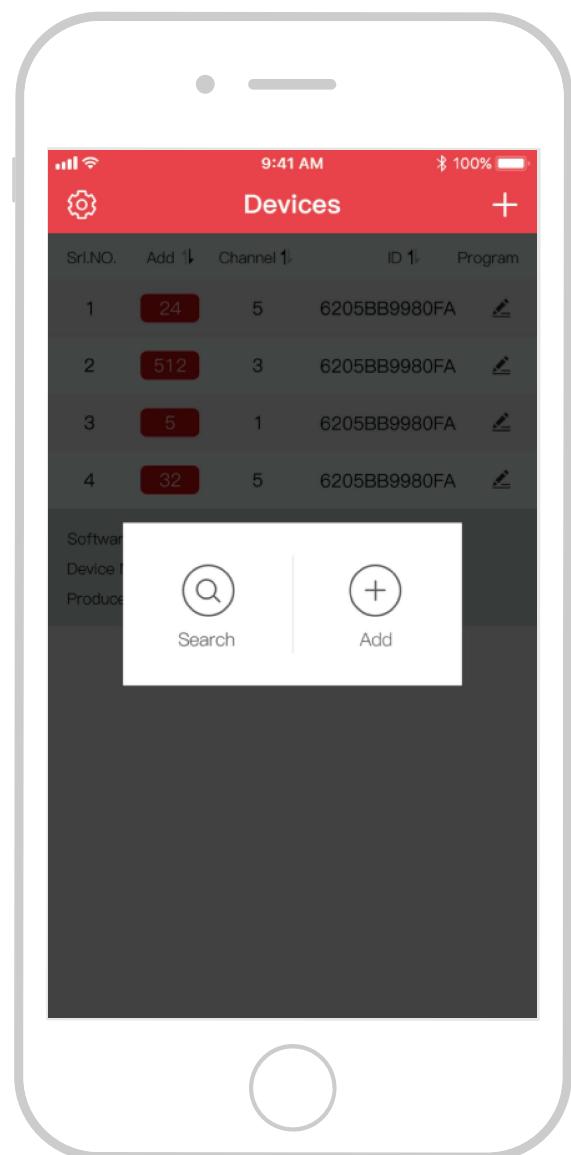
After confirming that the WiFi-RDM01 has already matched with the RDM device, follow the instructions to connect the WiFi through the phone. **The default WiFi name is WiFi-RDM01, password: led88888.**



Attn: if the phone failed to search "WiFi-RDM01" SSID, please reboot the power supply, and reconnect WiFi when the communication light is off.

3. Search & add device

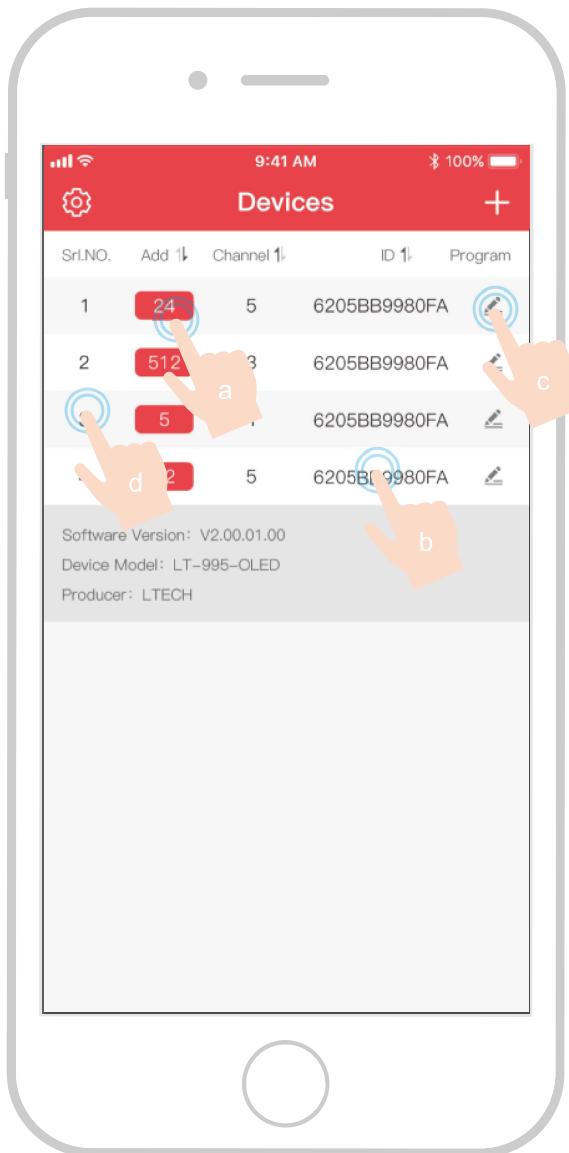
After setting, click "+" in the upper right corner, "Search" and "Add" button will pop-up.



4. Devices

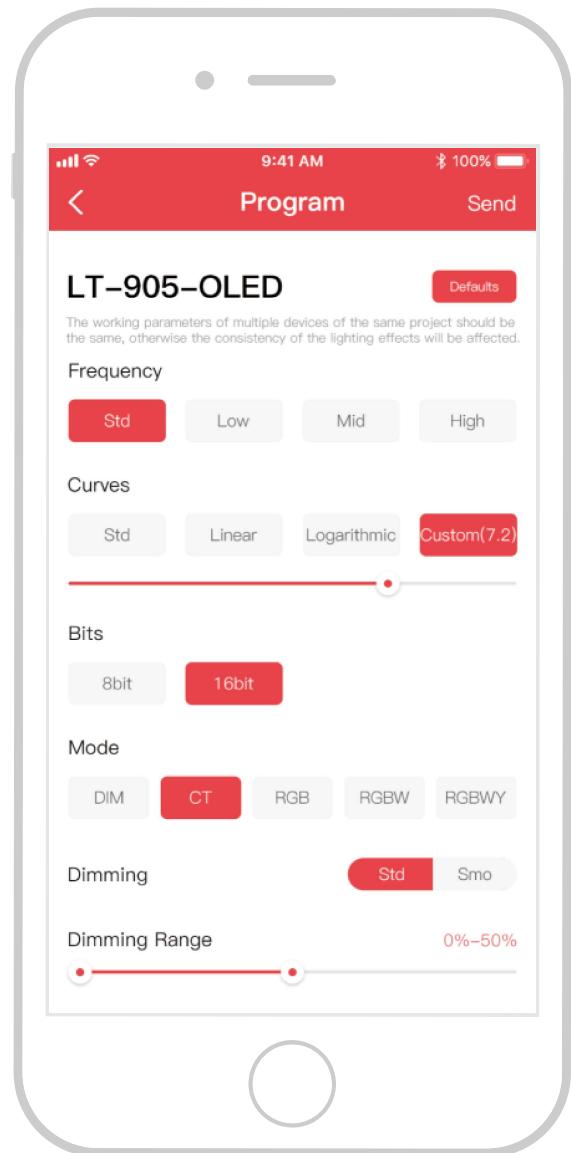
The device can be edited after searching successfully.

- a: Click "Add", edited the address in corresponding box.
- b: Click "ID", get more product details.
- c: Click "edit", enter edited interface.
- d: Click "No.", issue the recognizing command.



5. Parameters editing interface

Setting the frequency, bit, curve, modes, dimming range, screen saver, etc, in parameter interface.
(for different model, the parameter is different, examples are shown below.)



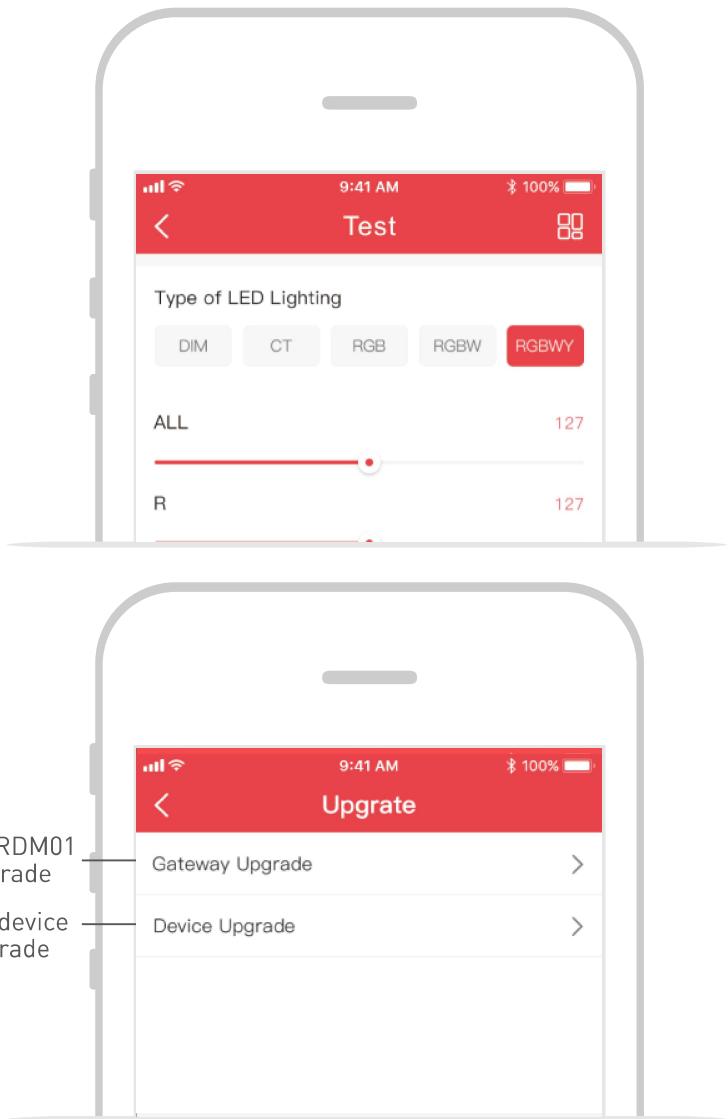
6. Address setting

Click the “

The image shows four screenshots of a smartphone interface for setting DMX addresses. The top-left screenshot shows the 'More' menu with options: Test, DMX Address, Setting WiFi, About, and Feedback. The top-right screenshot shows the 'Test' interface with a 'Type of LED Lighting' section (DIM, CT, RGB, RGBW, RGBWY, RGBWY) and a color slider for 'ALL' (127) and 'R' (127). The bottom-left screenshot shows the 'DMX address: Unicast' interface, prompting the user to choose a model (LT-905-OLED) and a slot (e.g., #18). The bottom-right screenshot shows the 'Upgrade' interface with options: WiFi-RDM01 upgrade, Gateway Upgrade, and Device Upgrade.

7. Testing and device upgrade

Click “Test” in “More” interface, enter “Test” interface, testing the lamp types and single channel. Click “upgrade”, enter “upgrade” interface, the WiFi-RDM01 and the connected DMX driver can be upgraded.



Supporting WiFi-RDM01 upgrade and DMX driver upgrade.

Update time: 2024.09.25_A3

Attention

1. The product shall be installed and serviced by the qualified person.
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.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the voltage of the power supply used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

No further notice if any changes in the manual.
Product function depends on the goods.
Please feel free to contact your supplier if any question.

Scan QR code to follow our website



www.ltech-led.com

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