

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.

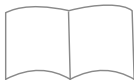
Package content



LED controller 1pcs



Power conversion line 1pcs

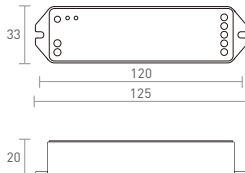


Technical brochure 1pcs

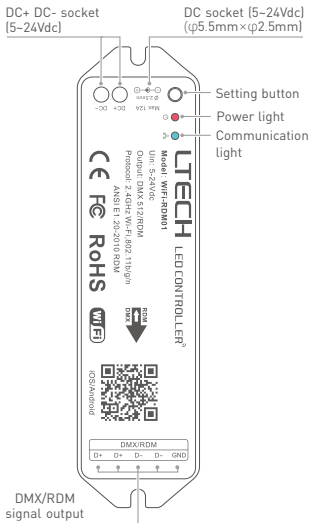
Product parameters

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.:	-30°C-55°C
Warranty:	5 years
Product size:	125×33×20mm(L×W×H)
Packing size:	127×35×24mm(L×W×H)
Weight(G.W.):	110g
Certifications:	CE

Unit: mm



Product structure

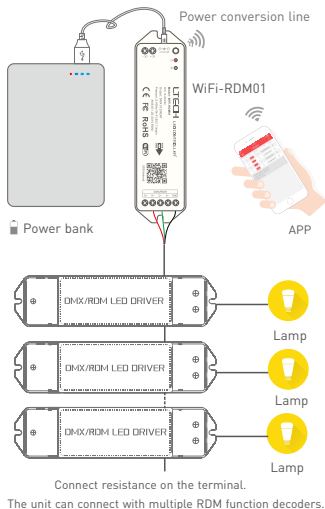


Power light: red light is on (power is normal).
red light flash (abnormal).

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



★ 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.



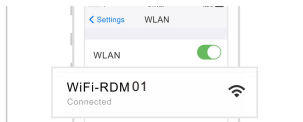
iOS / Android

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



2. Connected WiFi

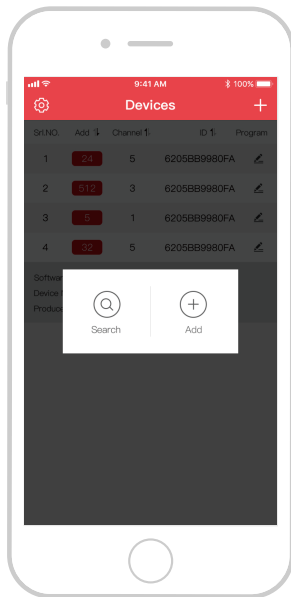
After confirming that the WiFi-RDM01 has already matched with the RDM device, follow the instructions to connect the WiFi through the phone. **The default WiFi name is WiFi-RDM01, password: led88888.**



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

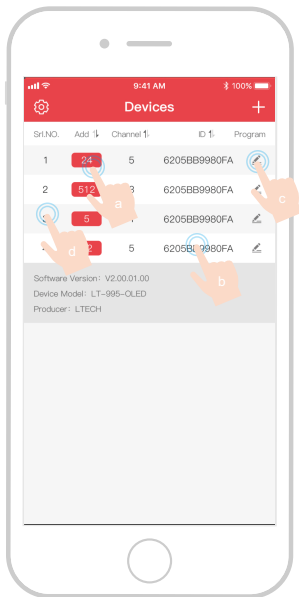
3. Search & add device

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



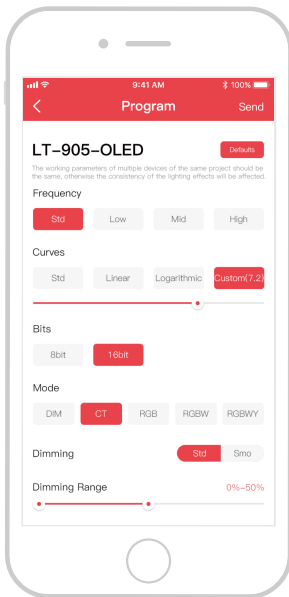
4. Devices

- 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 "✎", 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.)

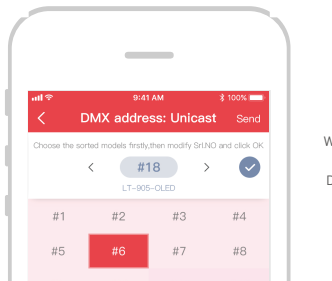
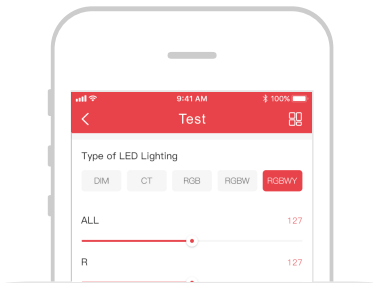
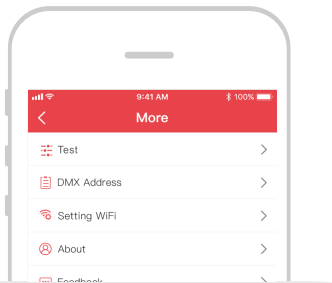


6. Address setting

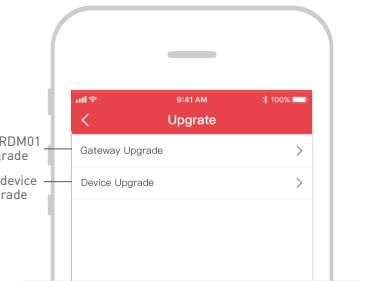
Click the "⚙️" on the top left of home page, enter "More" interface, and click "DMX address" to set the address of unicast or broadcast.

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.



WiFi-RDM01
upgrade
DMX device
upgrade



Supporting WiFi-RDM01 upgrade and DMX driver upgrade.

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

LTECH

LTECH

WiFi-RDM LED CONTROLLER

产品说明书



产品特点



快速搜索



编辑地址



远程维护



测试便捷



设备升级



WiFi-RDM01作为RDM主控工具，通过RDM标准协议对具备RDM协议的设备进行相应的参数浏览与设置。

通过手机APP连接WiFi进行无线操控，支持远程固件升级，方便用户使用到功能最优最新的固件版本。

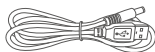
WiFi-RDM01可以兼容其他厂家带有RDM协议的产品，且该产品挂接在总线上不影响其他产品的正常运行。

产品亮点：支持APP设置参数及固件升级，随心更改，免高空作业。

包装清单



LED控制器 1台



电源转换线 1条



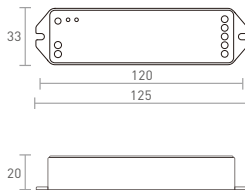
说明书 1本

产品参数

产品型号:	WiFi-RDM01
产品名称:	LED 控制器
输入电压:	5-24Vdc
输出信号:	DMX 512 / RDM
无线类型:	2.4GHz Wi-Fi , 802.11b/g/n
工作温度:	-25°C-50°C
保修期限:	5年
产品尺寸:	125×33×20mm(L×W×H)
包装尺寸:	127×35×24mm(L×W×H)
产品重量:	110g

CE FCC RoHS  

单位: mm



产品结构

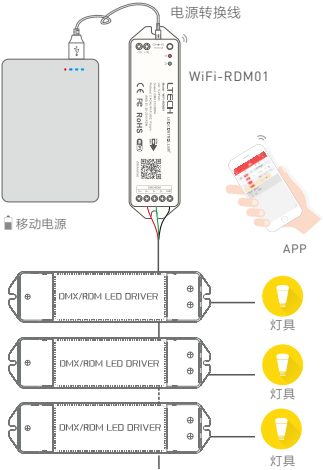


电源指示灯: 红灯常亮 (电源正常); 红灯闪烁 (电源异常)。

通信指示灯: 蓝灯慢闪 (初始化中), 蓝灯熄灭 (初始化完成), 蓝灯快闪 (数据传输)。

设置按键: 长按该键6秒, 则恢复出厂设置, (WiFi默认密码为led88888)。

使用示意



终端匹配电阻

可连接多台支持RDM功能的解码器

★可通过电源转换线使用移动电源或5-24V适配器给产品供电, DC+DC-插孔&DC 电源插孔可二选一;
信号线请使用标准的RS485双绞屏蔽通讯电缆。

1. 连接前

扫描下方二维码下载并安装APP；确保设备通电后，且通信指示灯在熄灭状态。则可以进行第二步操作连接WiFi。



扫一扫二维码下载并安装APP



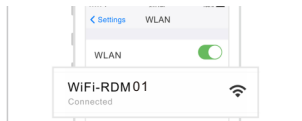
iOS / Android

2. 连接设备WiFi

将WiFi-RDM01与具备RDM协议的设备连接后，用手机连接该WiFi。

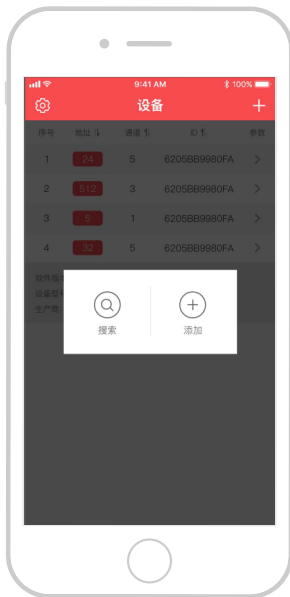
(默认WiFi名为**WiFi-RDM01**，密码**led88888**)

注：若手机无法搜索出“WiFi-RDM01”SSID，请重启电源后，按第一步确保通信指示灯在熄灭状态，再次连接。



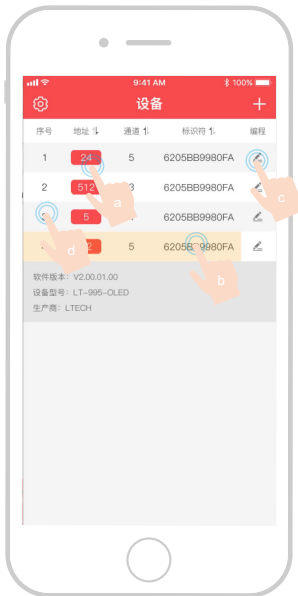
3. 搜索与添加设备

设置完成后来到以下操作界面；点击右上角“+”号弹出搜索和添加按钮；点击相应按钮进行搜索设备和添加设备。



4. 设备

设备搜索成功后就可进行编辑。

- a: 点击“地址”对应方框可编辑地址；
- b: 点击“标识符”出现产品信息；
- c: 点击编程按钮“

5. 参数编辑界面

进入参数界面，可设置频率、位数、曲线、模式、调光范围、屏保等参数。

(不同型号，参数不同，下图为例说明)



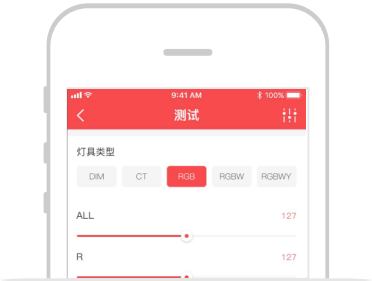
6. 地址设置

在首页左上角点击按钮，进入“更多”界面，再点击“DMX地址表”，进行单播/广播地址设置。



7. 测试和设备升级

在“更多”界面如点击“测试”，进入产品测试界面，可进行灯类型测试和单通道测试；如点击“升级”，进入产品升级界面，可进行WiFi-RDM01升级和与其相连接的DMX驱动设备升级。



支持WiFi-RDM01升级及DMX驱动升级。

注意事项

- 1、本产品请由具有专业资格的人员进行调试安装。
- 2、本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
- 3、良好的散热条件会延长LED控制器的使用寿命，请把产品安装在通风良好的环境。
- 4、请检查使用的电源电压是否符合产品电压范围要求。
- 5、通电调试前，应确保所有接线正确，以避免因接线错误而导致设备损坏。
- 6、如果发生故障，请勿私自维修；如有疑问，请联系供应商。

* 本说明书的内容如有变更，恕不另行通知。
若内容与您使用的功能有所不同，则以实物为准。
如有疑问，请与供应商联系。

www.ltech.cn

扫一扫关注雷特官网



www.ltech-led.com

LTECH