

LTECH

EX61 Knob Panel



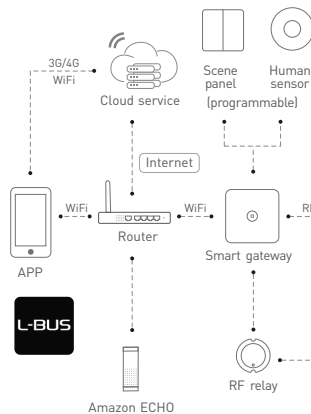
Manual

www.ltech-led.com

LTECH

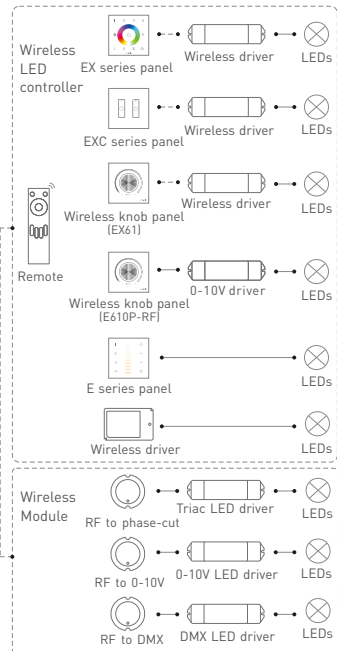
System diagram

L-BUS



--- Wireless connection
— Wired connection

EX61 Knob Panel



Product features

- Adopt wireless RF and wired DMX512 protocol 2 in 1 control mode, more flexible and convenient for project installation.
- Within effective range, any quantity of receivers can be connected and maintain synchronous effect.
- With the function of dimming and switching.
- The panel can be controlled by remote, or by mobile phone if add a gateway.

Technical specs

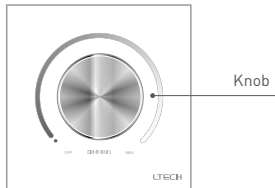
Model:	EX61	Working temp.:	-10°C~55°C
Name:	Dimming knob panel	Dimensions:	L86×W86×H50(mm)
Input voltage:	100~240Vac	Package size:	L106×W106×H60(mm)
Output signal:	RF 2.4GHz, DMX512	Weight(G.W.):	235g

FC CE RoHS

warranty
5 years

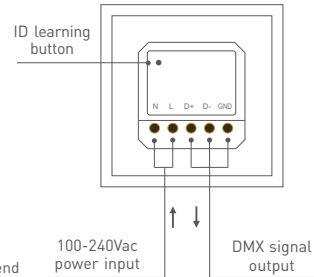


Key functions

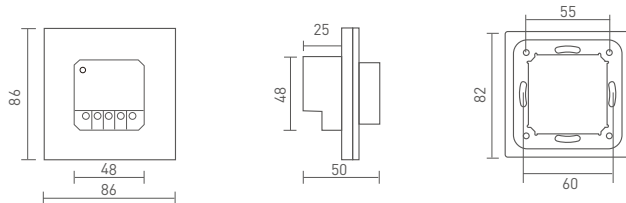


- * Clockwise, the brightness increases.
 - * Counterclockwise, the brightness decreases.
- Turn off the panel if you spin to the leftmost end (a click can be heard).

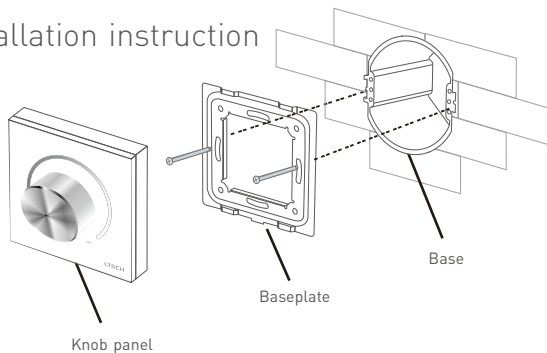
Terminals



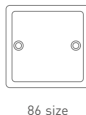
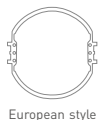
Product size Unit: mm



Installation instruction



Typical base as below:



Application composition

DMX512 signal output:

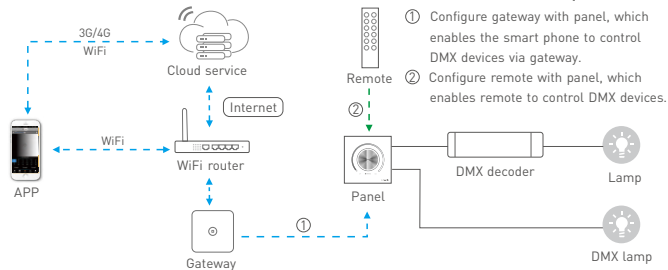
1. + +
Panel DMX driver Lamps
2. + + +
Remote Panel DMX driver Lamps
3. + + +
WiFi master controller Panel DMX driver Lamps
4. + + + +
WiFi master controller Remote Panel DMX driver Lamps

Wireless control:

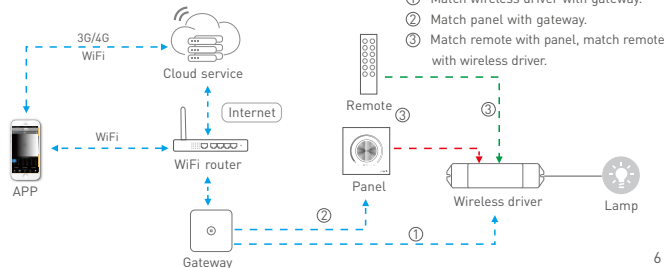
1. + +
Panel Wireless driver Lamps
2. + + +
Remote Panel Wireless driver Lamps
3. + + +
WiFi master controller Panel Wireless driver Lamps
4. + + + +
WiFi master controller Remote Panel Wireless driver Lamps

Match code sequence

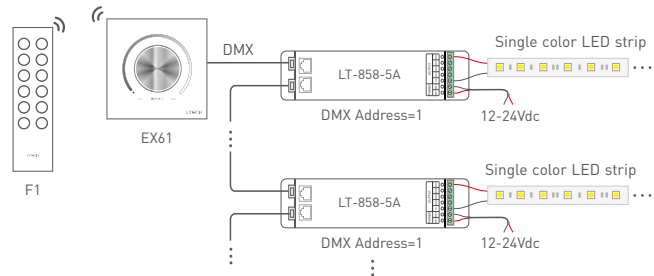
DMX system wiring



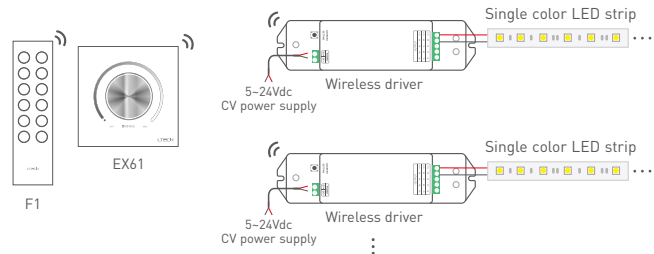
Wireless system wiring



DMX wiring



RF wireless wiring



Multiple receivers can be matched with EX61 within effective distance.

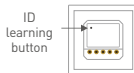
Match code between touch panel & driver

Method 1:

1. The driver power off.



2. Short press "ID learning button" on EX61, the lamps flicker.



3. The driver power on, the lamps flicker slowly, please complete step 4 in 15s.



4. Spin the knob on EX61, the lamps flicker quickly then back to normal, the buzzer long beep, match successfully.

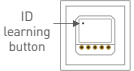


Method 2:

1. The driver power on.



2. Short press "ID learning button" on EX61, the lamps flicker.



3. Short press "ID learning button" on driver, the lamps flicker, please complete step 4 in 15s.

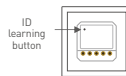


4. Spin the knob on EX61, the lamps flicker quickly then back to normal, the buzzer long beep, match successfully.



Match code between panel & remote

1. Short press "ID learning button" on EX61, the lamps flicker.



2. Hold down On/Off key on F1, or hold down the matching zone's On & Off key on F5 simultaneously, if the lamp flicker quickly then back to normal, match successfully.



- * Exit match status automatically if over 10 seconds.
- * One knob panel can be matched with max 10 remotes.
- * If knob panel and receiver need to be controlled by remote simultaneously, then match the remote with panel and receiver respectively.

Match code between panel & gateway

1. Turn on APP, enter "zone set" interface.

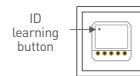


2. Click the right top "MATCH" key, then follow the prompts.



Clear code

Long press "ID learning button" on EX61 for 10s until the lamps flicker 5 times, clear code successfully.



- * No further notice if any changes in the manual.
- Product function depends on the goods.
- Please feel free to contact our official distributor if any question.

LTECH

EX61 旋钮面板



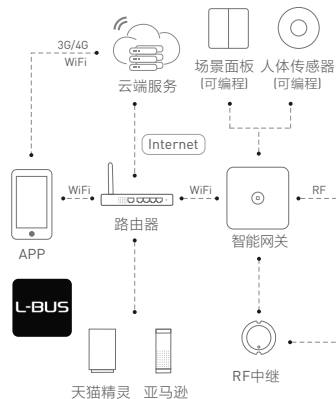
使用说明书

www.ltech.cn

LTECH

系统图

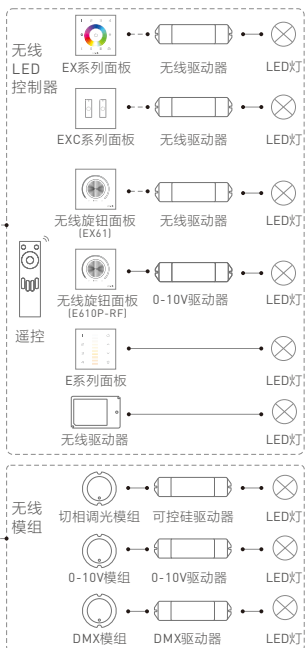
L-BUS



—— 有线连接

- - - 无线连接

EX61 旋钮面板



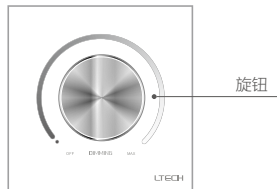
产品特征

- 采用无线RF与有线DMX512协议二合一控制方式，工程应用更灵活方便。
- 在有效距离内，可以连接任意台接收器，并保持效果同步。
- 具有调光及开关两项功能。
- 面板可用遥控控制，增加网关可用手机控制。

技术参数

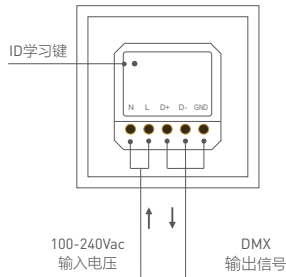
产品型号:	EX61	工作温度:	-10°C~55°C
产品名称:	旋钮面板	产品尺寸:	L86×W86×H50(mm)
输入电压:	100-240Vac	包装尺寸:	L106×W106×H60(mm)
输出信号:	RF 2.4GHz, DMX512	产品重量:	235g

面板说明

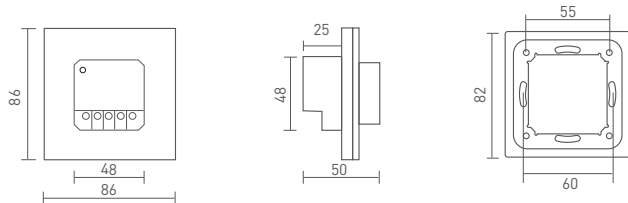


- * 顺时针转动，亮度增加。
- * 逆时针转动，亮度减少，
逆时针旋到底时，调光器关闭 (可听到咔嚓声)。

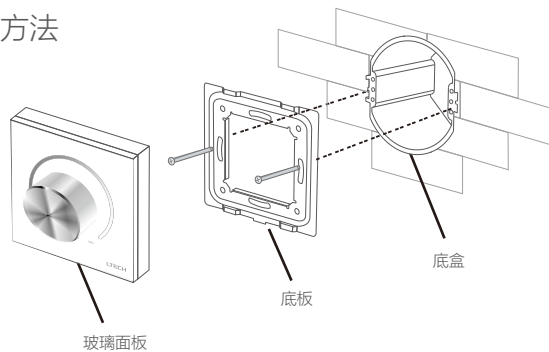
接线端子



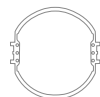
产品尺寸 单位：mm



拆装方法



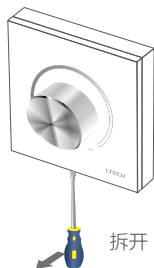
典型底盒如下



欧式



86盒



应用组合

DMX512控制:

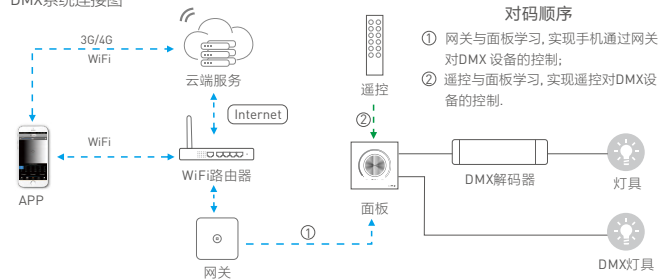
- 1、 + +
旋钮面板 DMX驱动器 灯具
- 2、 + + +
遥控 旋钮面板 DMX驱动器 灯具
- 3、 + + +
WiFi主控 旋钮面板 DMX驱动器 灯具
- 4、 + + + +
WiFi主控 遥控 旋钮面板 DMX驱动器 灯具

无线控制:

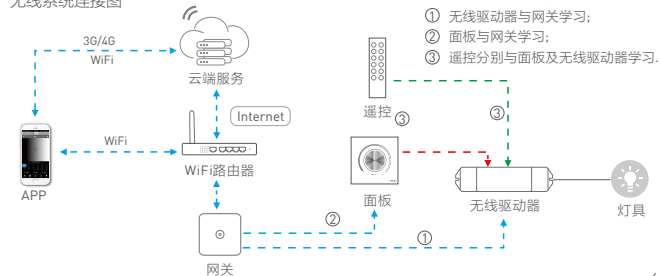
- 1、 + +
旋钮面板 无线驱动器 灯具
- 2、 + + +
遥控 旋钮面板 无线驱动器 灯具
- 3、 + + +
WiFi主控 旋钮面板 无线驱动器 灯具
- 4、 + + + +
WiFi主控 遥控 旋钮面板 无线驱动器 灯具

对码顺序

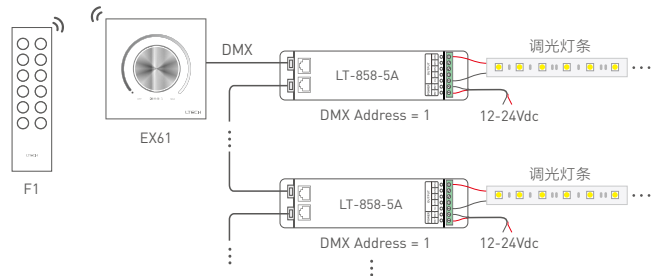
DMX系统连接图



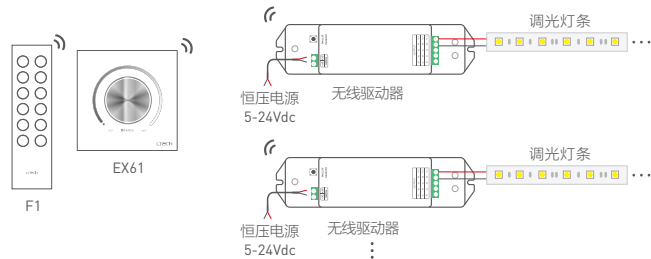
无线系统连接图



DMX输出连接



RF无线连接



EX61在无线的有效范围内, 可配对任意数量的无线驱动器。

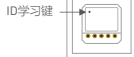
面板与无线驱动器的对码方法

方法一：

1. 无线驱动器断电。



2. 短按EX61的ID学习键，负载灯闪烁。



3. 无线驱动器上电，此时负载灯慢闪，请在15秒内完成后续操作。



4. 旋转EX61面板上的旋钮，无线驱动器的负载灯快闪后恢复正常，蜂鸣器长响一声，学习成功。

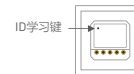


方法二：

1. 无线驱动器通电状态下。



2. 短按EX61的ID学习键，负载灯闪烁。



3. 短按无线驱动器的ID学习键，负载灯慢闪，请在15秒内完成后续操作。

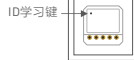


4. 旋转EX61面板上的旋钮，无线驱动器的负载灯快闪后恢复正常，蜂鸣器长响一声，学习成功。



面板与遥控的配对方法

1. 短按面板底壳ID学习键，负载灯闪烁。



2. 按下F1开关键不松手 (或同时按下F5所需分区ON、OFF键不松手)，面板负载灯快闪后恢复常亮，表示学习成功。



- * 超过15秒自动退出学习状态。
- * 每个面板最多可学习10个遥控。
- * 如果遥控器想同时控制面板与无线驱动器，则遥控器需分别与面板、无线驱动器学习。

面板与网关学习

1. 打开APP，进入“zone”操作界面。

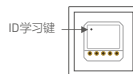


2. 点击右上角的“Match”键，按照APP上的提示进行学习。



面板清码

长按旋钮面板上的ID学习键10秒，直到负载灯闪烁5次，清码成功。



- * 本说明的内容如有变更，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，欢迎向我司授权的经销商咨询。