LTECH

0-10V Tunable White LED Dimmer
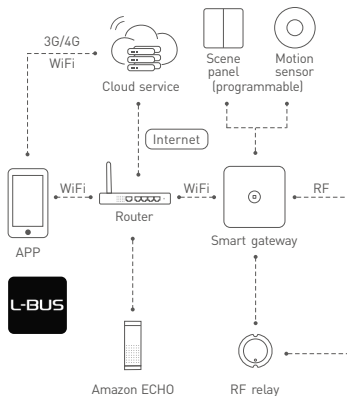
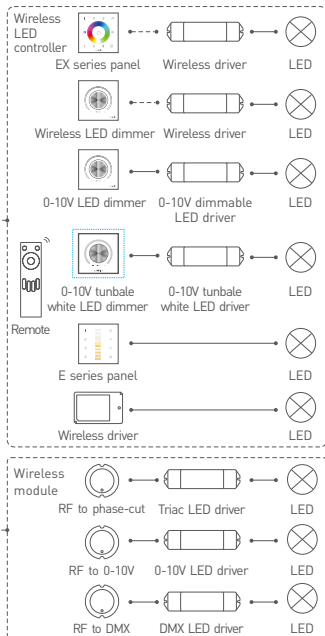E610P-CT

Manual

System Diagram

L-BUS

3G/4G
WiFi

Cloud service

Scene panel (programmable)

Motion sensor

Internet

WiFi — Router — WiFi — Smart gateway — RF

APP

L-BUS

Amazon ECHO

RF relay

Wireless LED controller

EX series panel — Wireless driver — LED

Wireless LED dimmer — Wireless driver — LED

0-10V LED dimmer — 0-10V dimmable LED driver — LED

Remote
0-10V tunbale white LED dimmer — 0-10V tunbale white LED driver — LED

E series panel — LED

Wireless driver — LED

Wireless module

RF to phase-cut — Triac LED driver — LED

RF to 0-10V — 0-10V LED driver — LED

RF to DMX — DMX LED driver — LED

———— Wired connection

- - - - - Wireless connection

Product Features

- Powered by 100-240Vac, no external power needed.
- Switch on/off, adjust brightness and color temperature.
- Work with 0-10V tunable white LED drivers. Dimming does not change CT, and CT adjustment does not affect brightness.
- Stepless adjustment knob, 0.1-100% dimming range.
- Soft start function enhances your visual comfort.
- Work with F series, Q series remotes to gain easy control of lighting.
- Work with the L-BUS gateway (WiFi-108) to remotely control lighting and scenes with the APP.
- Installed into a 86 type or European style junction box.
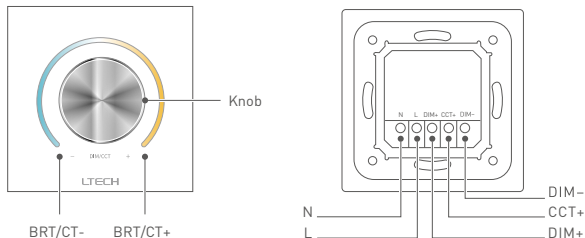
Technical Specs

E610P-CT   0-10V Tunable White LED Dimmer

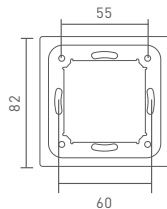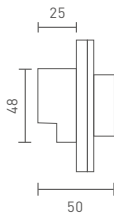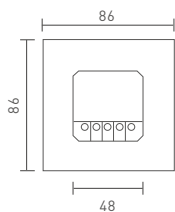|			
Input:	100-240Vac, 50-60Hz	Working Temp.:	-10°C~55°C
Communication Mode:	RF 2.4GHz	Dimensions (L×W×H):	86×86×50mm
Output:	0-10V×2CH, 15mA×2CH	Package Size (L×W×H):	105×105×63mm
Anti Surge:	≤50A/0.1S	Weight (G.W):	220g

CE FC RoHS

Function Description

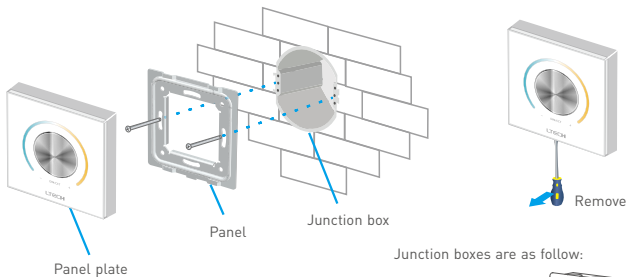| Name	Function	Description
Knob	Single click	Switch on/off
	Double click	Switch DIM/CT mode
	Clockwise rotation	Brightness increases/color temperature gets warmer. When the BRT/CT is adjusted to the maximum level, a buzzer sound is produced
	Counterclockwise rotation	Brightness decreases/color temperature gets cooler. When the BRT/CT is adjusted to the minimum level, a buzzer sound is produced
	Long press	When the lamp is off, press and hold the knob for 5s to turn sound (buzzer) on/off
Panel plate	Indicator light	Switch to DIM mode: the indicator light is white and stays on Switch to CT mode: the indicator light is yellow and stays on

Product Size

Unit: mm

86

86

48

25

48

50

55

82

60

Wiring Diagram

N

L

N

L

0-10V tunable
white LED driver

LED-W
LED-C
LED+
DIM-
CCT+
DIM+

• • •

DIM−
CCT+
DIM+

100-240Vac power input port

0-10V signal output port
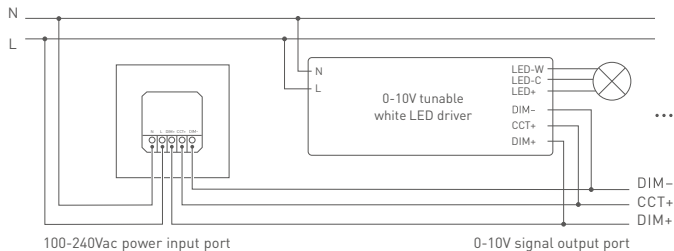
Installation Instructions

Panel plate

Panel

Junction box

Remove

Junction boxes are as follow:

European style

86 type

Applications

E610P-CT + LED driver — LED strip

WiFi gateway + Remote + E610P-CT + LED driver — LED strip

Remote + E610P-CT + LED driver — LED strip

WiFi gateway + E610P-CT + LED driver — LED strip

RF Wireless Wiring

Single Zone Control

| Single zone remote | E610P-CT | 0-10V Tunable white LED driver | LED strip |

Multiple Zone Control

| E610P-CT | 0-10V Tunable white LED driver | LED strip Zone 1 | E610P-CT | 0-10V Tunable white LED driver | LED strip Zone 2 |

| 4 zone remote | E610P-CT | 0-10V Tunable white LED driver | LED strip Zone 3 | E610P-CT | 0-10V Tunable white LED driver | LED strip Zone 4 |
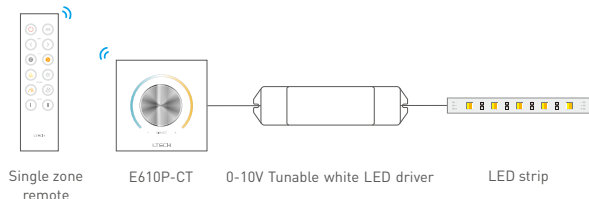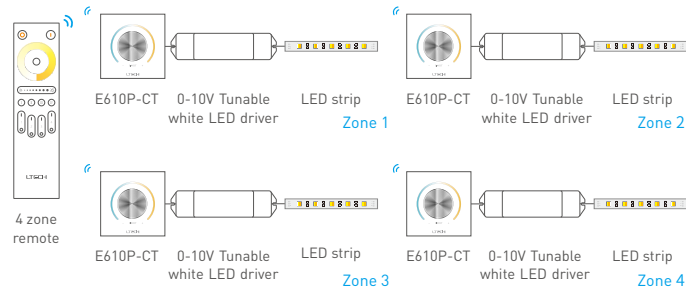
✳ Dimmers can be controlled synchronously by multiple remotes, please refer to the remote manuals for detailed instructions.

Pair Dimmer with Remote

When the lamp is on, press and hold the knob for 5s until the yellow indicator light flashes. Then long press the ON/OFF button or the zone button of the remote until the indicator light of the dimmer stops flashing and the buzzer makes a beep, meaning the dimmer is paired successfully with the remote.

knob
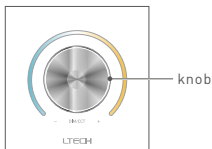
Pair with F Series Remote

Single zone remote: long press the ON/OFF button of the remote. When the indicator light stops flashing, the dimmer is paired successfully with the remote.

Multi-zone remote: long press both the ON and OFF button of the zone that needs to be paired. When the indicator light stops flashing, the dimmer is paired successfully with the remote.

Pair with Q Series Remote

Long press the ON button of the zone that needs to be paired. When the indicator light stops flashing, the dimmer is paired successfully with the remote.

F2 (Single-zone)
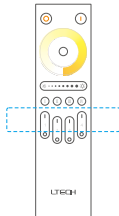
F6 (Multi-zone)

Q2 (Multi-zone)

Pair Dimmer with Gateway

1. When the lamp is on, press and hold the knob for 5s until the yellow indicator light flashes and the buzzer makes a beep, meaning it's ready to pair with the gateway.
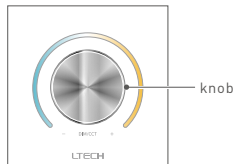
2. Turn on L-BUS APP and access the "Zone Settings" interface. Then click "Match" in the top right corner and follow the APP instructions to operate.
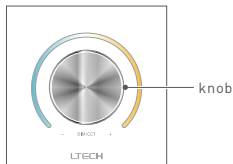

knob

L-BUS APP

Remove Paired Dimmer from Devices

When the lamp is on, press and hold the knob for 10s until the indicator light flashes between two colors. When the buzzer makes a long beep, it means the paired dimmer is removed successfully from the devices.

knob

Attentions

- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.
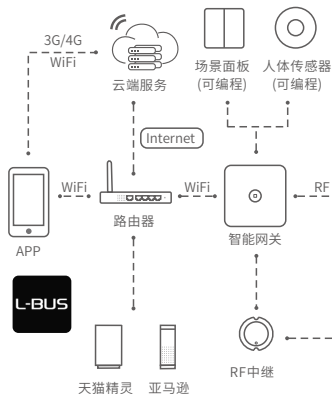
LTECH
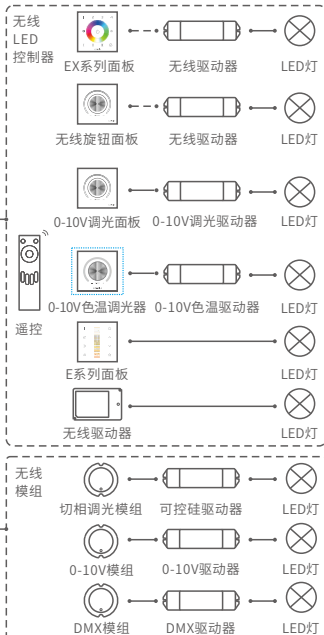
0-10V 色温LED调光器

E610P-CT

使 用 说 明 书

www.ltech.cn

系统图

L-BUS

产品特征

- 100-240Vac宽电压供电，无需额外电源;
- 具有开关、亮度及色温调节功能;
- 搭配0-10V双色温驱动，调光不改变色温，调色温不改变亮度;
- 无级调节旋钮，调光范围 0.1-100%;
- 带软启动渐亮功能，让人眼视觉更舒服;
- 可搭配F系列，Q系列遥控器,控制简易便捷;
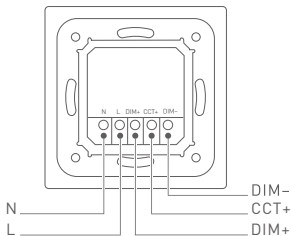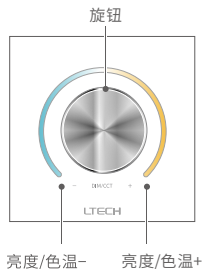- 可搭配L-BUS WiFi-108网关，实现APP远程、智能化、场景化控制;
- 可安装标准86和欧式接线底盒。

技术参数

E610P-CT   0-10V色温LED调光器

输入:	100-240Vac，50-60Hz	工作温度:	-10°C~55°C
通讯方式:	RF 2.4GHz	产品尺寸:	86×86×50mm(L×W×H)
输出:	0-10V×2CH，15mA×2CH	包装尺寸:	105×105×63mm(L×W×H)
抗浪涌:	≤50A/0.1S	重量(毛重):	220g

CE   FC   RoHS

产品功能

旋钮

亮度/色温−   亮度/色温+

N
L
DIM−
CCT+
DIM+

类型	功能	描述
旋钮	单击	开/关灯
	双击	切换调光/色温模式
	顺时针旋转	亮度递增/色温渐暖；当亮度/色值调到最大值时，蜂鸣器 "嘀" 声响起
	逆时针旋转	亮度递减/色温渐冷；当亮度/色值调到最小值时，蜂鸣器 "嘀" 声响起
	长按	关灯状态下，长按5秒可开/关蜂鸣器声音
面板	指示灯	切换到调光模式：指示灯呈白色并常亮 切换到色温模式：指示灯呈黄色并常亮

产品尺寸

单位:mm

连接图

100-240Vac电源输入端口

0-10V信号输出端口

N
L

LED-W
LED-C
LED+
0-10V色温驱动器
DIM-
CCT+
DIM+

DIM−
CCT+
DIM+

安装方式

玻璃面板

底板

底盒

拆开

适用底盒如下:
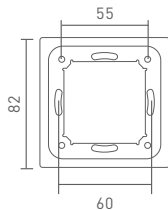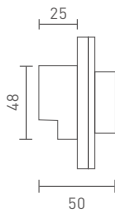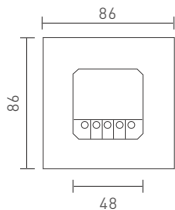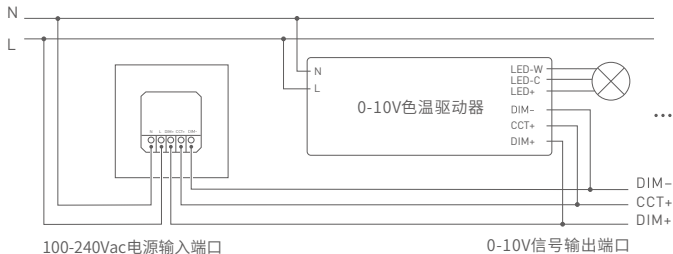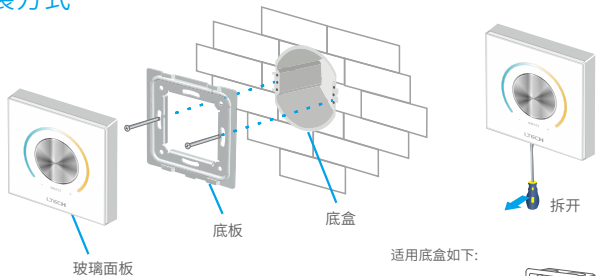
欧式

86盒

应用组合
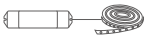
E610P-CT + LED驱动器 灯具

WiFi主控 + E610P-CT + LED驱动器 灯具

遥控 + E610P-CT + LED驱动器 灯具

WiFi主控 + 遥控 + E610P-CT + LED驱动器 灯具

RF无线连接图

单区控制

单区遥控	E610P-CT	0-10V色温驱动器	灯条

多区控制

4分区控遥	E610P-CT	0-10V 色温驱动器	灯条	1区

E610P-CT　0-10V
色温驱动器　灯条　2区

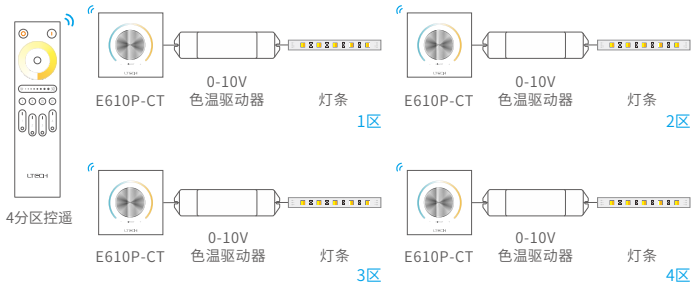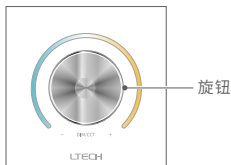E610P-CT　0-10V
色温驱动器　灯条　3区

E610P-CT　0-10V
色温驱动器　灯条　4区
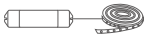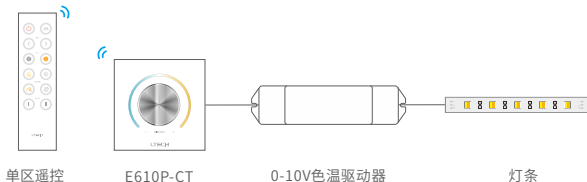
＊ 可使用多个遥控同时控制调光器，遥控的使用方法请参看说明书。

调光器与遥控对码

在开灯状态下，长按旋钮5秒，直至黄色指示灯闪烁，此时长按遥控器的开/关键或长按分区键
直至调光器指示灯停止闪烁且蜂鸣器 "嘀" 声响起，即配对成功。

旋钮

对码F系列遥控

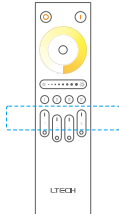单区遥控：长按遥控器上开关键，调光器
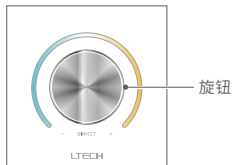指示灯停止闪烁，对码成功。
多区遥控：同时按下所需分区ON、OFF键，
调光器指示灯停止闪烁，对码成功。

对码Q系列遥控

长按遥控器上需对码分区的开键，直至调光
器指示灯停止闪烁，对码成功。

F2（单区）　　F6（多区）

Q2（多区）

调光器与网关对码

1. 在开灯状态下，长按旋钮5秒，直至黄色指示灯闪烁且蜂鸣器 "嘀" 声响起，即可配对。

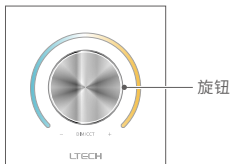2. 打开L-BUS APP，进入分区设置界面，点击右上角 "Match" 按键，按照APP指引进行操作。

旋钮

L-BUS APP

调光器清码

在开灯状态下，长按旋钮10秒，直至调光器指示灯双色交替闪烁，当指示灯停止闪烁且蜂鸣器长 "嘀" 一声，即表示清码成功。

旋钮

注意事项

- 本产品请由具有专业资格的人员进行调试安装；
- 本产品(专有型号除外)不能防水，需避免日晒雨淋。如安装在户外，请使用防水箱；
- 良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境；
- 请检查合适的工作电压是否符合产品的参数要求；
- 通电调试前，确保所有接线正确且牢固，以免短路损坏部件，触发事故；
- 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：
属下列情况不在免费保修或更换服务范围之内：

- 已经超出保修服务期；
- 过高电压、超负载、操作不当等人为造成的损坏；
- 产品外形严重损坏或变形；
- 自然灾害以及人力不可抗拒原因造成的损坏；
- 产品保修标签和产品唯一条形码损坏；
- 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任，除非在适用法律范围之内。
2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。