LTECH

0-10V Tunable White LED Dimmer
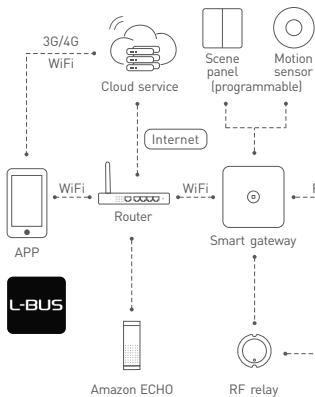
E610P-CT

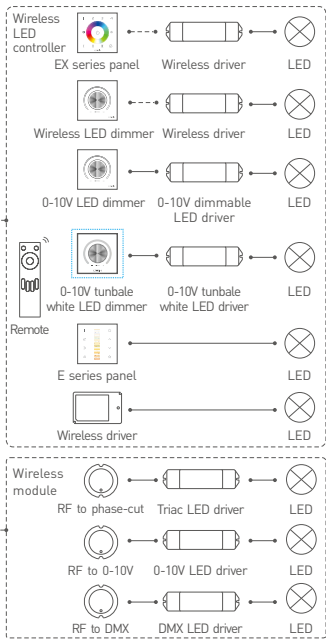## Manual

System Diagram

L-BUS

3G/4G
WiFi

Cloud service

Scene panel (programmable)

Motion sensor

Internet

WiFi — Router — WiFi

APP

L-BUS

Amazon ECHO

Smart gateway

RF

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.
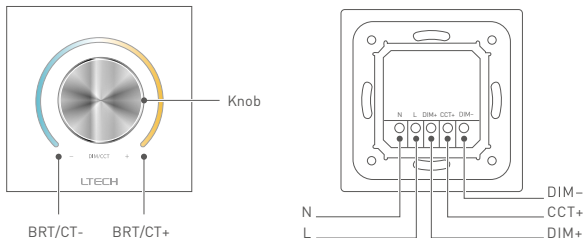
Technical Specs

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

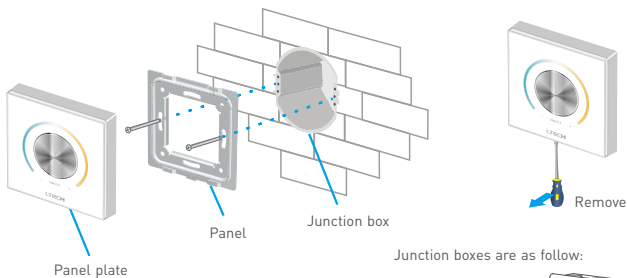| Name	Function	Description
Knob	Single click	Switch on/off
	Double click	Switch DIM/CT mode
	Clockwise rotation	Brightness increases/color temperature gets warmer. When the BRT/CT is adjusted to the maximum level, a buzzer sound is produced
	Counterclockwise rotation	Brightness decreases/color temperature 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

Wiring Diagram

100-240Vac power input port

0-10V signal output port

N
L

N
L

0-10V tunable
white LED driver

LED-W
LED-C
LED+
DIM-
CCT+
DIM+
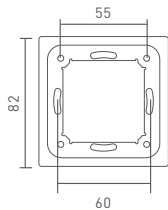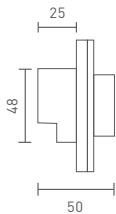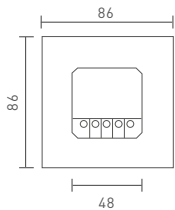
DIM-
CCT+
DIM+
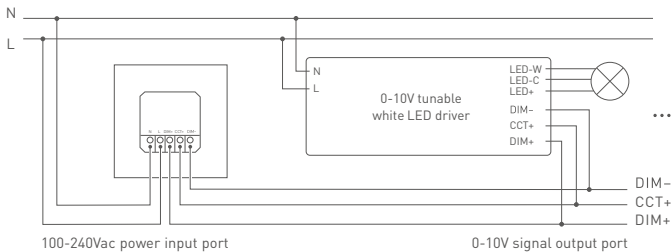
Installation Instructions

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 |
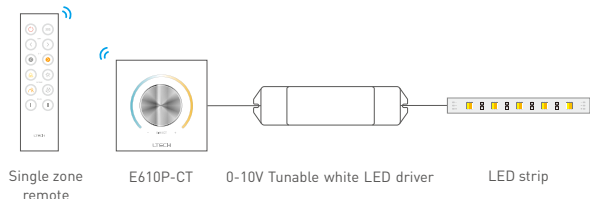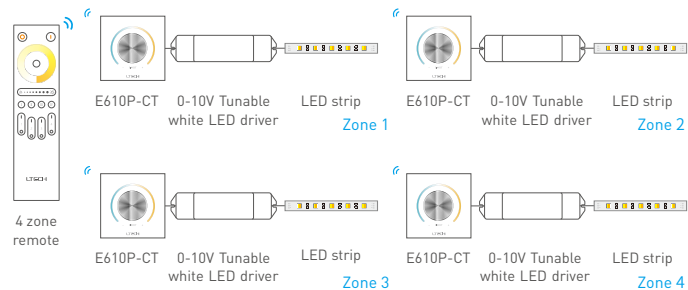
＊ Dimmers can be controlled synchronously by multiple remotes, please refer to the remote manuals for detailed instructions.

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
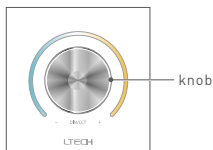
Pair with F Series Remote

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.
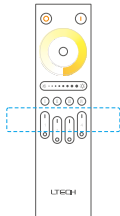
Pair with Q Series Remote

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.
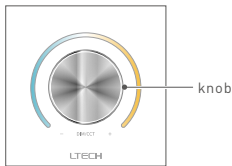
2. Turn on L-BUS APP and access the "Zone Settings" interface. Then click "Match" in the top right corner and follow the APP instructions to operate.
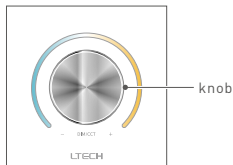

knob

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.