E Series Touch Panel

E1 (Dim)
E2 (CT)
E4 (RGBW)
E4S (RGBW)
E5S (RGBWY)
Qseries remote
Fseries remote
Mobile app

Manual
www.ltech-led.com
Product Features

- 2 in 1 function: RF wireless control and PWM power output.
- Power output, lamps can be connected directly, easy and convenient.
- Touch keys with chord and LED indicator.
- Adopt capacitive touch control technology on the full color circle that makes LED dimming selection more user-friendly.
- Touch panel can be controlled by remote directly or smart phone if adding a gateway.

Technical Specs

<table>
<thead>
<tr>
<th>Model</th>
<th>E1</th>
<th>E2</th>
<th>E4 / E4S</th>
<th>E5S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Type</td>
<td>Dimming</td>
<td>CT</td>
<td>RGBW</td>
<td>RGBWY</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>12-24Vdc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wireless Frequency</td>
<td>RF 2.4GHz</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Load</td>
<td>4A×2CH Max. 8A</td>
<td>Max. 4A</td>
<td>3A×4CH Max. 12A</td>
<td>3A×5CH Max. 15A</td>
</tr>
<tr>
<td>Output Power</td>
<td>(0~48W...96W)×2CH Max. 192W</td>
<td>0~48...96W</td>
<td>(0~36W...72W)×4CH Max. 288W</td>
<td>(0~36W...72W)×5CH Max. 360W</td>
</tr>
<tr>
<td>Working Temp.</td>
<td>-20℃~55℃</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>L86×W86×H36(mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Package Size</td>
<td>L113×W112×H50(mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight(G.W.)</td>
<td>235g</td>
<td>231g</td>
<td>221g</td>
<td>221g</td>
</tr>
</tbody>
</table>

* Product with **L-BUS Advance Mode** logo, supports the function of WIFI-108 advanced mode.
Installation Instructions

Touch panel

Baseplate

Junction box

Typical junction boxes are as follows:

- European style
- 86 type

Remove
Product Size

Unit: mm

E1 / E2

E4 / E4S / E5S
Key Functions

When blue indicator light of key is on, long press to turn on/off buzzer.
When white indicator light of key is on, long press to match code.
E series touch panel’s scene-mode keys are corresponding with WiFi gateway APP’s scene-mode, the scenes of panel can be changed by APP or panel.
E4S Mode

- Static red
- Static cyan
- 7 color gradient
- Static green
- Static white
- Static black
- Static blue
- RGB jumping
- 7 color jumping
- Static yellow
- Close RGB only
- Static purple
- RGB gradient
Scene-mode
Short press: play
Long press: save

Mode
- Red green jumping
- Green blue jumping
- Red blue jumping
- RGB jumping
- 7 color jumping

- Red green gradient
- Green blue gradient
- Red blue gradient
- RGB gradient
- 7 color gradient

Speed

ON/OFF
Press: on/off
Long press: brightness

CT brightness
Press: on/off
Long press: brightness

RGB brightness
Press: on/off
Long press: adjust

CT touch slider

Touch color circle

E5S
System Diagram

PS: No WiFi router is needed when gateway work with phones directly.

Applications

1. E series touch panel + Lamps
2. E series touch panel + Remote + Lamps
3. E series touch panel + WiFi master controller + Lamps
4. E series touch panel + WiFi master controller + Remote + Lamps
RF Wireless Wiring

Single Zone Control

![Single zone remote]

![E series touch panel]

![LED strip]

Multiple Zone Control

![4 zone remote]

![E series touch panel]

![LED strip]

![Zone 1]

![Zone 2]

![Zone 3]

![Zone 4]

* Touch panels can be sync controlled by multi remotes, please refer to the manual of remote’s usage.
Terminals

12-24Vdc Power Input

LED Lamps Connection

E1

12-24Vdc Power Input

LED Lamps Connection

E2

12-24Vdc Power Input

LED Lamps Connection

E4/E4S

12-24Vdc Power Input

LED Lamps Connection

E5S
Wiring Diagram

E1: Connect with 12V strip. Max 48W/CH

Connect with 24V strip. Max 96W/CH

E2: Connect with 12V strip. Max 48W for two routes.

Connect with 24V strip. Max 96W for two routes.
E4/E4S: Connect with 12V strip. Max 36W/CH
Connect with 24V strip. Max 72W/CH

E5S: Connect with 12V strip, RGB Max. 108W, CT Max. 36W
Connect with 24V strip, RGB Max. 216W, CT Max. 72W
Match Code between Touch Panel & Remote

Please match/clear code when panel indicator light of On/Off is white.

1. Long press ⇫ on touch panel until indicator lights flash.

2. Match code with F series remote:
   Single zone remote: long press ON/OFF key on remote, the indicator light stops flashing, match code successfully.
   Multi-zone remote: long press the matching zone’s ON & OFF keys simultaneously, the indicator light stops flashing, match code successfully.

E1 touch panel match with F1/F5 remote, E2 match with F2/F6, E4/E4S match with F4/F8.

Match code with Q series remote: long press the matching zone’s “ON” key on remote, the indicator lights of touch panel stop flicking, match successfully.

E5S touch panel match with Q5 remote.
Match Code between Touch Panel & Gateway

Please match/clear code when panel indicator light of On/Off is white.

1. Long press on touch panel until indicator lights flash.

2. Turn on APP, enter “zone set” interface, click the right top “MATCH” key, then operate the following prompts.

Clear Code

Please match/clear code when panel indicator light of On/Off is white.

Press the bottom two keys on touch panel simultaneously for 6 seconds, the indicator light flashes several times, clear code successfully.
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.