LTECH

E Series Touch Panel

E4
(RGBW)

E4S
(RGBW)

Manual
www.ltech-led.com

LT-BUS®

Wireless remote

Touch panel
E4/E4S

Direct connect

Mobile phone

WiFi gateway

Router

RF relay

Wireless driver — RF

Wireless driver — RF

DMX driver — DMX512

12-24Vdc

RF to DMX — DMX512   DMX LED driver

RF to 10VPWM — 10VPWM   0-10V LED driver

RF to triac — ELV   Triac LED driver

- - - Wireless connection
——— Wired connection
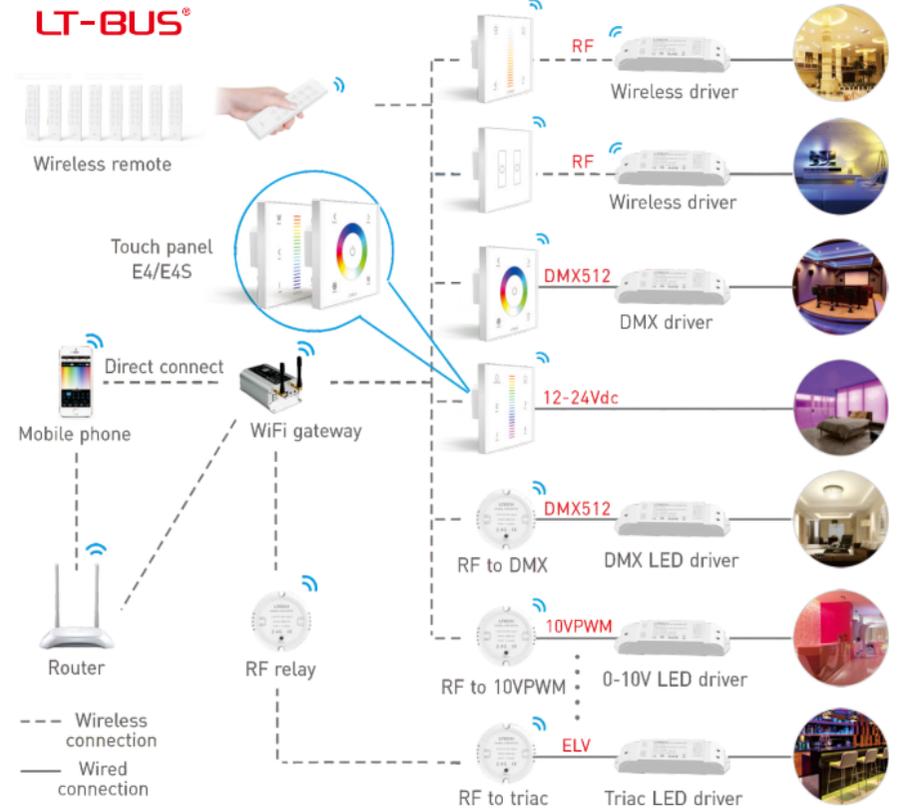
Product Features

- 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.
- Adopts capacitive touch control technology on the full color panel, makes LED color selection more user-friendly.
- Touch panel can be controlled by remote directly or smart phone if add a gateway.

Technical Specs

Input Voltage:	12-24Vdc		Working Temp.:	-20℃~55℃
Wireless Frequency:	RF 2.4GHz		Dimensions:	L86×W86×H36(mm)
Current Load:	3A×4CH Max. 12A		Package Size:	L113×W112×H50(mm)
Output Power:	(0~36W...72W)×4CH Max. 288W		Weight(G.W.):	225g

Unit: mm

FC CE RoHS warranty 5 years ISO9001:2008
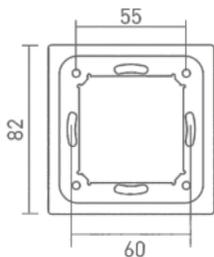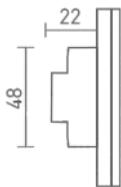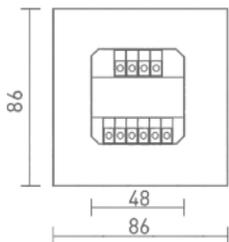
Installation Instruction

Touch panel

Baseplate

Base

Uninstall
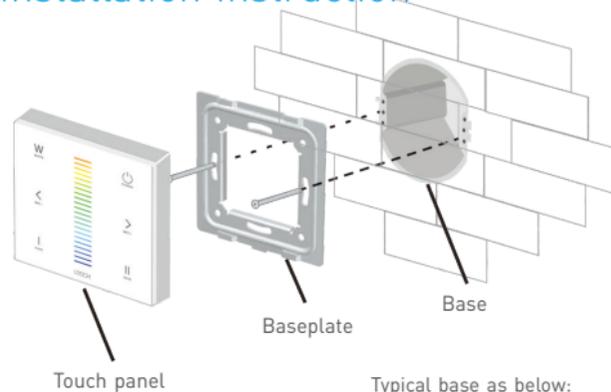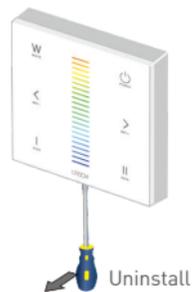
Typical base as below:

European style
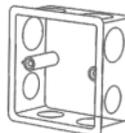
86 size

Terminals:

12-24Vdc Power Input

V+ V+ V- V-
V+ V+ R G B W

LED Lamps Connection

Key Functions:

Touch Slider

W White Key
Press: on/off
Long press: brightness

⏻ ON/OFF

‹ Brightness-

› Brightness+

I Scene-mode
Short press: play
Long press: save

II Scene-mode
Short press: play
Long press: save

E4
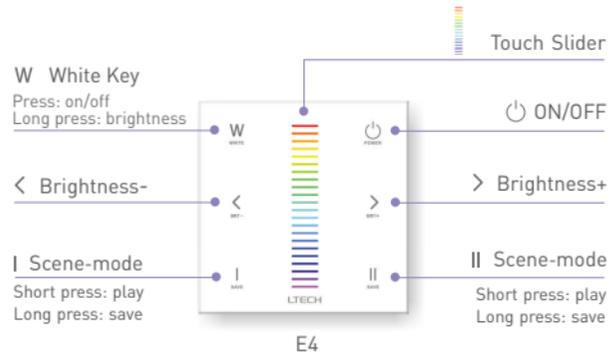
E4 panel's 2 scene-mode keys are corresponding with WiFi-106 gateway APP's 1 & 2 scene-mode key, the scenes can be changed by APP or panel.

‹ Brightness-
Speed-

› Brightness+
Speed+

⏻ ON/OFF

Touch Color Circle

Mode

W White Key
Press: on/off
Long press: brightness

E4S

Mode
1. Static red
2. Static green
3. Static blue
4. Static yellow
5. Static purple
6. Static cyan
7. Static white
8. RGB jumping
9. 7 Colors jumping
10. RGB color smooth
11. Full-color smooth
12. Static blue
    (only close RGB)

＊ When blue status light of ⏻ key is on, long press ⏻ to turn on/off buzzer.
When white status light of ⏻ key is on, long press ⏻ to match code.

Match Code Sequence

APP

Remote

WiFi router

Touch panel E4/E4S
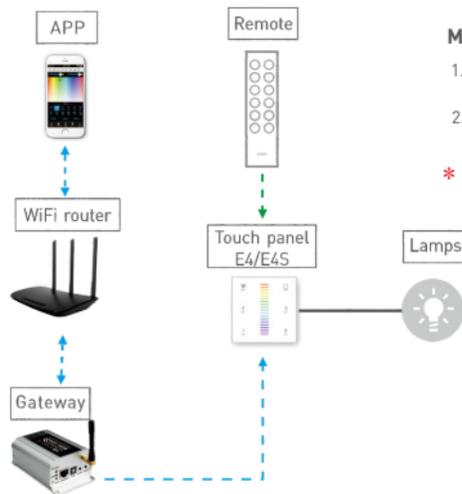
Lamps

Gateway

Match code sequence

1. Configure gateway with touch panel, which enables the smart phone to control lamps via gateway.
2. Configure remote with touch panel, which enables remote to control lamps.

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

Application Composition

1.
E4/E4S + Lamps

2.
E4/E4S + Remote + Lamps

3.
E4/E4S + WiFi master controller + Lamps

4.
E4/E4S + WiFi master controller + Remote + Lamps

Wiring Diagram

Connect with 12V strip, Max. 144W.
Connect with 24V strip, Max. 288W.

220V/110Vac

RGBW LED Strip

Power supply

24Vdc

RF wireless wiring

Single zone control

Single zone remote F4

E4/E4S

RGBW Strip

Multiple zones control

4 zones remote F8

RGBW Strip — Zone 1

RGBW Strip — Zone 2

RGBW Strip — Zone 3

RGBW Strip — Zone 4

E4/E4S

✱ Touch panels can be sync controlled by multi remotes, please refer to the manual of remote's usage.
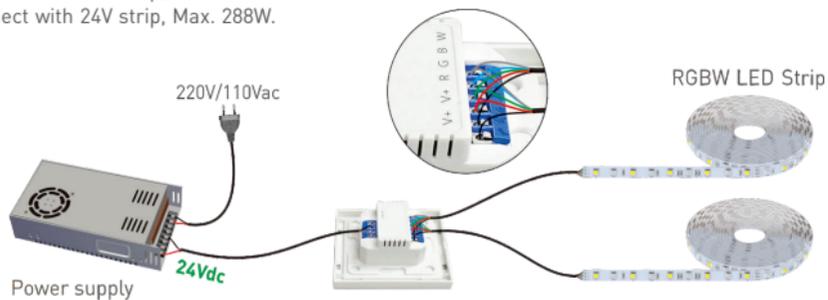
Match Code between Touch Panel & Remote

1.

Long press ⏻ on touch panel until all status lights flicker.
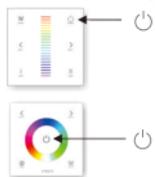
2.

Press any key on F4 remote (or the matching zone key on F8), the status light stop flicking, match successfully.

F4   F8
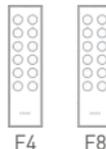
Match code between touch panel & gateway

1.

Long press ⏻ on touch panel until all status lights flicker.
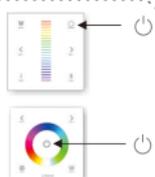
2.

Click the corresponding RGBW zone on mobile phone, then touch the color screen, match successfully.

Color screen

Clear code:

Press the bottom two key on touch panel simultaneously for 5 seconds, the status light flicker several times, clear code successfully.

✱ Please match/clear code when panel is on (white status light of ⏻ key is on).