



General

Product Type	Constant Voltage Driver, Controller,
Length (mm)	86
Width (mm)	86
Height (mm)	36
Housing Color	White
Housing Material	PC
Mounting	Built-in
Weight (g)	225

Electronics

Input Domain	DC
Input Voltage	12 ~ 24V DC
Output Voltage	12 ~ 24 V DC
Output Current (mA) max/output	4000
Output Current Max. (A)	4
Output Power (W)	192W @ 24V, 96W @ 12V
Power Supply	N/A

Lighting

Color Range	Tunable White
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Control

Output Signal	PWM-CV
Control	Radio Frequency
Zones	1
Number of Channels	2
Functions	programmable

Environmental

Operating Temperature	-20 ~ +55 °C
Ingress Protection	IP20

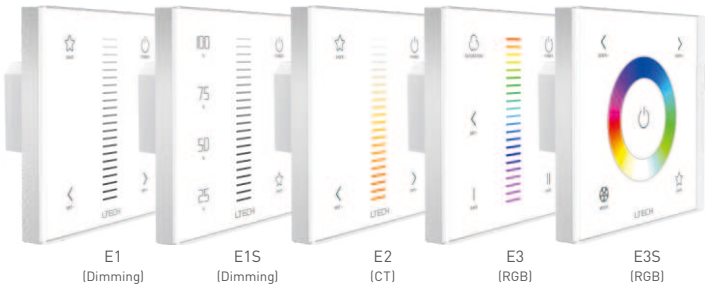
CE IP20

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



E Series Touch Panel



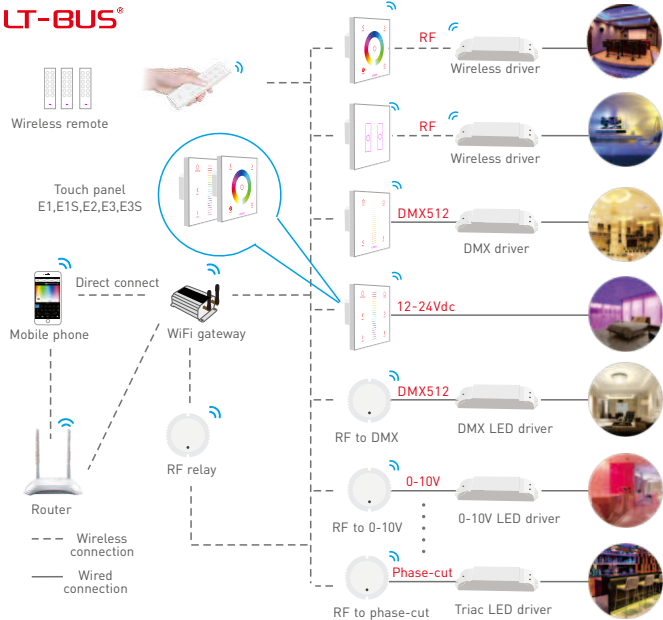
Manual
www.ltech-led.com

Product features

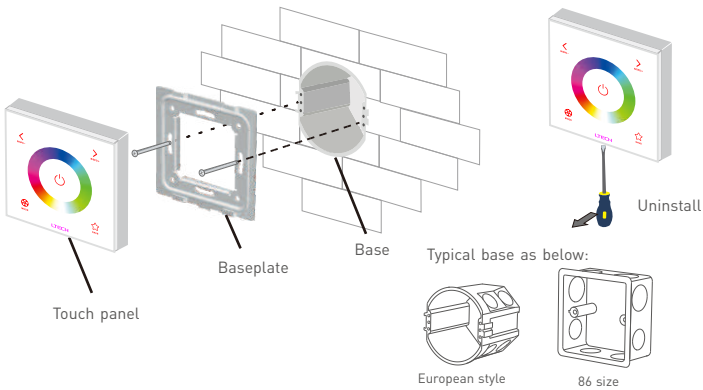
- 2 in 1 function: RF wireless control and PWM power output.
- Power output, lamps can be connected directly, easy and convenient.
- Touch keys with chord and LED indicator.
- Adopts capacitive touch control technology on the full color circle makes LED dimming selection more user-friendly.
- Touch panel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

Technical specs

Model	E1	E1S	E2	E3	E3S
Control type	Dimming	Dimming	CT	RGB	RGB
Input voltage	12-24Vdc				
Wireless frequency	RF 2.4GHz				
Current load	4A×2CH Max. 8A		Max. 4A	4A×3CH Max. 12A	
Output power	[0~48W...96W] ×2CH Max. 192W		0~48W...96W	[0~48W...96W]×3CH Max. 288W	
Protection	Short circuit / Over current protection, recover automatically.				
Working temp.	-20°C~55°C				
Dimensions	L86×W86×H36[mm]				
Package size	L113×W112×H50[mm]				
Weight[G.W.]	225g				

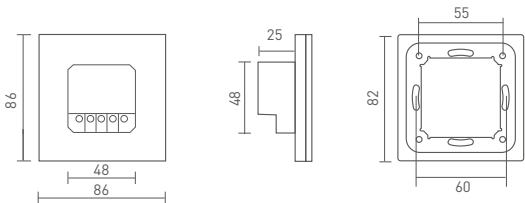


Installation instruction



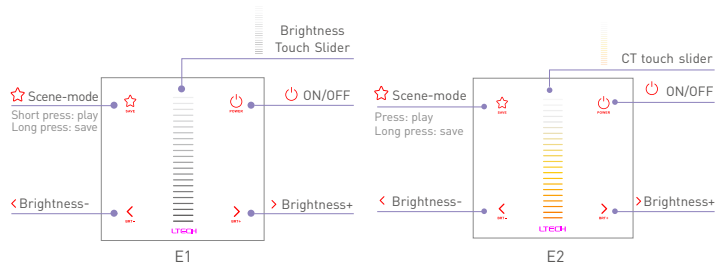
Product size

Unit: mm

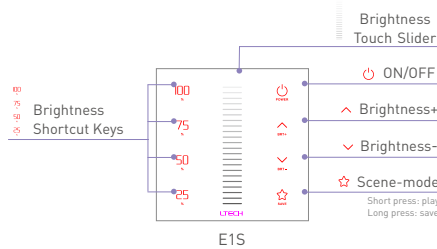


Key functions

LTECH



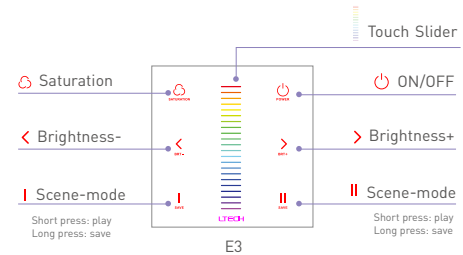
- * When blue status light of ON/OFF key is on, long press ON/OFF to turn on/off buzzer.
- When white status light of ON/OFF key is on, long press ON/OFF to match code.



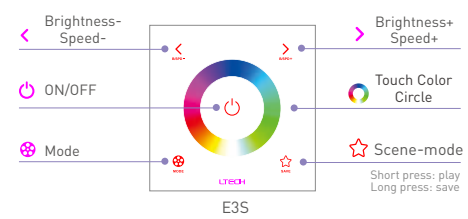
- * When status light of ON/OFF key is on, long press ON/OFF to turn on/off buzzer.
- When status light of ON/OFF key is off, long press ON/OFF to match code.

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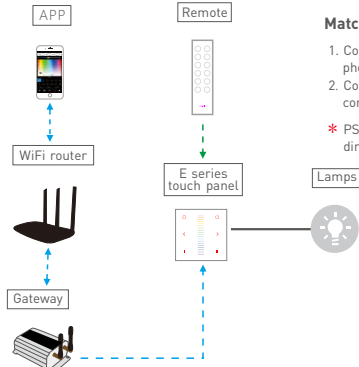
E3 panel's 2 scene-mode keys are corresponding with WiFi-106 gateway APP's 1 & 2 scene-mode key, the scenes can be changed by APP or panel.

- 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

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Match code sequence

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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

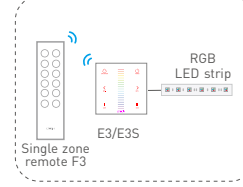
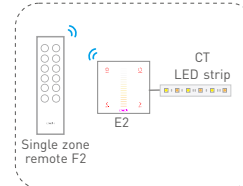
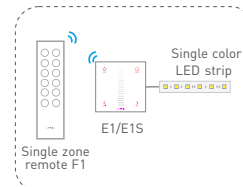
1. E series touch panel + Lamps
2. E series touch panel + Remote + Lamps
3. E series touch panel + WiFi master controller + Lamps
4. E series touch panel + WiFi master controller + Remote + Lamps

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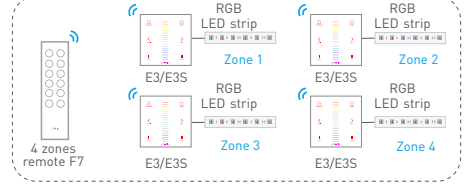
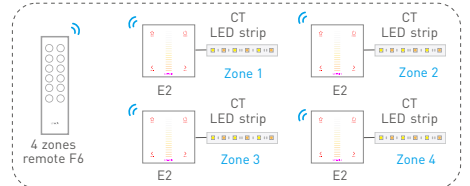
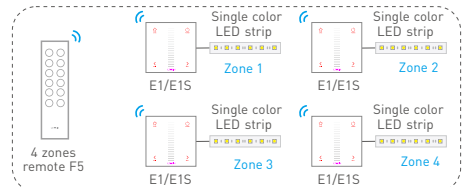
RF wireless wiring

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Single Zone Control



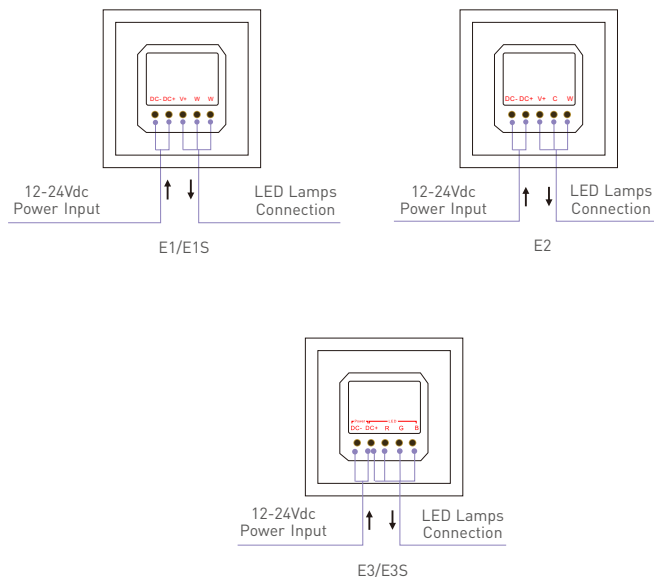
Multiple Zones Control



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

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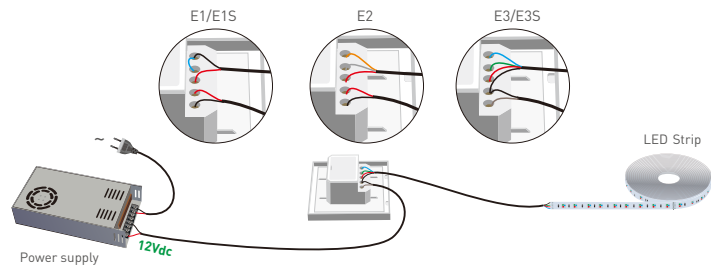
Terminals



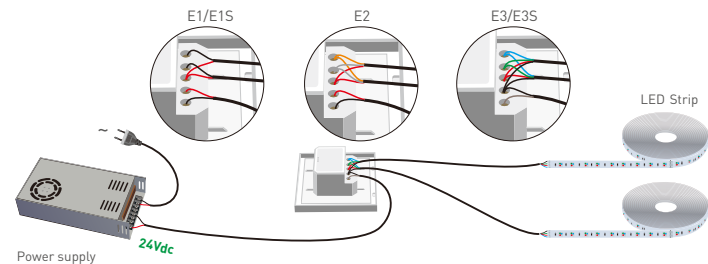
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Wiring diagram

E.g 1: Connect with 12V Strip. Max 48W/CH(12V)



E.g 2: Connect with 24V Strip. Max 96W/CH(24V)



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Match code between touch panel & remote

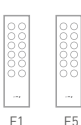
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E1/E1S touch panel match up with F1/F5 remote.

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



2. Press any key on F1 remote (or the matching zone key on F5), the indicator light stop flicking, match successfully.

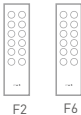


E2 touch panel match up with F2/F6 remote.

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

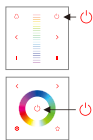


2. Press any key on F2 remote (or the matching zone key on F6), the indicator light stop flicking, match successfully.

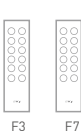


E3/E3S touch panel match up with F3/F7 remote.

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



2. Press any key on F3 remote (or the matching zone key on F7), the indicator light stop flicking, match successfully.



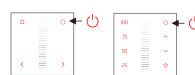
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Match code between touch panel & gateway

LTECH

E1/E1S touch panel match up with gateway.

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



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

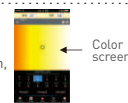


E2 touch panel match up with gateway.

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



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

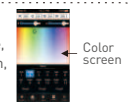


E3/E3S touch panel match up with gateway.

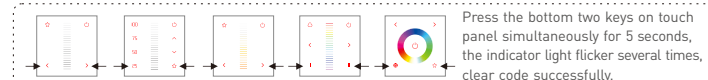
1. Long press on touch panel until indicator lights flicker.



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



Clear code



* Please match/clear code when panel status light of On/Off is white (for EX1S is off).