



LTECH EX1S Series Touch Panel Instruction Manual

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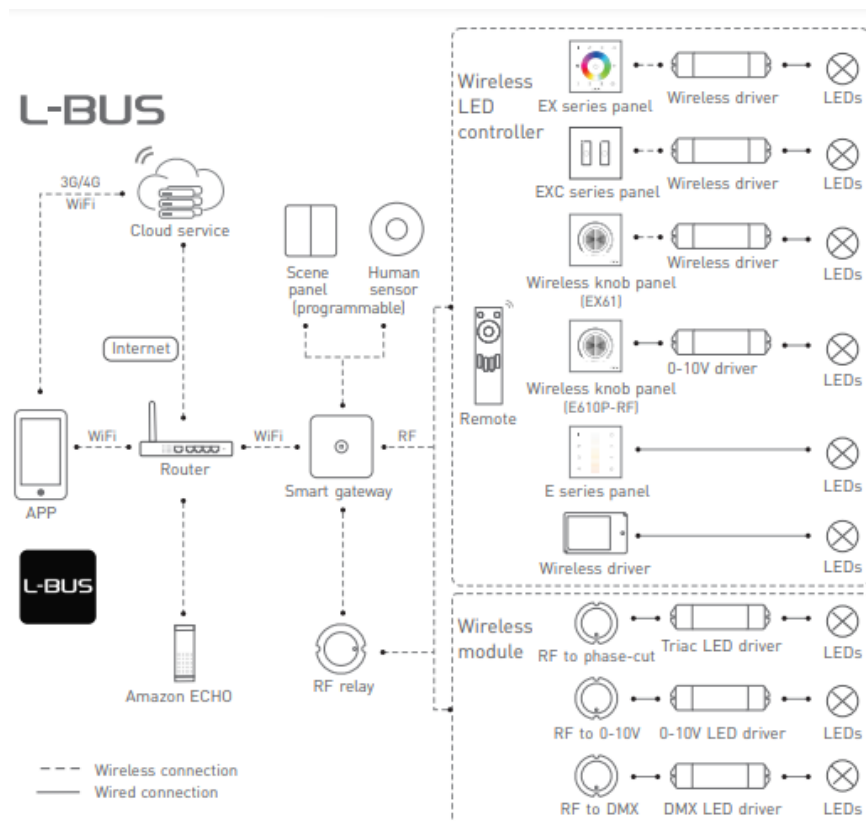
LTECH EX1S Series Touch Panel Instruction Manual



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System diagram



Product features

- Adopt wireless RF and wired DMX512 protocol 2 in 1 control mode, more flexible and convenient for project

installation.




- Advanced RF wireless sync/zone control technology, make sure dynamic color modes synchronously among multiple drivers.
- Install touch panel at different areas, can control the same LED light, achieve multi-panel control, no quantity limited.
- Touch keys with chord and LED indicator.
- Adopts capacitive touch control technology makes LED dimming selection more user-friendly.
- Compatible with remote and APP control with adding LITECH gateway.

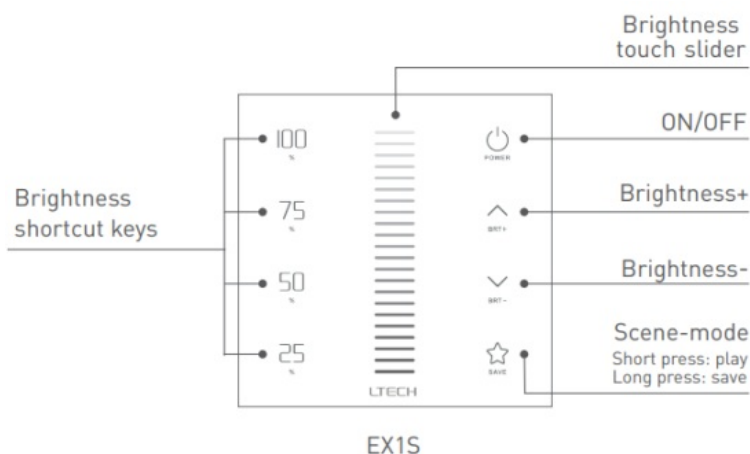
Technical specification

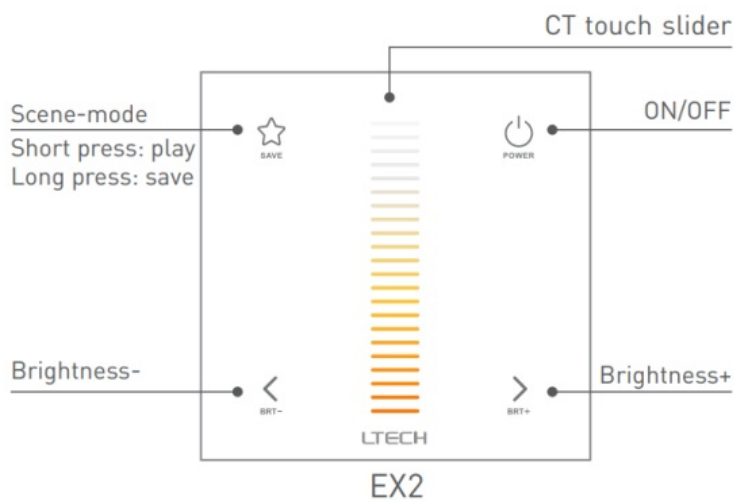
| Model | EX1S | EX2 | EX4S |
|---------------|-------------------|-----|------|
| Control type | Dimming | CT | RGBW |
| Input voltage | 100-240Vac | | |
| Output signal | DMX512 | | |
| Wireless type | RF 2.4GHz | | |
| Working temp. | -20°C~55°C | | |
| Dimensions | L86×W86×H36(mm) | | |
| Package size | L113×W112×H50(mm) | | |
| Weight(G.W.) | 225g | | |



- Product with L-BUS logo, supports the function of WIFI-108 advanced mode.

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.
- EX panel's scene-mode keys are corresponding with gateway APP's scenes, the scenes can be changed by APP or panel.

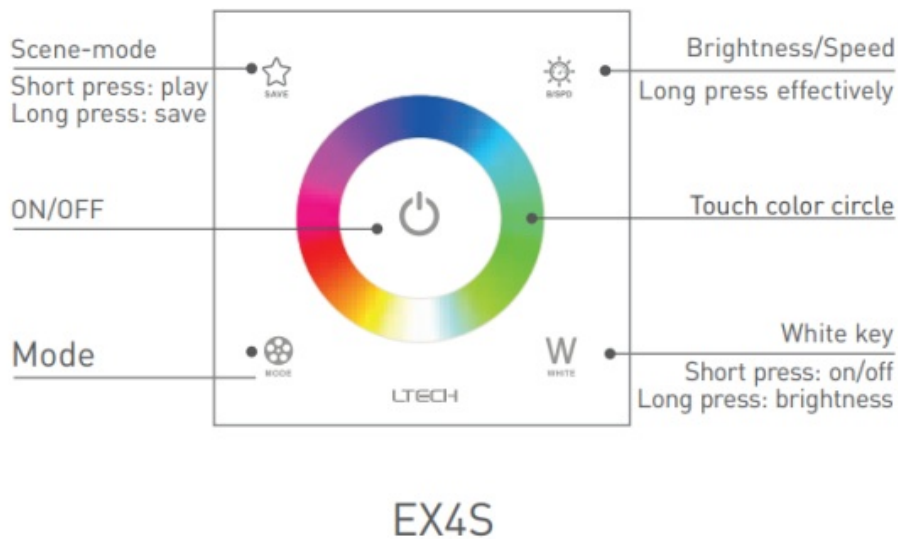




CT & CT2 mode of EX2 panel switch to each other: Simultaneously long press  button and  button for 3 seconds, the buzzer beeps once then switch successfully. (Factory default: CT mode).

| DMX Addresses | Modes | |
|------------------|-------|-----|
| | CT | CT2 |
| 1 | C | BRT |
| 2 | W | CT |


- Please switch the color temperature mode when the switch indicator light is white.



Mode

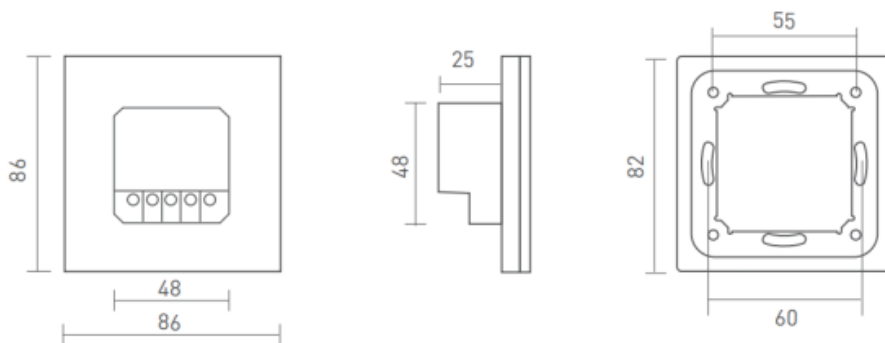
1. Static red
2. Static green
3. Static blue
4. Static yellow
5. Static purple
6. Static cyan
7. Static white

8. RGB jumping
9. 7 Colors jumping
10. RGB color smooth
11. Full-color smooth
12. Static black (only close RGB)

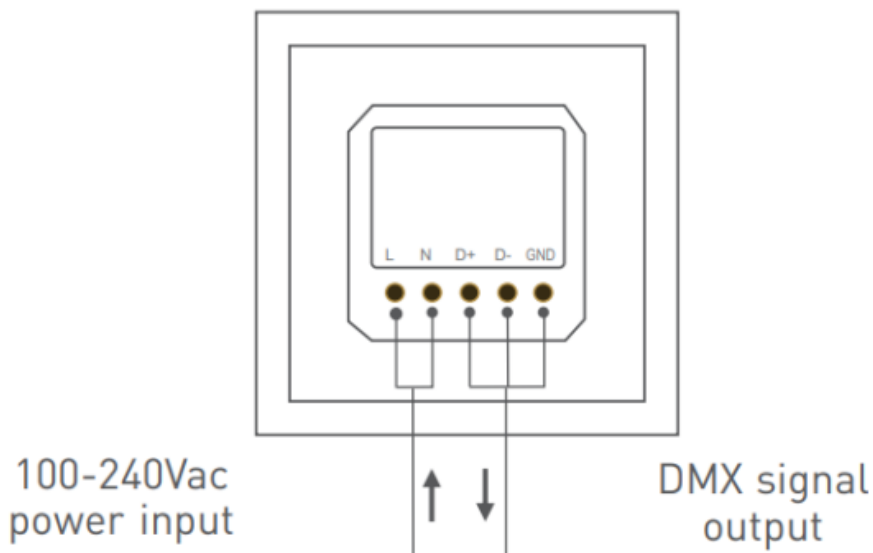
- White light only: press  key to choose black mode, then press **W** key.

Product size

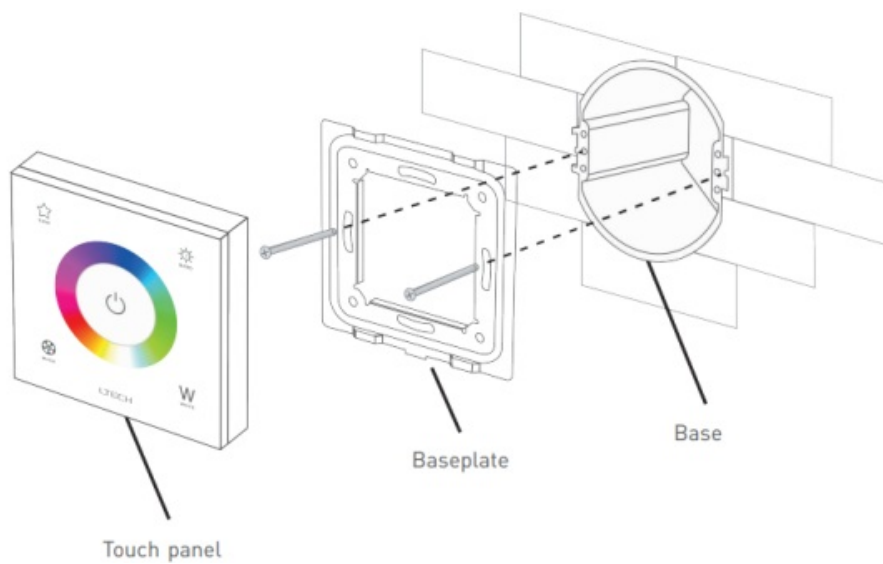
Unit: mm



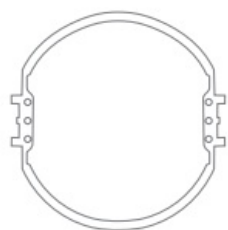
Terminals



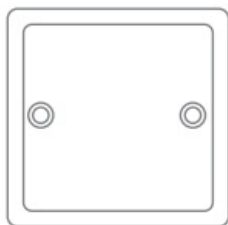
Installation instruction



Typical base as below:



European style

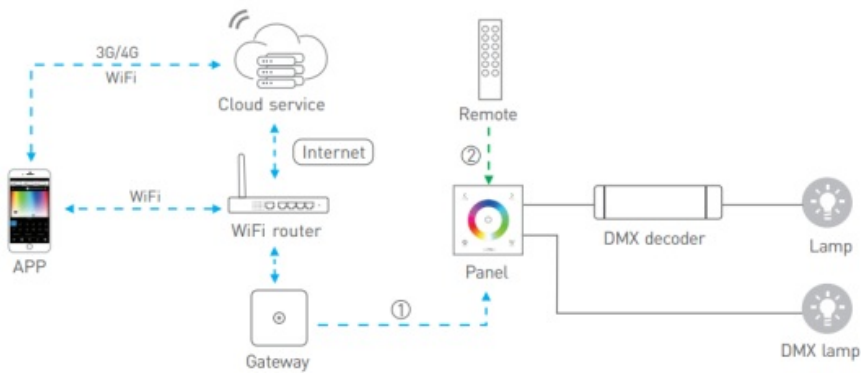


86 size



Match code sequence

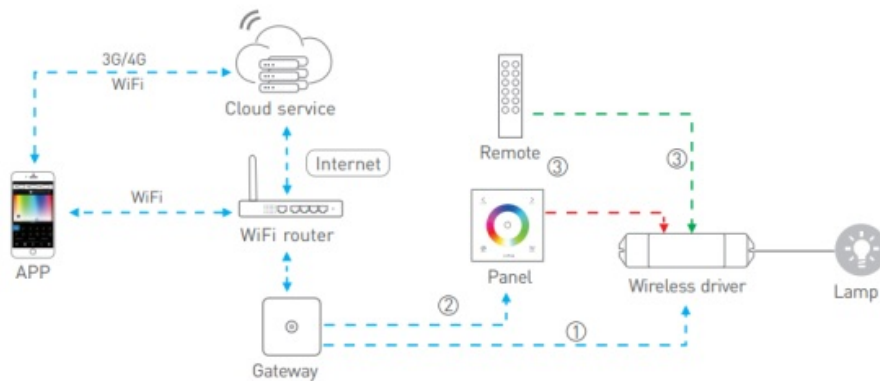
DMX system wiring



Match Code Sequence

1. Configure gateway with panel, which enables the smart phone to control DMX devices via Gateway.
2. Configure remote with panel, which enables remote to control DMX device.

Wireless system wiring













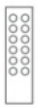





Match Code Sequence

















1. Match wireless driver with gateway.
2. Match panel with gateway.
3. Match remote with panel, match remote with wireless driver.

Application composition

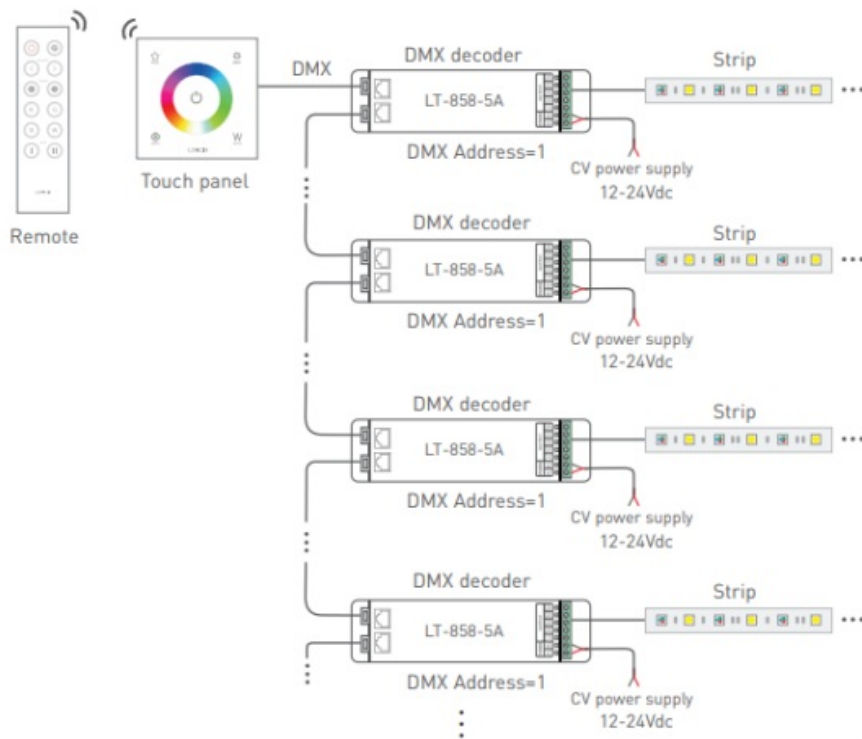
DMX512 control

1.  +  + 
Touch panel DMX driver Lamp
2.  +  +  + 
Remote Touch panel DMX driver Lamp
3.  +  +  + 
WiFi master controller Touch panel DMX driver Lamp
4.  +  +  +  + 
WiFi master controller Remote Touch panel DMX driver Lamp

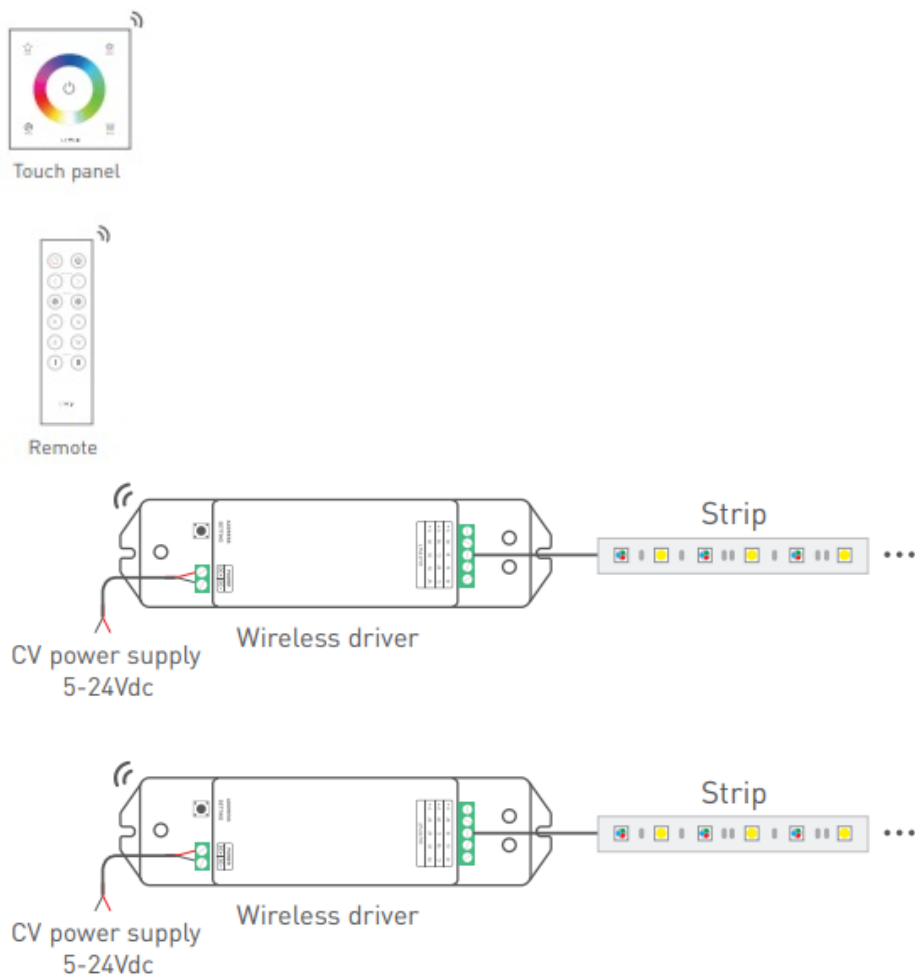
Wireless control

1.  +  + 
Touch panel Wireless driver Lamp
2.  +  +  + 
Remote Touch panel Wireless driver Lamp
3.  +  +  + 
WiFi master controller Touch panel Wireless driver Lamp
4.  +  +  +  + 
WiFi master controller Remote Touch panel Wireless driver Lamp

DMX wiring



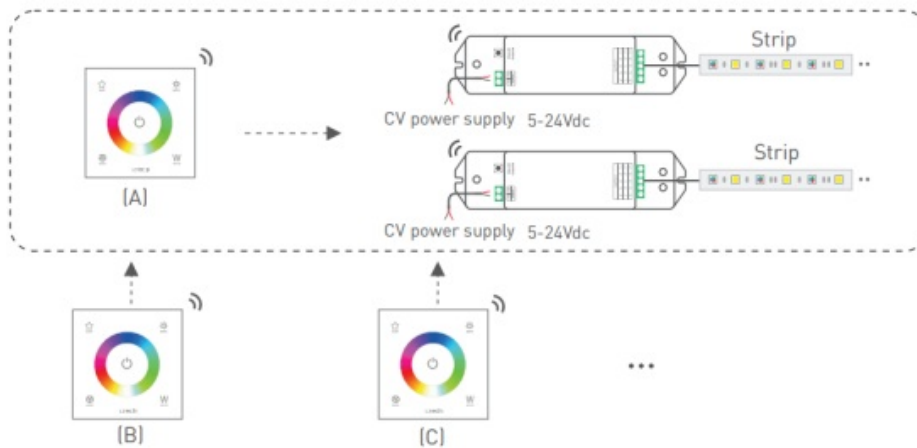
RF wireless wiring



Multiple wireless receivers (F4-3A/ F4-5A/F4-DMX-5A/F5-DMX-4A) can be matched with EX series touch panel within effective distance.

To avoid the signal interference, the installation needs to keep away from the large area metal material or the metal material space.

Multi-panel control wiring



- After touch panel A realizes controlling the lamps, if B and C are matched with A, they can also control the lamps.
- Linkage control is also available at connecting with DMX decoders.

Match code between touch panels

1. Assuming that B matches with A, long press on B until all indicator lights flicker.



2. Touch the slider on A within 15s, when indicator lights of B stop flicking, match successfully.



Match code between touch panel & remote

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



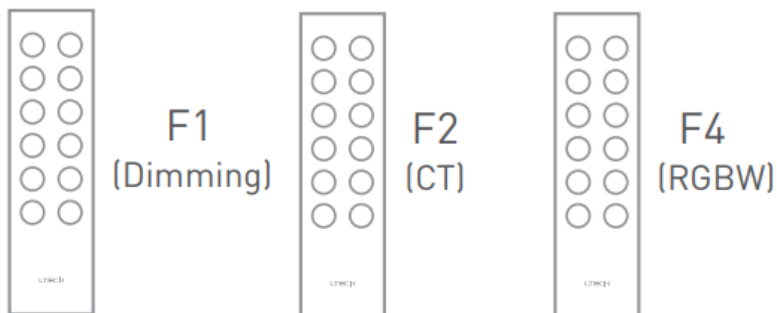
2. Match with F series remote:

Long press On/Off key on F series remote, the indicator light of touch panel stop flicking, match successfully.

EX1S works with remote F1.

EX2 works with remote F2.

EX4S works with remote F4



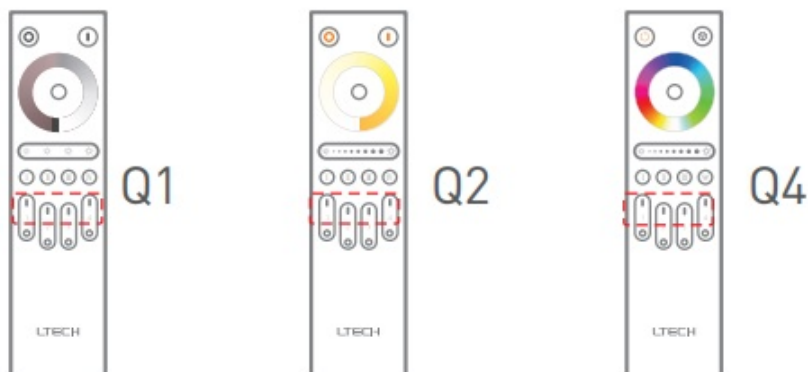
Match with Q series remote:

Long press the matching zone's "On" key on Q series remote, the indicator light of touch panel stop flicking, match successfully.

EX1S works with remote Q1.

EX2 works with remote Q2.

EX4S works with remote Q4.



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

Match code between touch panel & wireless driver

Touch panels can work with wireless driver F4-3A/F4-5A/F4-DMX-5A/F5 DMX-4A.

Method 1:

1. Power off the drive.



Wireless driver

2. Long press On/Off key of the panel until all indicator light flicking.



3. Power on the driver, the lamps flicker slowly, please complete step 4 within 15s.



Wireless driver

4. Short press any key or color circle / slider on the panel, match successfully.



Method 2:

1. Short press "ID learning button" on wireless driver, the lamps flicker, please complete next step within 15s.

ID learning
button



Wireless driver

2. Long press On/Off key on panel until all indicator light flicker.




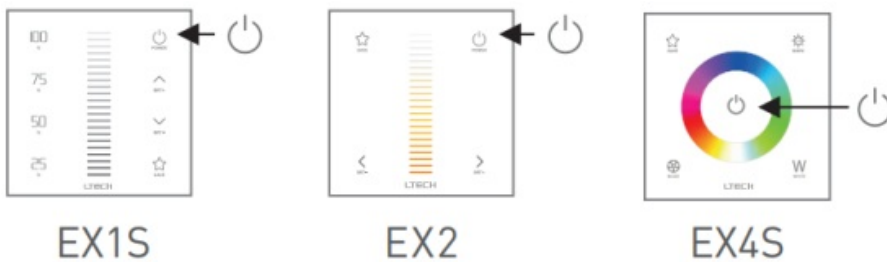


3. Short press any key or color circle / slider on the panel, match successfully.

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

Match code between touch panel & gateway

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

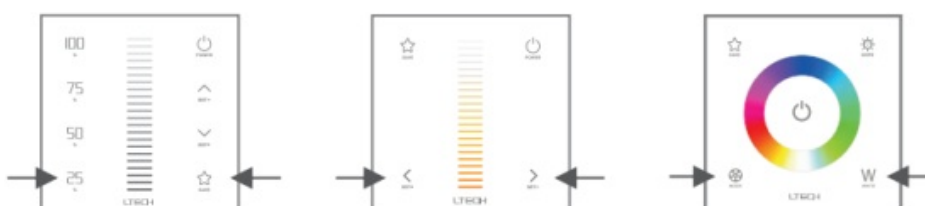


2. Turn on APP, enter “zone set” interface, click the right top “MATCH” key, then follow the prompts.



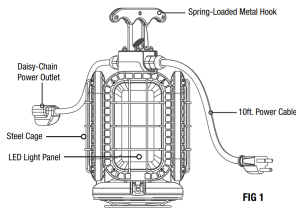
Clear code

Press the bottom two key on touch panel simultaneously for 6s, the indicator lights flicker several times, clear code successfully.



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

Warranty agreement



1. We provide lifelong technical assistance with this product:

- A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
- For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.

2. Warranty exclusions below:

- Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
- The product appears to have excessive physical damage.
- Damage due to natural disasters and force majeure.
- Warranty label, fragile label and unique barcode label have been damaged.
- The product has been replaced by a brand new product.

3. Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

4. Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

- No further notice if any changes in the manual.
- Product function depends on the goods.

Please feel free to contact our official distributor if any question.

Available from:



Sales & Technical Support

Bright Green Connect Limited

Unit 3, Oyster Park
Byfleet
Surrey
KT14 7AX




+44 (0) 1932 497992



contact@brightgreenconnect.com



Documents / Resources

| | |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>LTECH EX1S Series Touch Panel [pdf] Instruction Manual EX1S, EX2, EX4S, EX1S Series Touch Panel, EX1S, Series Touch Panel</p> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

References

- [LED drivers and lighting control with expert support](#)
- [LED Controller](#) | [LED Dimmable Driver](#) | [LED Intelligent Lighting](#) | [Intelligent Home -LTECH](#)