LTECH

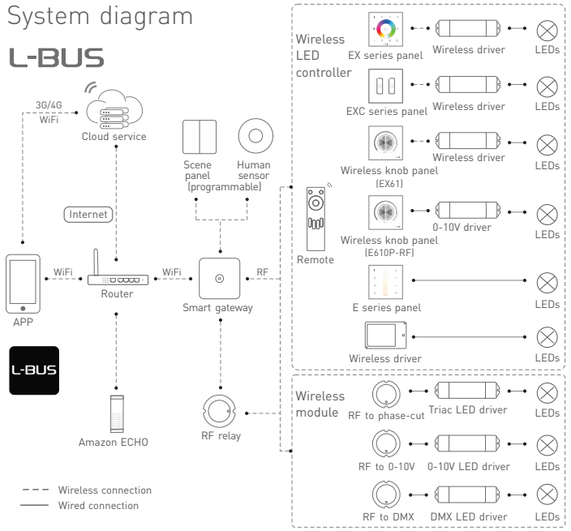
EX Series Touch Panel

Manual

www.ltech-led.com

System diagram

L-BUS



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.

Technical specs

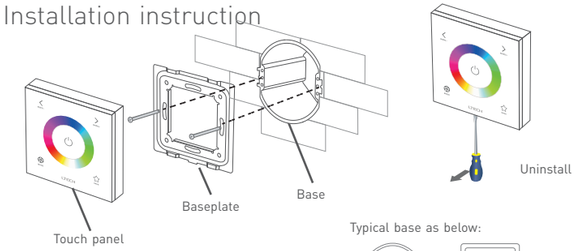
Model	EX1	EX1S	EX2	EX3	EX3S	EX4	EX4S
Control type	Dimming		CT	RGB		RGBW	
Input voltage	100-240Vac						
Output signal	RF 2.4GHz, DMX512						
Working temp.	-20°C~55°C						
Dimensions	L86×W86×H36(mm)						
Package size	L113×W112×H50(mm)						
Weight(G.W.)	225g						

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

FC CE RoHS warranty 5 years ISO9001:2008

RCM certification No.: RCMP17114 001

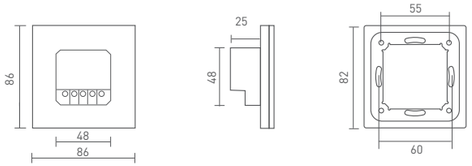
Installation instruction



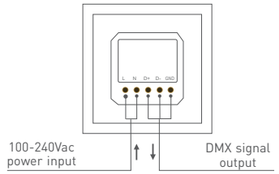
Typical base as below:

Product size

Unit: mm

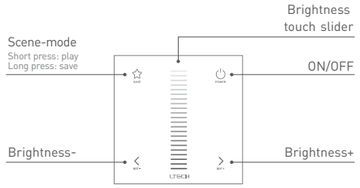


Terminals

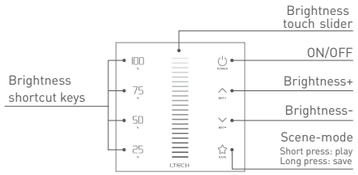


Key functions

* 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.

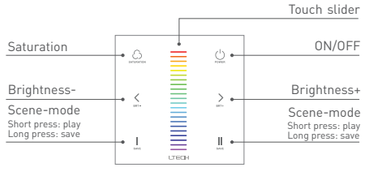


EX1

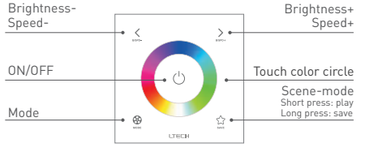


EX1S

EX2



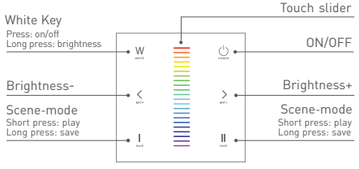
EX3



EX3S

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



EX4

EX4S

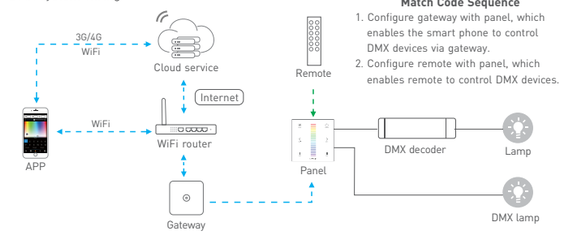
Mode

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 for white light.

Match code sequence

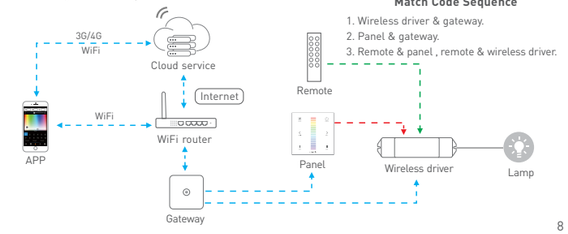
DMX system wiring



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 devices.

Wireless system wiring

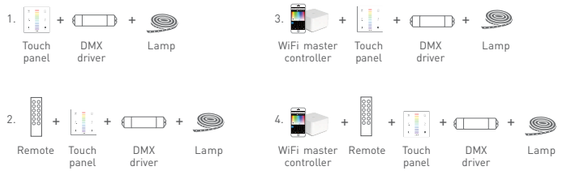


Match Code Sequence

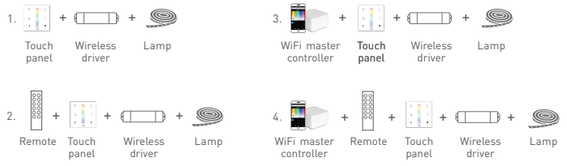
1. Wireless driver & gateway.
2. Panel & gateway.
3. Remote & panel , remote & wireless driver.

Application composition

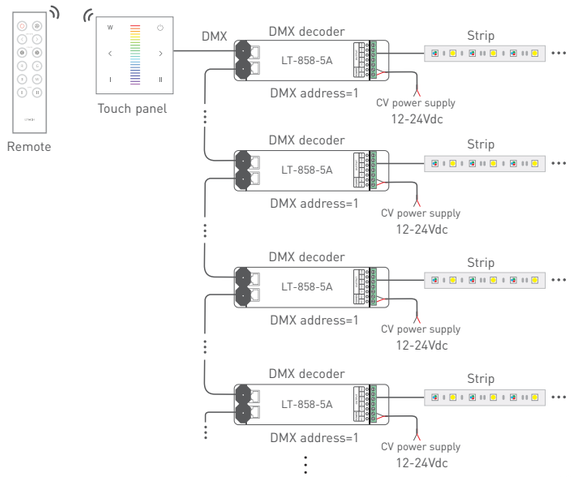
DMX512 control



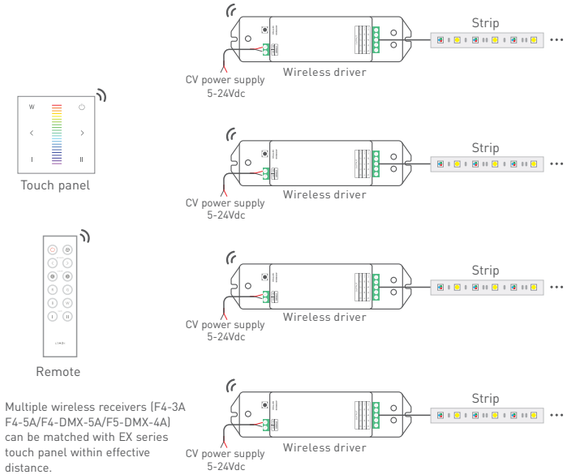
Wireless control



DMX wiring

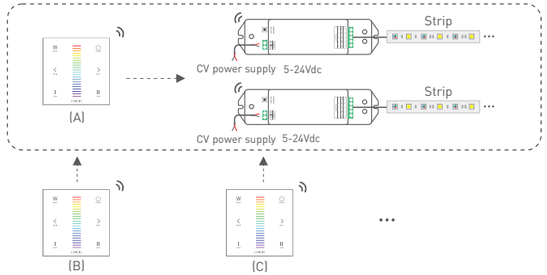


RF wireless wiring



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

Multi-panel control wiring



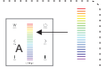
✻ After touch panel A realizes controlling the lamps, if B and C are matched with A, they can also control the lamps.

✻ Linkage control is also available at connecting with DMX decoders.

Match code between touch panels

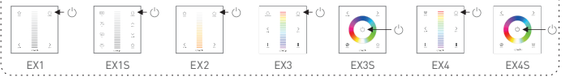
1. Assuming that B matches with A, long press ⏻ on B until all indicator lights flicker.

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



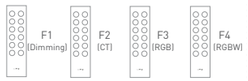
Match code between touch panel & remote

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.



EX1/EX1S works with remote F1. EX3/EX3S works with remote F3.
EX2 works with remote F2. EX4/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.

EX1/EX1S works with remote Q1. EX2 works with remote Q2.
EX3/EX3S/EX4/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 driver.

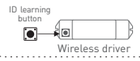
2. Long press On/Off key of the panel until all indicator light flicking.

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

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.



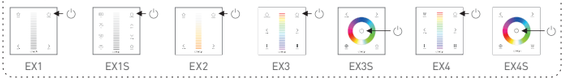
2. Long press On/Off key on panel until all indicator light flicker.

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.

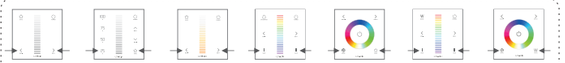
Match code between touch panel & gateway

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 operate following the prompt.

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.

✻ 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.