LTECH

EX Series Touch Panel

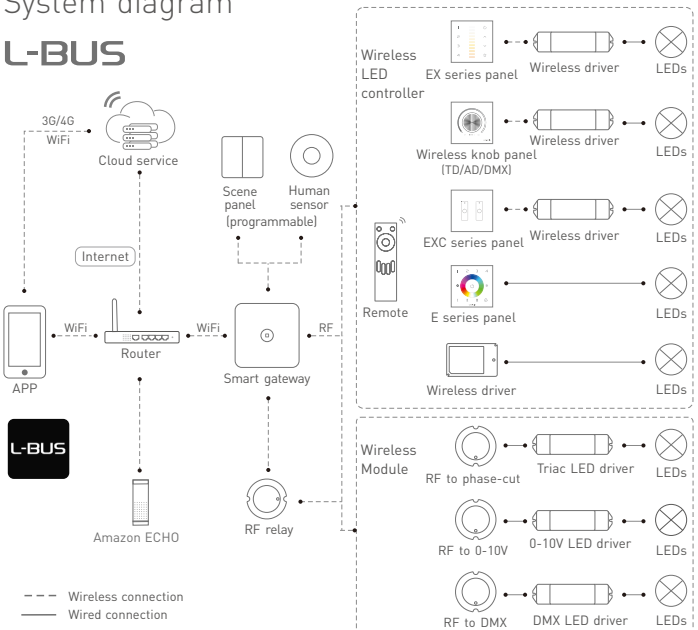
Manual

www.ltech-led.com

LTECH

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.
- Four zones can be combined arbitrarily, for example: zone 1 and zone 2 as a group, or zone 1, zone 3, zone 4 as a group, or all the 4 zones as a group.
- No limit the quantity of drivers in each zone, and all color modes keep synchronously.
- Support multiply panels linkage control, no quantity limitation.
- Touch keys with chord and LED indicator.
- Adopts capacitive touch control technology on the full color wheel, make LED color selection more user-friendly.
- Compatible with remote and APP control.

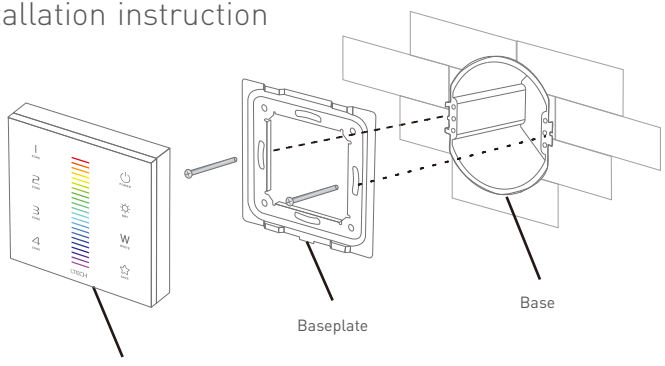
Technical specs

Model	EX5	EX6	EX7	EX7S	EX8	EX8S
Control type	Dimming	CT	RGB		RGBW	
Input voltage	100-240Vac					
Output signal	RF 2.4GHz, DMX512					
Zone	4 zones					
Working temp.	-20°C~55°C					
Dimensions	L86×W86×H36(mm)					
Package size	L113×W112×H50(mm)					
Weight(G.W.)	225g					

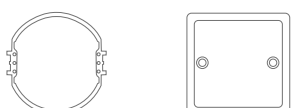
FC CE RoHS warranty 5 years ISO9001:2008

RCM certification No.: RCMP17114 001

Installation instruction

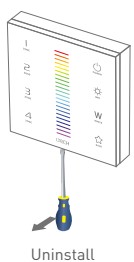


Typical base as below:



European style

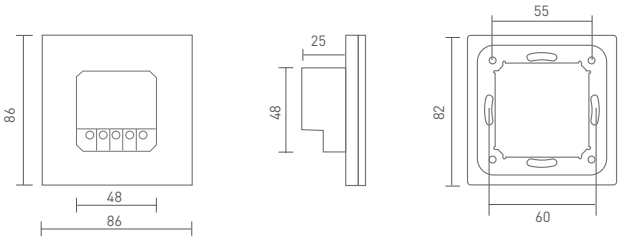
86 size



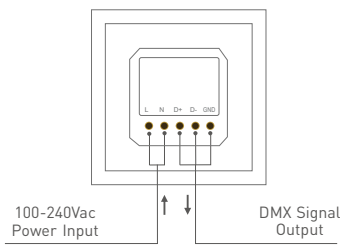
Uninstall

Product size

Unit: mm

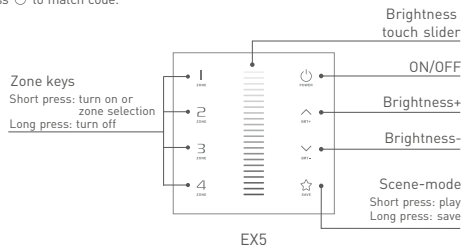


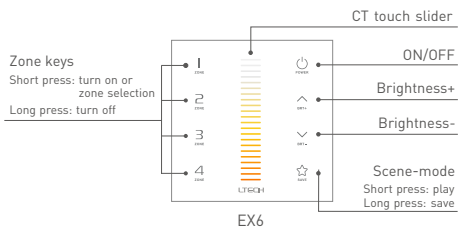
Terminals

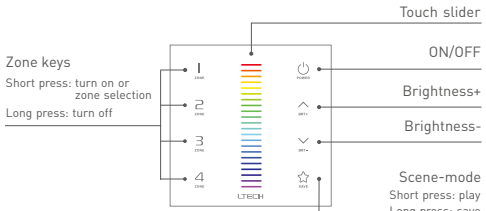


Key functions

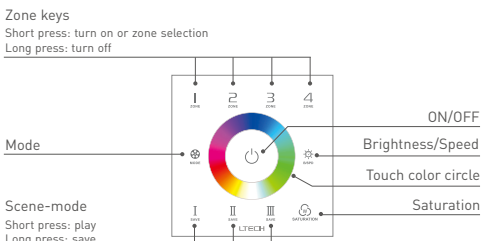
* When blue indicator light of ⏻ key is on, long press ⏻ to turn on/off buzzer. When white indicator light of ⏻ key is on, long press ⏻ to match code.







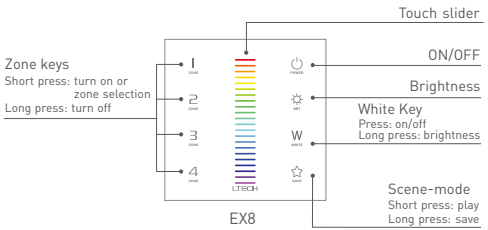
EX7



EX7S

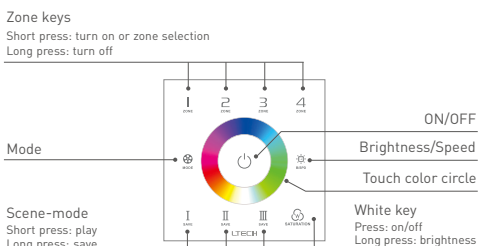
Mode

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



EX8

✻ White light only: press "W" key to turn on white light under OFF status.



EX8S

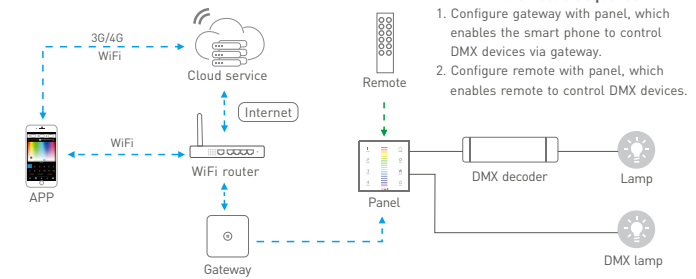
Mode

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 ⏻ key for white light.

Match code sequence

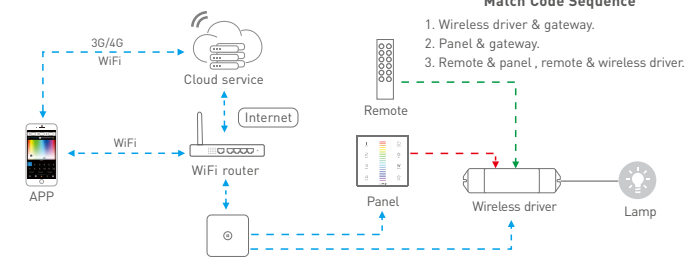
DMX system wiring



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

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

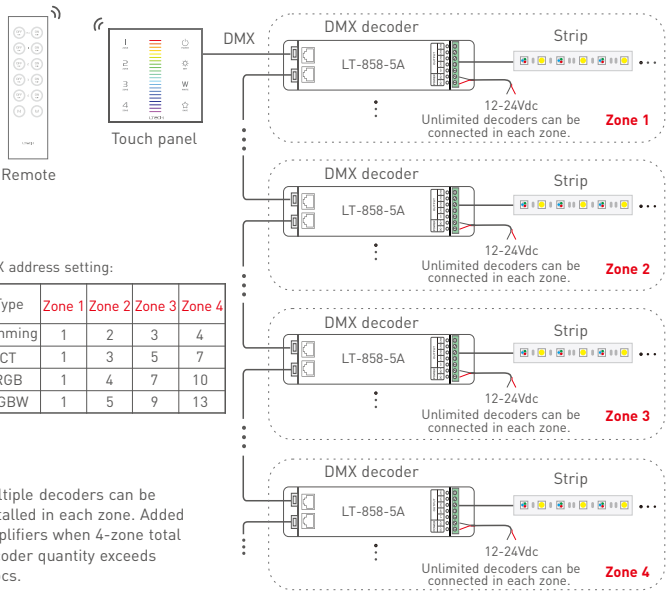
1. Touch panel + Wireless driver + Lamp

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

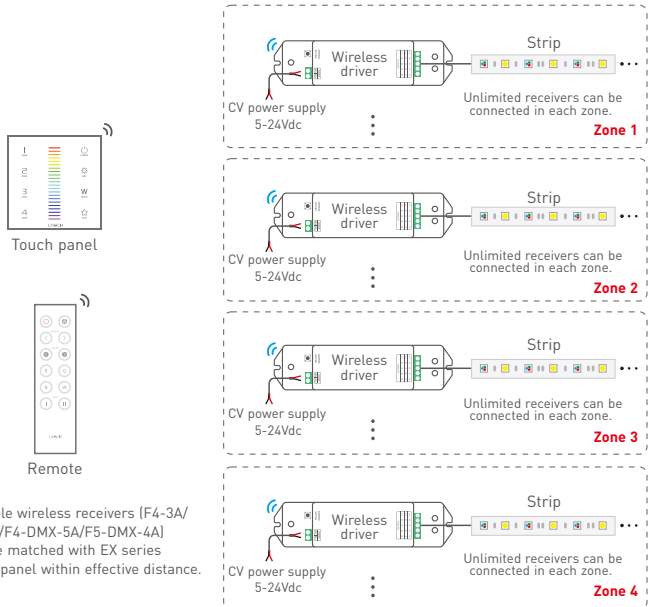


DMX address setting:

Type	Zone 1	Zone 2	Zone 3	Zone 4
Dimming	1	2	3	4
CT	1	3	5	7
RGB	1	4	7	10
RGBW	1	5	9	13

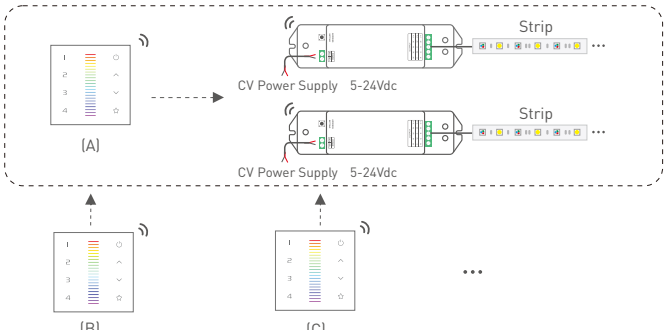
Multiple decoders can be installed in each zone. Added amplifiers when 4-zone total decoder quantity exceeds 32pcs.

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

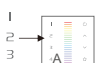


* After touch panel A realizes controlling the lamps, if B and C are matched with A, they can also control the lamps.
* Linkage control is also available at connecting with DMX decoders.

Match code between touch panels

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

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

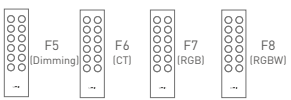


Match code between touch panel & remote

1. Long press ⏻ on touch panel until indicator lights in all zones 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.



EX5 works with remote F5.
EX6 works with remote F6.
EX7/EX7S works with remote F7.
EX8/EX8S works with remote F8.

Match with Q series remote:

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

EX5 works with remote Q1. EX6 works with remote Q2.
EX7/EX7S/EX8/EX8S works with remote Q4.

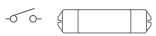
* Please match/clear code when ⏻ indicator light of panel is white.

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:

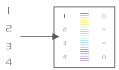
1. Power off the driver.



2. Long press On/Off key of the panel until all zone's indicator lights flicking.

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

4. Short press the matching zone key on the panel, match successful.

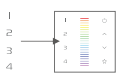


Method 2:

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

2. Long press On/Off key of the panel until all zone's indicator lights flicking.

3. Short press the matching zone key on the panel, match successful.



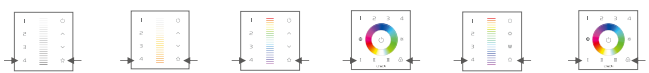
* Please match/clear code when ⏻ indicator light of panel is white.

Match code between touch panel & gateway

1. Long press ⏻ on touch panel until all zone's indicator lights flicking.

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.

* 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.