LTECH

EX8S Touch Panel (RGBW)

EX8S   F8   Receiver

Manual

www.ltech-led.com

Wireless   Scene-saved   Smart   Color selection   DMX512   4 zones

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Product Features

LTECH

- Adopt 2.4GHz RF wireless transmission technology, which is applicable for license and patent free worldwide.

- Advanced RF wireless sync/zone control technology, be able to realize dimming, synchronous dynamic changing color effect between receivers.

- Within the effective range, any quantity of receivers can be connected in the same zone, dynamic and static effects keep synchronization between different groups.

- 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.

- Support DMX512 signal output, can work as DMX master controller to control DMX fixture.

- 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.

- Saved the scene you like, touch 1 key to recall the scene, easy and convenient

- Adopts the capacitive touch control technology on the full color wheel, make the LED color selection more user-friendly.
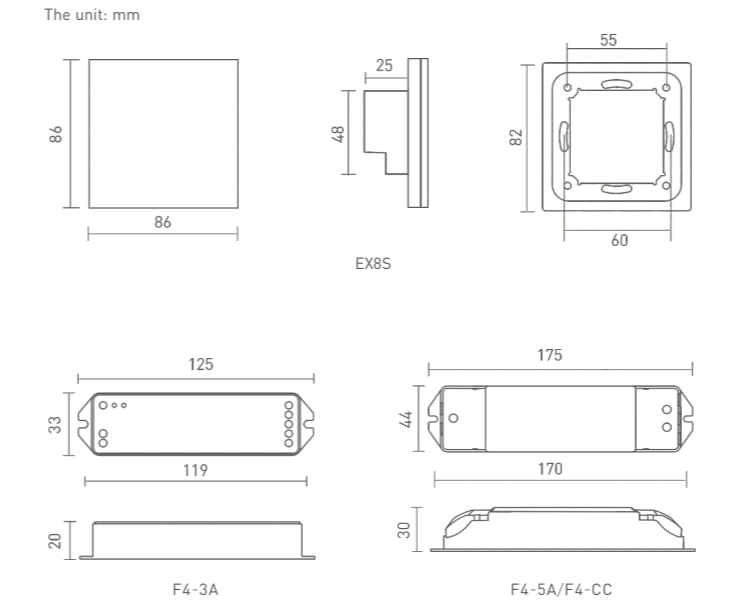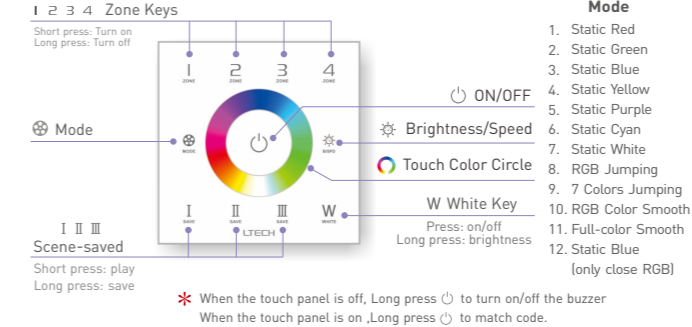

Technical Specs

LTECH
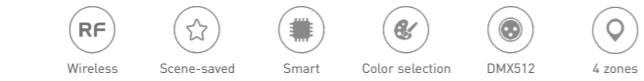
EX8S   RGBW Touch Panel (4 zones)

Input Voltage:	100~240Vac	Dimensions:	L86×W86×H36(mm)
Output Signal:	RF 2.4GHz, DMX512	Package Size:	L113×W112×H50(mm)
Working Temp.:	-30°C~55°C	Weight(G.W.):	225g

F4-3A   CV Receiver

Input Voltage:	5~24Vdc	Working Temp.:	-30°C~55°C
Current Load:	3A × 4CH Max. 12A	Dimensions:	L125×W33×H20(mm)
Max Output Power:	(0~15W...72W)×4CH Max. 288W	Package Size:	L127×W35×H24(mm)
Wireless Signal:	2.4GHz	Weight(G.W.):	60g

F4-5A   CV Receiver

Input Voltage:	5~24Vdc	Working Temp.:	-30°C~55°C
Current Load:	5A × 4CH Max. 20A	Dimensions:	L175×W44×H30(mm)
Max Output Power:	(0~25W...120W)×4CH Max. 480W	Package Size:	L178×W48×H33(mm)
Wireless Signal:	2.4GHz	Weight(G.W.):	150g

F4-CC   CC Receiver

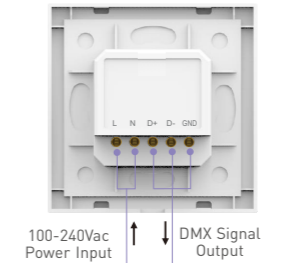| Input Voltage: | 12~48Vdc | Working Temp.: | -30°C~55°C |
Output Voltage:	3~46Vdc	Dimensions:	L175×W44×H30(mm)
Output Current:	CC 350/700/1050mA×4CH	Package Size:	L178×W48×H33(mm)
Output Power:	(1.05W~48.3W)×4CH Max 193.2W	Weight(G.W.):	165g
Wireless Signal:	2.4GHz		

Note: Receiver is sold separately.

FC CE RoHS warranty 5 years

Product Size

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The unit: mm

86   86

25   48   55   82   60

EX8S

125   33   119   20

F4-3A

175   44   170   30

F4-5A/F4-CC

Key Functions

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1 2 3 4 Zone Keys
Short press: Turn on
Long press: Turn off

ON/OFF

Mode

Brightness/Speed

Touch Color Circle

Scene-saved
Short press: play
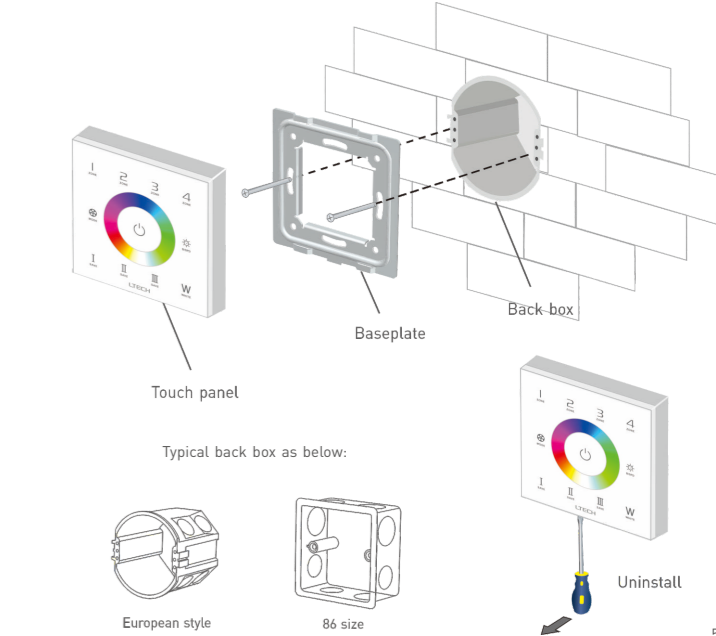Long press: save

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

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 the touch panel is off, Long press ⏻ to turn on/off the buzzer
When the touch panel is on ,Long press ⏻ to match code.

Terminals:

100-240Vac Power Input   DMX Signal Output

Installation Instruction

LTECH

Back box

Baseplate

Touch panel

Typical back box as below:

European style   86 size

Uninstall

DMX Wiring

F8

EX8S

DMX

DMX Decoder
DMX Addr=1
CV power supply
12-24Vdc
RGBW LED strip
Zone 1

DMX Decoder
DMX Addr=5
CV power supply
12-24Vdc
RGBW LED strip
Zone 2

DMX Decoder
DMX Addr=9
CV power supply
12-24Vdc
RGBW LED strip
Zone 3

DMX Decoder
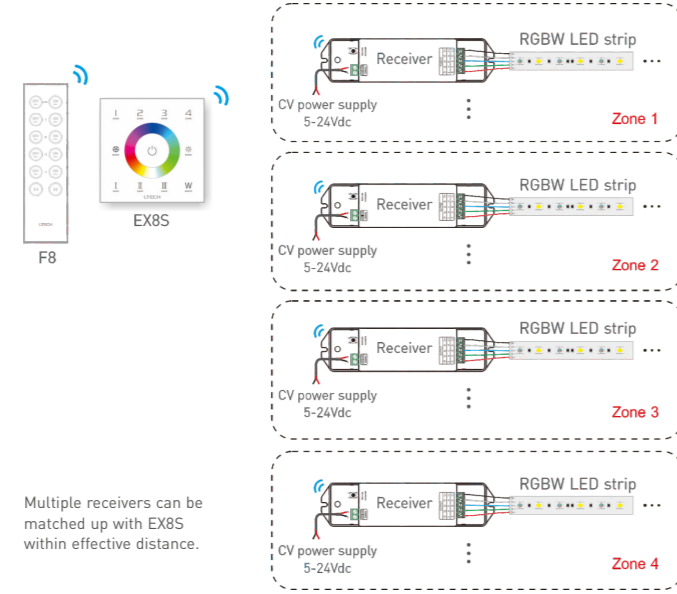DMX Addr=13
CV power supply
12-24Vdc
RGBW LED strip
Zone 4
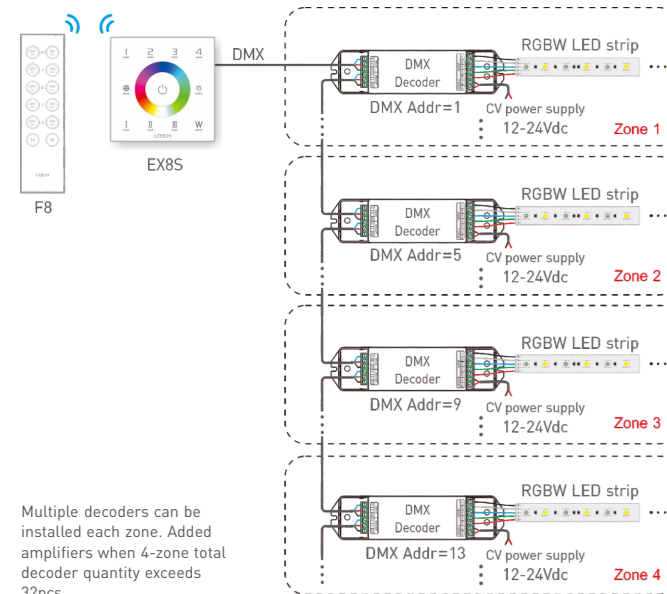
Multiple decoders can be installed each zone. Added amplifiers when 4-zone total decoder quantity exceeds 32pcs.
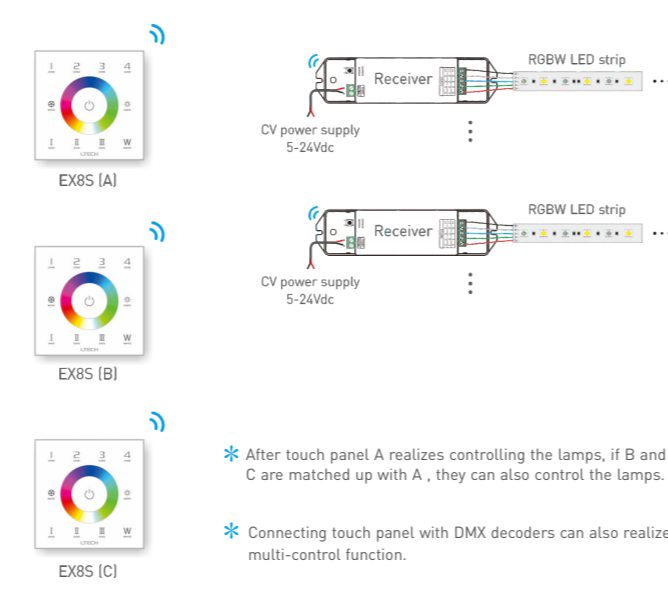
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RF Wireless Wiring

F8

EX8S

Receiver
CV power supply
5-24Vdc
RGBW LED strip
Zone 1

Receiver
CV power supply
5-24Vdc
RGBW LED strip
Zone 2

Receiver
CV power supply
5-24Vdc
RGBW LED strip
Zone 3

Receiver
CV power supply
5-24Vdc
RGBW LED strip
Zone 4

Multiple receivers can be matched up with EX8S within effective distance.

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Multi-panel Control Wiring

EX8S (A)

EX8S (B)

EX8S (C)

Receiver
CV power supply
5-24Vdc
RGBW LED strip

Receiver
CV power supply
5-24Vdc
RGBW LED strip

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

✳ Connecting touch panel with DMX decoders can also realize multi-control function.
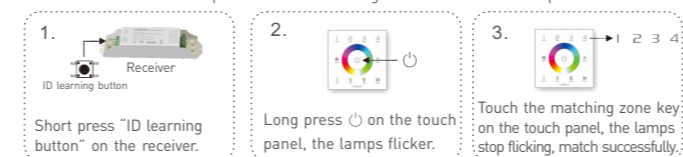
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Match code between Touch Panel & Receiver

Match code:

Method 1 : When the touch panel is on and the wiring between receiver and lamps are correct.

1.
Receiver
Power on the receiver, and complete step 2 within 10s.

2.
Long press ⏻ on the touch panel, the lamps flicker.

3.
Touch the matching zone key on the touch panel, the lamps stop flicking, match successfully.

Method 2 : When the touch panel is on and the wiring between receiver and lamps are correct.

1.
ID learning button   Receiver
Short press "ID learning button" on the receiver.

2.
Long press ⏻ on the touch panel, the lamps flicker.

3.
Touch the matching zone key on the touch panel, the lamps stop flicking, match successfully.

Clear code:

Method 1: Power on and off the receiver continuously for 5 times, If the buzzer long beep and lamps flicker twice, deactivate the matching successfully.
Receiver

Method 2: Long press "ID learning button" on receiver for 5 seconds, If the lamps flicker twice, deactivate the matching successfully.
Receiver
ID learning button

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Match Code between Touch Panels

Match code:

1.
B
Assuming that B match up with A, long press ⏻ on B until all the indicator flicker.

2.
A
Touch the color circle on A in 5s, if the indicator of B stop flicking, match successfully.

Clear code:

B
W
Press 1 W on B simultaneously about 3s, the indicator light flicker several times, clear code successfully.

Match Code between Touch Panel & Remote

Touch panel match up with remote:

1.
Long press ⏻ on the touch panel until all the indicator flicker.

2.
OFF ON
Long press All OFF ON key on the remote simultaneously, the indicator of touch panel stop flicking, match successfully.

Clear code:

I   W
Press 1 W on B simultaneously about 3s, the indicator light flicker 3 times, clear code successfully.
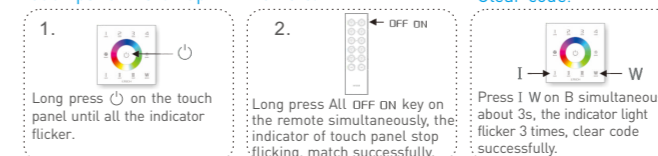
Remote match up with touch panel:

1.
M   W
Press M W key on the remote simultaneously, the indicator light keeps on.

2.
Touch the color circle on the touch panel, if the indicator of remote flicker twice, match successfully.

Clear code:

M   W
Long press M W key on the remote simultaneously about 6s, the indicator light keeps on, clear code successfully.
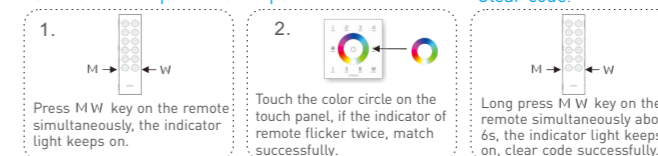
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Warranty Agreement:

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.

★This manual only applies to this model. LTECH reserves the right to make changes without prior notice.