



General

Product Type	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	AC
Input Voltage	100 ~ 240V AC
Power Supply	Internal
LED Outputs	2

Lighting

Color Range	Tunable White
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Control

Output Signal	DMX, RF
Control	DMX, Radio Frequency
Number of Channels	2
Functions	programmable

Environmental

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



IP20 5^{year} warranty

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.



EX2 Touch Panel (CT)



EX2



F2



Receiver

Manual

www.ltechonline.com

Technical Specs

EX2 Color Temperature Touch Panel

Input Voltage:	100~240Vac	Dimensions:	L86×W86×H37(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
Max Current Load:	3A × 4CH Max. 12A	Dimensions:	L125×W33×H20(mm)
Max Output Power:	60W/144W/288W(5V/12V/24V)	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
Max Current Load:	5A × 4CH Max. 20A	Dimensions:	L175×W44×H30(mm)
Max Output Power:	100W/240W/480W(5V/12V/24V)	Package Size:	L178×W48×H33(mm)
Wireless Signal:	2.4GHz	Weight(G.W.):	150g

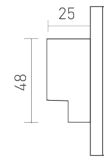
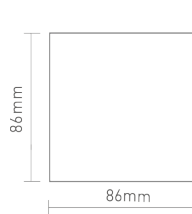
F4-CC CC Receiver

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		

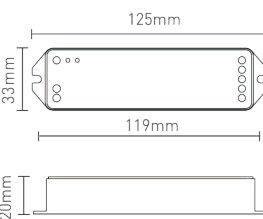
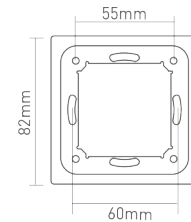
Note: Receiver is sold separately.



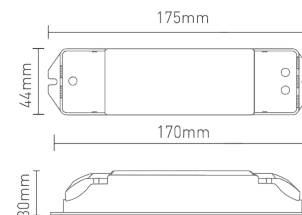
Product Size:



EX2

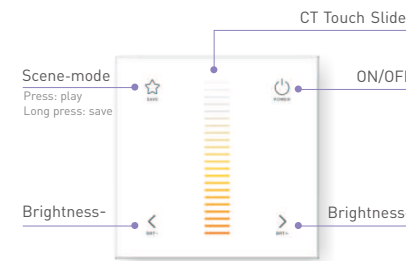


F4-3A



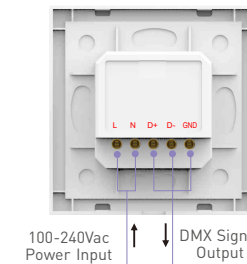
F4-5A/F4-CC

Key Functions:

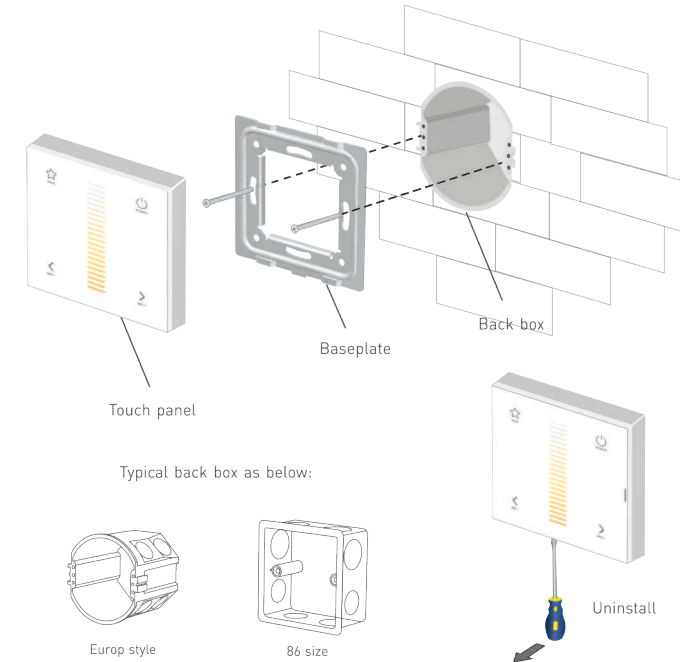


* When the touch panel is off, Long press  to turn on/off the buzzer
When the touch panel is on, Long press  to match code.

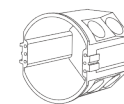
Terminals:



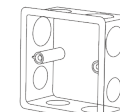
Installation Instruction:



Typical back box as below:



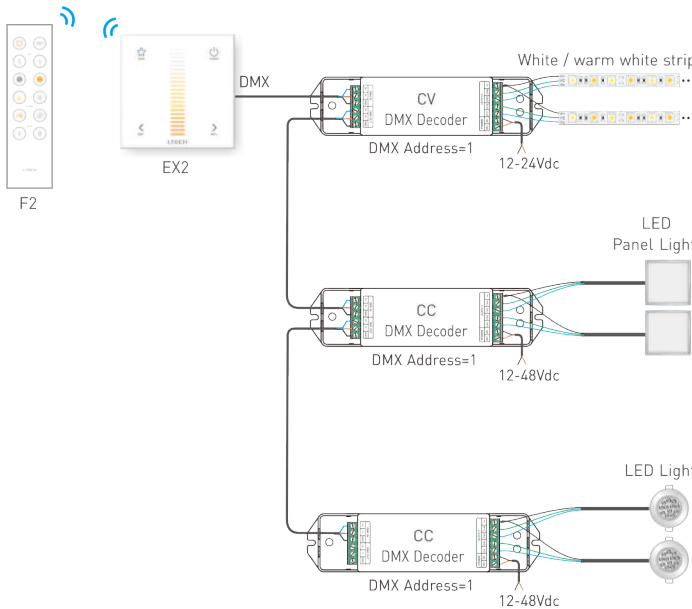
Europ style



86 size

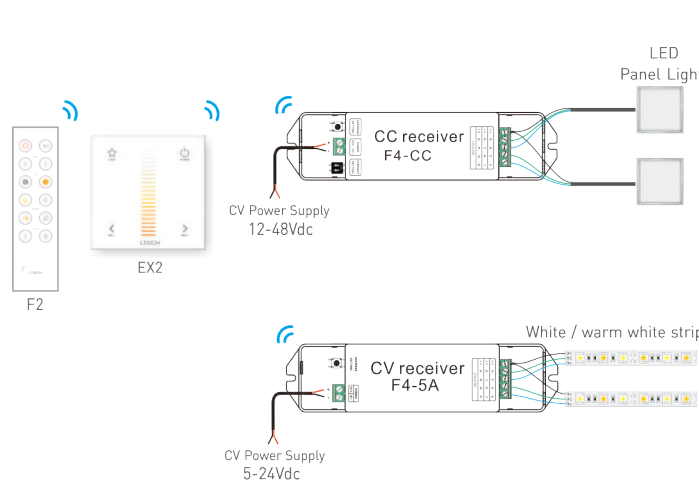
DMX Wiring:

LTECH



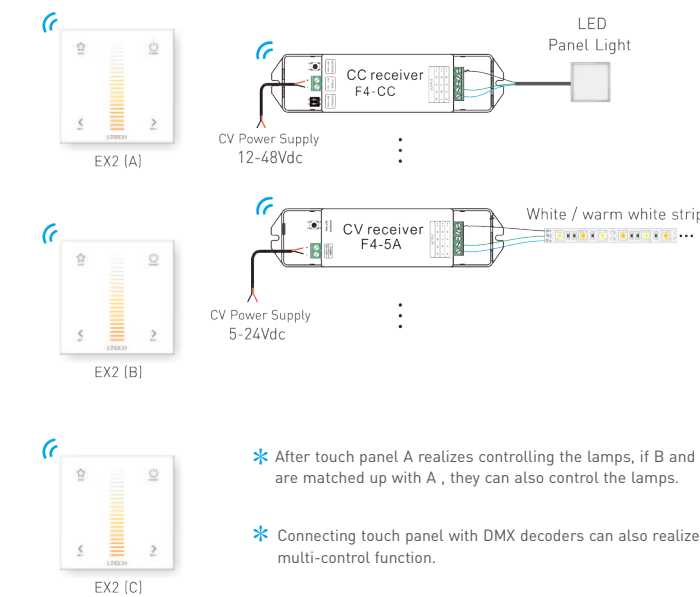
RF Wireless Wiring:

LTECH



Multi-control Wiring:

LTECH



- * 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.

Match/Clear Code between Touch Panel & Receiver

LTECH

Match code:

- Method 1 : When the touch panel is on and the wiring between the receiver and the lamps are correctly,
1. Receiver
Power on the receiver, and complete step 2 within 10s.
 2. Long press on the touch panel, the lamps begin flicker.
 3. Touch the slider in 5s, the lamps stop flicking, match successfully.

- Method 2 : When the touch panel is on and the wiring between the receiver and the lamps are correctly,
1. Receiver
Short press "ID learning button" on the receiver.
 2. Long press on the touch panel, the lamps begin flicker.
 3. Touch the slider in 5s, 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.
- Method 2: Long press "ID learning button" on receiver for 5 seconds, If the lamps flicker twice, deactivate the matching successfully.

Match/Clear Code between Remotes:

LTECH

Match code:

1. Assuming that B match up with A.
2. Long press on the B, the indicator lights of 4 keys keep on after release.
3. Touch the slider on A in 5s, when the indicator lights of B turn off, match successfully.

Clear code:

- Long press the two keys on the touch panel B simultaneously (about 3 seconds) until the indicator light flicker several times, deactivate the matching successfully.

Match/Clear Code between Touch Panel & Remote:

Match code:

1. Long press on the touch panel, the indicator light of the four keys flicker.
2. Long press on the remote, the indicator light stop flicking, match successfully.

Clear code:

- Long press the two keys on the touch panel simultaneously (about 3 second), if the indicator light flicker 3 times, deactivate.