



# LTECH M2 Mini LED Controller User Manual

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LED controller M2 M5



# M2 M5

 **RF WIRELESS**



warranty  
5 years

 **RoHS**  
COMPLIANT

**FC**

**CE** (EMC, R&TTE)

Mini series LED controller reflected LITECH 12 years' powerful independent R&D ability in the LED field, Its volume is only 1/3 of the conventional controller but can implement features such as dimming, RGB, and color temperature control. Its high-cost performance and creative design, allow users to enjoy the benefits and convenience.

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**Parameter:**

## Receiver:

- Model: M3-3A
- Power Input: 12~24V DC
- Max Current Load: Max 3Ax3CH
- Max Output Power: 108W(12V)/216W(24V)
- Working Temp.: -30~55
- Dimensions: L135×W30×H20(mm)
- Weight(N.W.): 47g
- Total Weight(G.W.): 135g

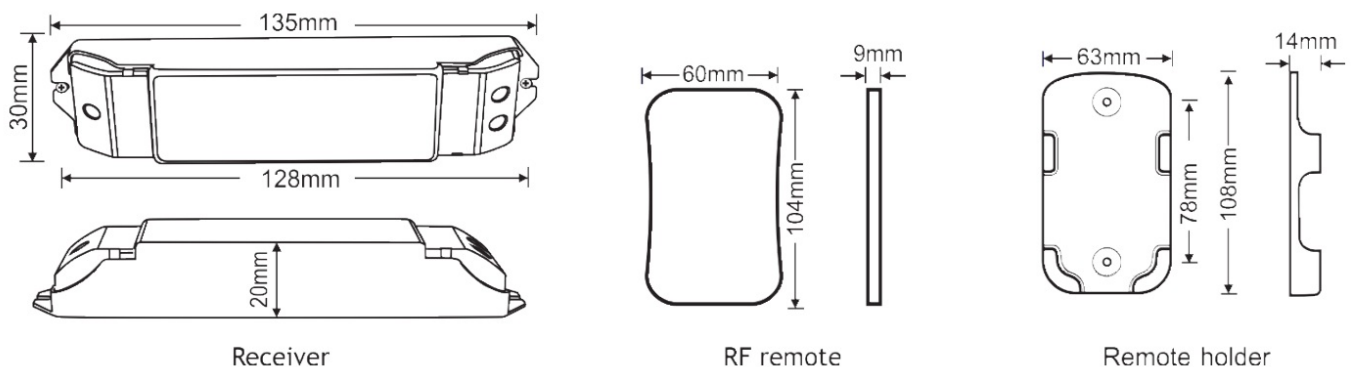
## Remote:

- Model: M2/M5
- Working Voltage: 3V (battery CR2032)
- Working Frequency: 433.92MHz
- Remote Distance: 30m
- Working Temp.: -30~55
- Dimensions: L104×W58×H9(mm)
- Weight(N.W.): 42g

## Feature:

- A. RF remote is fashionable, slim, light, and easy to carry while the receiver is small, exquisite, and easy to install.
- B. RF remote with low power consumption, long distance, strong obstructions penetrating ability, independent ID interference-free, and other properties.
- C. 4096/road grey scale (most of them is 256 in the market), high grayscale performance is more outstanding, the light is more gentle, and dynamic changing modes become more rich and colorful.
- D. One receiver is compatible with six different functions of the remote, that is using one receiver can experience dimming, color temperature, and RGB control.
- E. RF remote is simple and intuitive to use, a variety of actions at a glance, and what you see is what you get.
- F. Automatic sleep mode, when the touch remote is unattended in operation over the 30s, it can automatically enter standby mode to extend battery life.

## Product Size:



## The Learning ID Method of Remote Control:

Remote control has been matched to the receiver before leaving the factory, if deleted accidentally, you can learn

ID as follow.

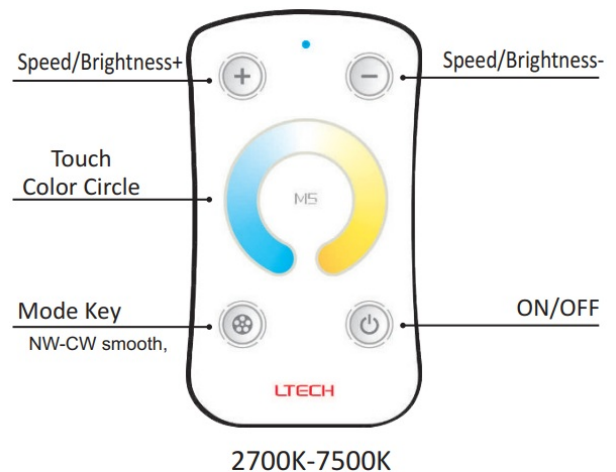
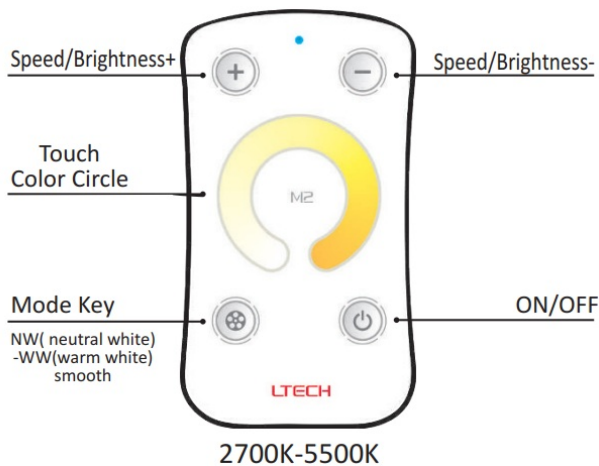
**Learning ID:** Short press the ID learning button on the receiver M3-3A, the running light is on, then press any key on the remote control M2/M5, the running light flashes several times, activated.

**Cancel ID:** Long press the ID learning button on the receiver for 5 seconds.

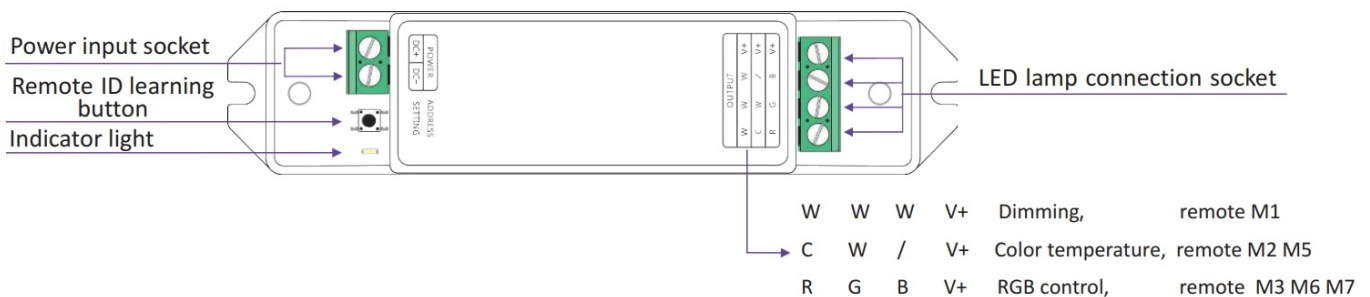
**Attn:** one receiver can be matched with a max of 10 same or different kinds of the remote.

## Operating Instruction for Remote Control:

**Sleep Mode:** when the remote is unattended operation is over 30s, it can automatically enter standby mode to extend battery life. press any of these four keys to continue.



## Operating Instruction for Receiver



## Wiring Diagram:



## Attention:

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a waterproof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any LED power supplies used complies with the working voltage of the product.
5. Please ensure that an adequate-sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
6. Ensure all wire connections and polarities are correct before applying power to avoid any damage to the LED lights.
7. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

## Warranty Agreement:

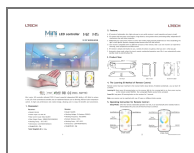
1. We provide lifelong technical assistance with this product:
  - A 5-year warranty is given from the date of purchase.
  - The warranty is for free repair or replacement and covers manufacturing faults only.
  - For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.
2. Warranty exclusions below:
  - Any man-made damages caused by 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.
  - The 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.

[www.ltechonline.com](http://www.ltechonline.com)

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## Documents / Resources



[LTECH M2 Mini LED Controller](#) [pdf] User Manual  
M2, M5, M2-3A, Mini LED Controller