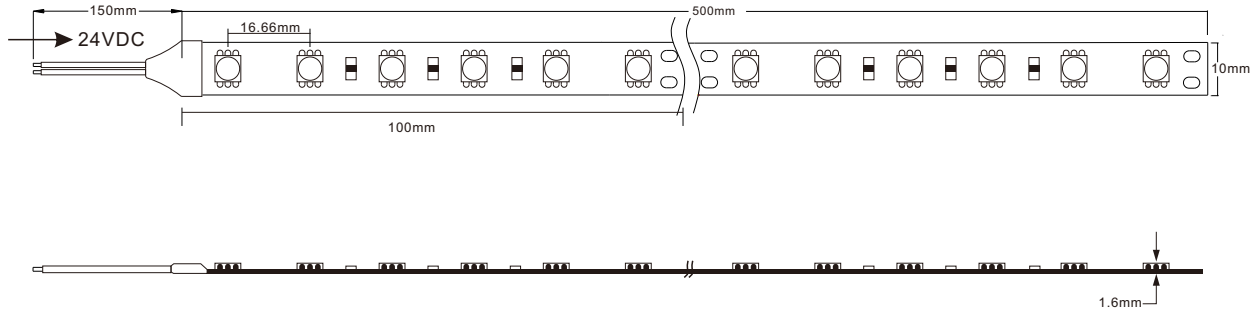


Item No.:1524-RGB-IP68

**Note:**

1. This file will be regarded as product specification as well as technical references if just holding by one side.
2. Product standard will be executed according to this file, which already confirmed and signed by both sides.
3. All rights reserved.

Drawing:



- Size unit for mm.
- Mixer length tolerance is plus or minus 0.2% mm, the accuracy of the length of the article lamp, only the length of the connector or other quick connector to connect to the other.
- The width of the tolerance of ± 0.2 mm.
- Thickness tolerance of ± 0.1 mm.(except IP65)
- Each the size of the smallest unit for 100mm

Product features:

- Easy installing for many ways.
- Can be cutting into small units (with a “scissors” sign on the LED strip) or connecting at your will.
- Adjustable for all kinds of LED decorations
- Safety input 24VDC
- Certified by UL, TUV-CE, RoHS
- Suitable for different environments by several water-proof standards as IP65 silicon coated.

Product parameters:

Absolute Maximum Rating at TA=25°C

Parameter	Mark	Rated Value	Unit
Forward Voltage DC	VF	24VDC	V
Forward Current	IF	600	mA/M
Power	PD	14.4	W/M
CRI	Ra	/	/
Luminous Flux	Φ	360	Lm (1M)
PCB Width	W	10	mm
Copper Thickness	T	3	OZ
Min. Element Size	L	100	mm
Min.Buckling Radius	R	≥50	mm
Angle	2θ1/2	120	deg
Static Electricity	ESD	800	V
Working Temp.	Topr	-20~+40	°C
Working Humidity	RH	90	%
Storage Temp.	Tstg	-40~+80	°C
Junction Temperature	Tj	115	°C
IP Grade	IP	• IP68-Silicon tube&Injected silicon glue	/
LED Color Temperature	CCT	• RGB	K

Note:

1. 2θ1/2 is Half-value angle.
2. Luminous Flux testing acceptable tolerance: $\pm 10\%$.
3. CRI testing acceptable tolerance: -1.
4. Voltage testing acceptable deviation: $\pm 1V$.
5. The CCT of the LED strip will changed after the strip glued.
6. Luminous Flux is the brightness of 1 meter.

Mini LED controller M3/M6/M7

RF WIRELESS



Mini series LED controller reflected LTECH 12 years' powerful independent R&D ability in 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, allowing users to enjoy the benefits and convenience.

Parameter:

Receiver:

- Model: M3-3A
- Power Input: 12VDC~24VDC
- Max Current Load: Max 3Ax3CH
- Max Output Power: 108W(12V)216W(24V)
- Gray Scale Level: Max 4096x4096x4096
- Working Temp.: -30°C~55°C
- Dimensions: L135xW30xH20(mm)
- Weight(N.W.): 47g

Total Weight(G.W.): 135g

Remote:

- Model: M3/M6/M7
- Working Voltage: 3V(battery CR2032)
- Working Frequency: 433.92MHz
- Remote Distance: 40m~50m
- Working Temp.: -20°C~55°C
- Dimensions: L104xW58xH9(mm)
- Weight(N.W.): 42g

Feature:

A. RF remote is fashionable, slim, light and easy to carry while 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.

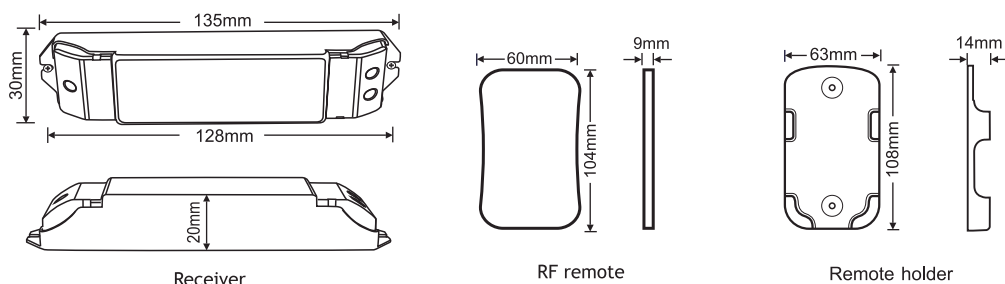
C. 4096/road grey scale (most of them is 256 in the market), high grayscale performance is more outstanding, the light is more gentle, dynamic changing modes become more rich and colorful.

D. One receiver compatible with six different functions of the remote, that is use 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, what you see is what you get.

F. Automatic sleep mode, when the touch remote unattended operation over 30s, it can automatically enter standby mode to extend battery life.

Product size:



The Learning ID Merthod of Remote Control:

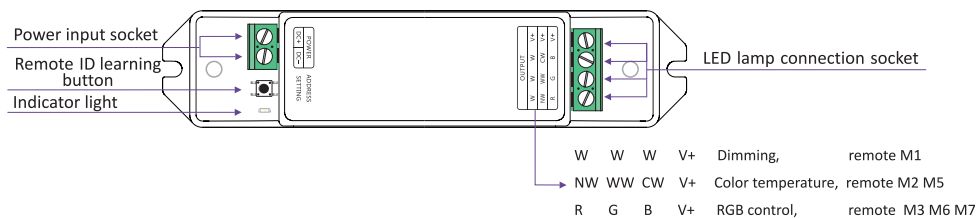
Remote control has been matched to the receiver before leave factory,if deleted accidentally,you can learn ID as follow.

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

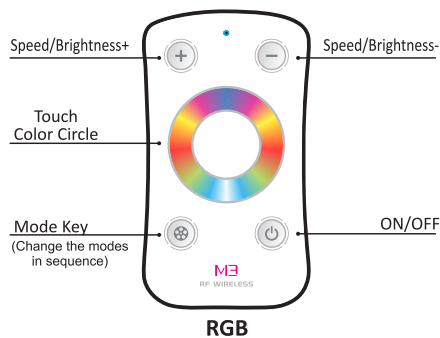
Cancel ID:long press ID learning button on the receiver for 5 seconds.

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

Operating Instruction for Receiver:



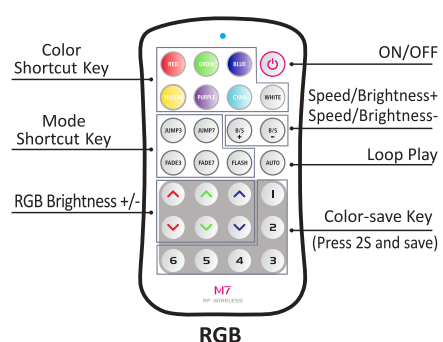
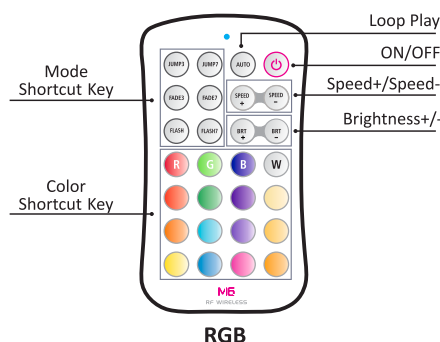
Operating Instruction for Remote Control:



M3 sleep mode:

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

Tables of Changing Mode:		
1. Static Red	5. Static Purple	9. 7 Colors Skipping
2. Static Green	6. Static Cyan	10. RGB Color Smooth
3. Static Blue	7. Static White	11. Full-color Smooth
4. Static Yellow	8. RGB Skipping	



Wiring Diagram:



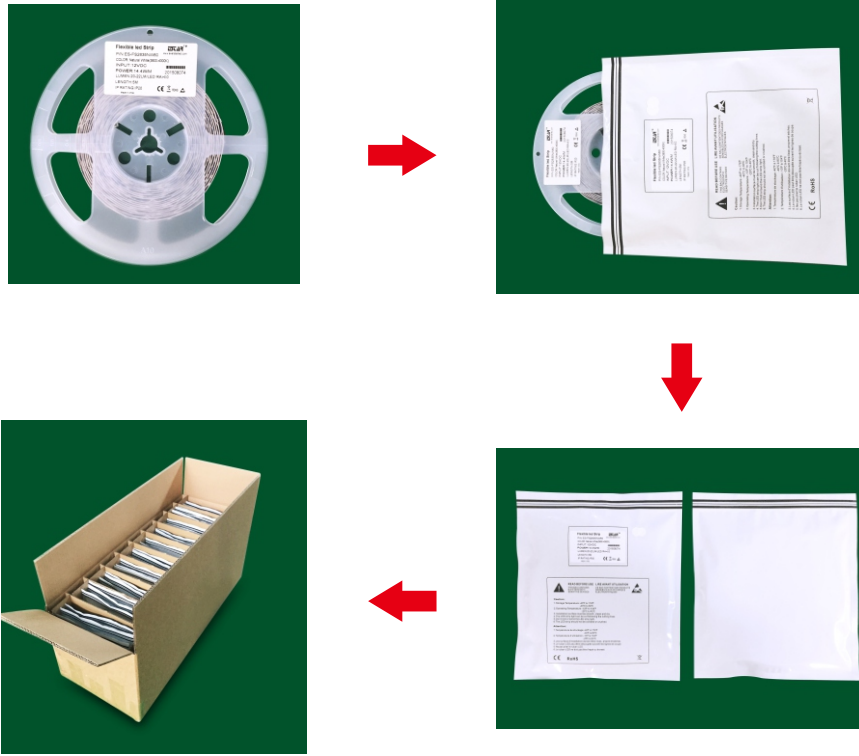
Attention:

- 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 water proof 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 comply with the working voltage of the product.
5. Please ensure that 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 damages 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 of 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 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 change without prior notice.

Packaging:



Carton Box Option 1: 70*27*27cm

Quantity: IP20 50rolls(250M)
IP65 40rolls(200M)

Carton Box Option 2: 39.5*39.5*24cm

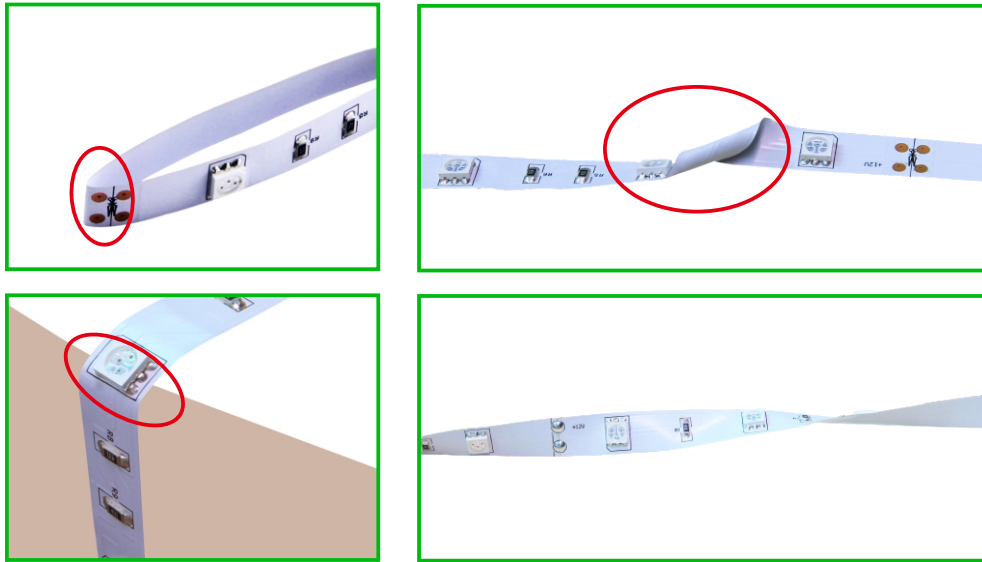
Quantity: IP20 60rolls(300M)
IP65 60rolls(300M)

Note:

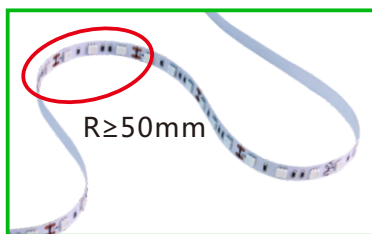
1. One Aluminum Foil Bag for one roll of LED strip, 5M/roll.
2. All the packaging materials are RoHS standard.
3. Heavy stuff are not allow to be loaded above the packaging box.

Cautions:

- When install the led strip , please note the installation technique. The led strip can be bent, but not distorted, as shown below:



Distortion(Wrong)



Bend(Right)

- LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC110 or AC220V, otherwise it will burn out the LED strips.
- Clean up the installation surface, it will ensure the reliability of the adhesive.
- The electrical connection process must be operated by a professional person.