LTECH

MINI LED Remote
(Single-zone)

CE FC RoHS

The MINI series LED remotes use RF 2.4GHz wireless transmission technology and the control distance (under no interference) can be up to 30 meters.

Connect to a P5 controller with 5 channel outputs which supports DIM/CT/RGB/RGBW/RGBCW light. One remote can control a large amount of controllers within the effective range to achieve different functions, such as turning lights on/off, adjusting brightness, CT, static RGB color, effects of dynamic modes, and recalling scenes, which meet the needs of users for different lighting applications.

Dimming remote (M1A/M1B) has brightness shortcuts that allow you to switch the brightness percentage with one press; CT remote (M2A/M2B) has the night light function that allows you to switch to low brightness with one press; RGBW remote (M4A/M4B) and RGBCW remote (M5A/M5B) allow you to switch dynamic modes through the mode button, as well as to loop playing the effects of 12 modes through pressing different buttons together.

Technical parameters

| Model	M1A	M1B	M2A	M2B	M4A	M4B	M5A	M5B
Color	White	Black	White	Black	White	Black	White	Black
Dimming mode	DIM		CT		RGBW		RGBCW	
Wireless protocol	RF 2.4GHz							
Working voltage	3Vdc (Button battery Cr2032×1)							
Standby current	<2uA							
Distance of remote	30M (Under no interference)							
Working temp.	-30℃~55℃							
Weight	40g±10g							
Dimensions	104×58×9mm (Remote), 108×63×14mm (Remote + Holder)							

Dimensions
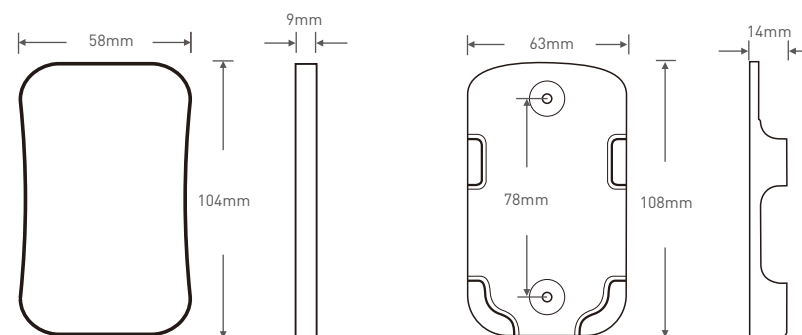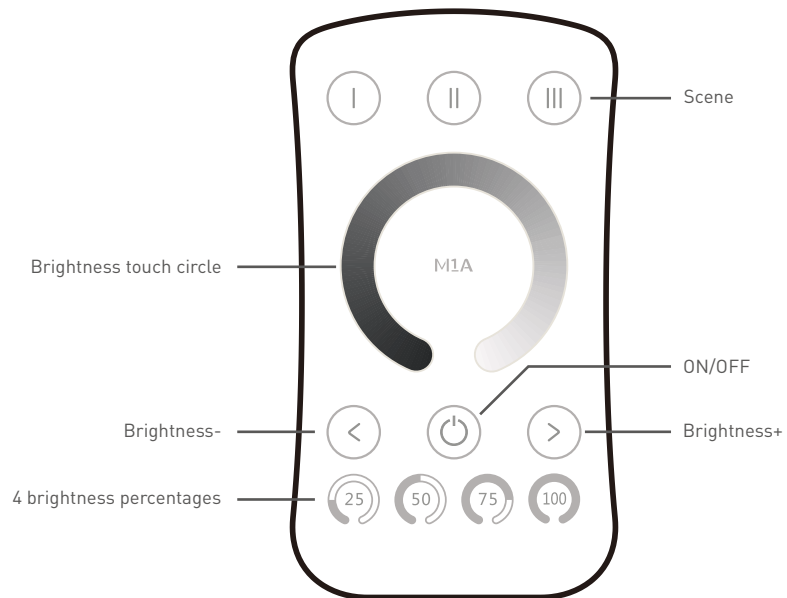

Remote

Remote holder

Product installation
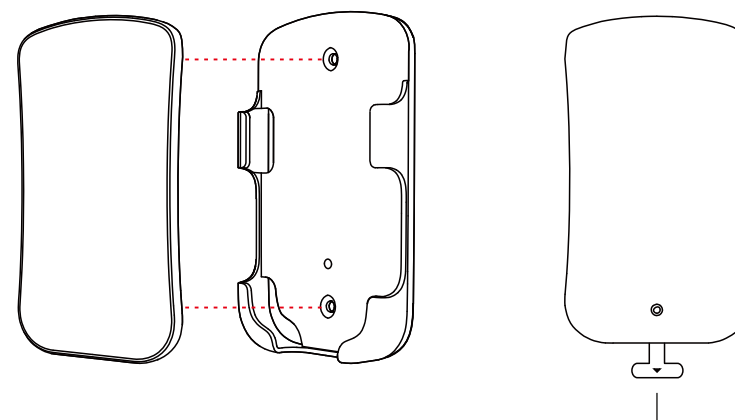
Two ways to fix the remote holder：
1. Fix the remote holder in the wall with two screws.
2. Fix the remote holder in the wall with a 3M adhesive.

Note: Please pull out the battery tab before first use

Button functions

- **Dimming remote M1A/M1B**

Scene

Brightness touch circle

M1A

ON/OFF

Brightness-

Brightness+

4 brightness percentages

25 50 75 100

- **CT remote M2A/M2B**

Scene

CT touch circle

M2A

ON/OFF

Brightness-

Brightness+

3 color temperature levels

Night light
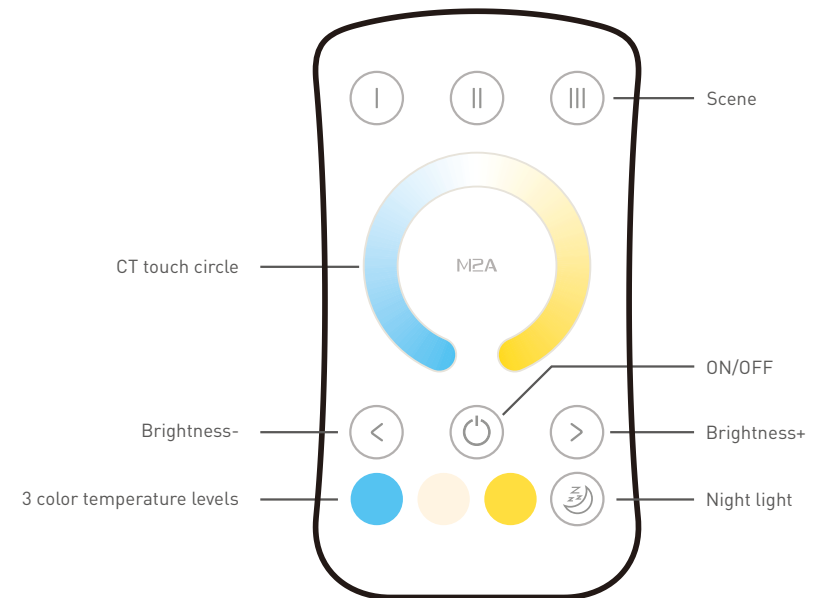
ON/OFF: Turn on/off the light.

Brightness touch circle: Move the circle to change the brightness of the light.

Brightness+/-: Short press to adjust the brightness level of the light and 10 brightness levels are provided;
Long press to change the brightness continuously.

4 brightness percentages: 25%, 50%, 75%, 100%, 4 brightness shortcuts.

Scene: Short press to turn on scene; Long press for 3s to save the current lighting status to the scene.

ON/OFF: Turn on/off the light

CT touch circle: Move the circle to change the CT of the light.

Night light: Switch to the night light mode and emit low-brightness light.
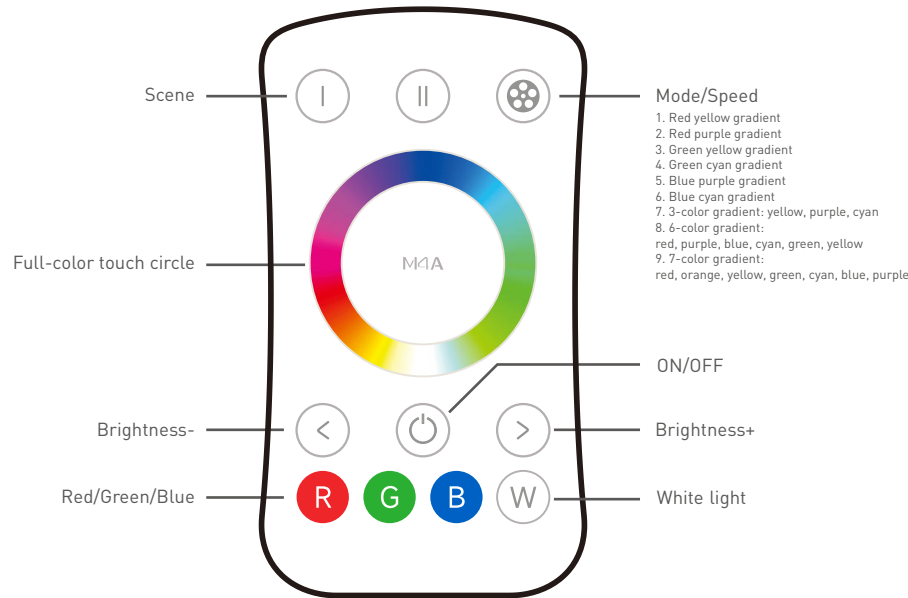
Brightness+/-: Short press to adjust the brightness level of the light and 10 brightness levels are provided;
Long press to change the brightness continuously.

3 color temperature levels: Cool white, neutral white, warm white , 3 color temperature shortcuts

Scene: Short press to turn on scene; Long press for 3s to save the current lighting status to the scene.

按键功能

• **RBGW remote M4A/M4B**

Scene

Full-color touch circle

Brightness-

Red/Green/Blue

Mode/Speed
1. Red yellow gradient
2. Red purple gradient
3. Green yellow gradient
4. Green cyan gradient
5. Blue purple gradient
6. Blue cyan gradient
7. 3-color gradient: yellow, purple, cyan
8. 6-color gradient:
red, purple, blue, cyan, green, yellow
9. 7-color gradient:
red, orange, yellow, green, cyan, blue, purple

ON/OFF

Brightness+

White light

ON/OFF: Turn on/off the light.

Full-color touch circle: Move the RGB color touch circle to select a color.

Mode/Speed: Short press to switch dynamic mode; Long press to adjust speed; Short press the "R" and "W" button simultaneously to loop playing the dynamic modes.
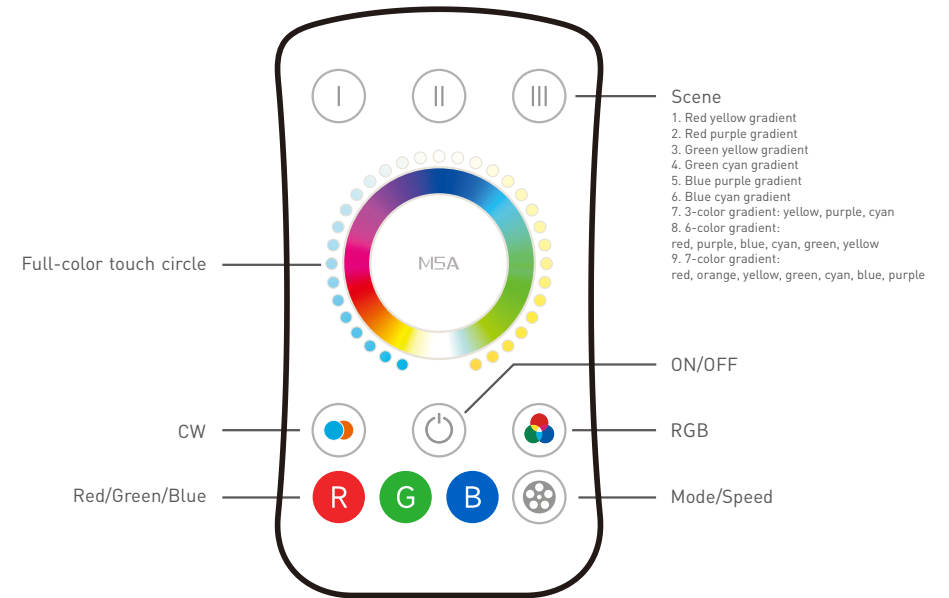
Brightness+/-: Short press to adjust the brightness level of RGB and 10 brightness levels are provided; Long press to change the brightness continuously.

Red/Green/Blue: Short press to turn on or off the static red/green/blue channel; Long press to adjust the brightness of the current channel.

White light: For the RGBW light, short press to turn on or off the W light channel; Long press to adjust the brightness of the W light.

Scene: Short press to turn on scene; Long press for 3s to save the lighting status to the scene.

• **RBGCW remote M5A/M5B**

Scene
1. Red yellow gradient
2. Red purple gradient
3. Green yellow gradient
4. Green cyan gradient
5. Blue purple gradient
6. Blue cyan gradient
7. 3-color gradient: yellow, purple, cyan
8. 6-color gradient:
red, purple, blue, cyan, green, yellow
9. 7-color gradient:
red, orange, yellow, green, cyan, blue, purple

Full-color touch circle

CW

Red/Green/Blue

ON/OFF

RGB

Mode/Speed

ON/OFF: Turn on/off the light.

Full-color touch circle: Move the RGB color touch circle to select a color.

Mode/Speed: Short press to switch dynamic mode; Long press to adjust speed; Short press the "R" and "⊛" button simultaneously to loop playing the dynamic modes.

CW: Short press to turn on/off the CW channel and at that time the full- color touch circle turns into the CW touch circle; Long press to adjust the brightness of current CW.

RGB: Short press to turn on/off the RGB channel and at that time the full-color touch circle turns into the RGB color touch circle; Long press to adjust the brightness of the current color.

Red/Green/Blue: Short press to turn on or off the static red/green/blue channel; Long press to adjust the brightness of the current channel.

Scene: Short press to turn on scene; Long press for 3s to save the lighting status to the scene.

Work with a P series controller

Two methods available for users to pair/unpair the controller.

ID learning button —

P series controller

Pair the controller

Method 1: Pair the controller by using the button

Step 1:

Short press the ID learning button on the controller and the indicator light flashes. Please complete the following steps within 15 seconds.

ID learning button →

Step 2:

Long press the ON/OFF button until the controller's indicator light flashes fast.

Step 3:

The controller's indicator light flashes fast and then stops, indicating successful pairing.

Method 2: Pair the controller by powering it on

Step 1:

Power off the controller first.

Step 2:

Long press the ON/OFF button and power on the controller at the same time until the controller's indicator light flashes fast.

Step 3:

The controller's indicator light flashes fast and then stops, indicating successful pairing.

Note: A controller can be paired with a maximum of 10 remotes. Pairing more than 10 remotes will automatically delete the earliest remote ID codes.

Unpair the remote

Unpair the remote by using the button

1.Delete all remote parings
Long press the ID learning button on the controller for 10 seconds, and then short press it for 6 times. When controller's indicator light flashes and then stays on, pairing removal is successful.

ID learning button →

2.Delete a single remote paring
Long press the ID learning button on the controller for 5 seconds then short press the ON/OFF button three times within 10 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.

Unpair the remote by powering on the controller

1.Delete a single remote paring
After powering on the controller, power it off, then power it on again. Press the ON/OFF button three times within 3 seconds. When the controller's indicator light flashes and then stays on, pairing removal is successful.

Indicator light status

• When the light turns on, the touch circle and the remote indicator light will be red.
• If there is no touch on the circle or no press on a button, the touch circle will enter the sleep state in 30s. You need to press any button to exit the sleep state.

Note: When you press the button and the LED light doesn't light up, it is because the battery is out of power. Please replace the battery in time.

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Transportation and Storage

1. Transportation

Products can be shipped via vehicles, boats and planes.

During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

2. Storage

The storage conditions should comply with the Class I Environmental Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

Attentions

• Please use in a dry indoor environment;

• When installing the battery, please connect the positive and negative terminal correctly. If the remote will not be used for a long period, take the battery out;

• When the remote distance is shorten and or the remote doesn't work frequently, please change the battery in time;

• Please carefully take it and put it down to prevent falls that cause damage;

• If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

✳ This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

• Warranty periods from the date of delivery: 5 years.

• Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

Following conditions are not within the guarantee range of free repairing or replacementservices:

• Beyond warranty periods;

• Any artificial damage caused by high voltage, overload, or improper operations;

• Products with severe physical damage;

• Damage caused by natural disasters and force majeure;

• Warranty labels and barcodes have been damaged.

• No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.

2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

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MINI LED遥控器

(单区)

CE FC RoHS

MINI系列LED遥控器采用RF 2.4GHz无线传输技术，控制距离（无障碍时）最远可达30米。

搭配P5控制器，一台控制器兼容5路输出，支持DIM/CT/RGB/RGBW/RGBCW五种灯具类型，一个遥控器在有效的控制范围内可控制无数个控制器，实现灯光开/关、亮度调节、调节色温和RGB静态色、动态模式效果、场景调用等功能，满足用户对不同灯光应用的需求。

如：调光遥控（M1A/M1B）带有亮度快捷功能，可一键切换亮度百分比；色温遥控（M2A/M2B）带有小夜灯功能，可一键切换低亮度；RGBW遥控（M4A/M4B）和RGBCW遥控（M5A/M5B）可通过模式键切换动态模式，亦可通过遥控器组合键的方式实现12种模式循环播放的效果。

技术参数

产品型号	M1A	M1B	M2A	M2B	M4A	M4B	M5A	M5B
产品颜色	白色	黑色	白色	黑色	白色	黑色	白色	黑色
调光类型	DIM		CT		RGBW		RGBCW	
无线类型	RF 2.4GHz							
工作电压	3Vdc（纽扣电池CR2032×1）							
待机电流	＜2uA							
遥控距离	30米（无障碍时）							
工作温度	-30℃~55℃							
产品重量	40克±10克							
规格尺寸	104×58×9mm (遥控器)， 108×63×14mm (遥控器+背托)							

产品尺寸

58mm 9mm 104mm

遥 控 器

63mm 14mm 78mm 108mm
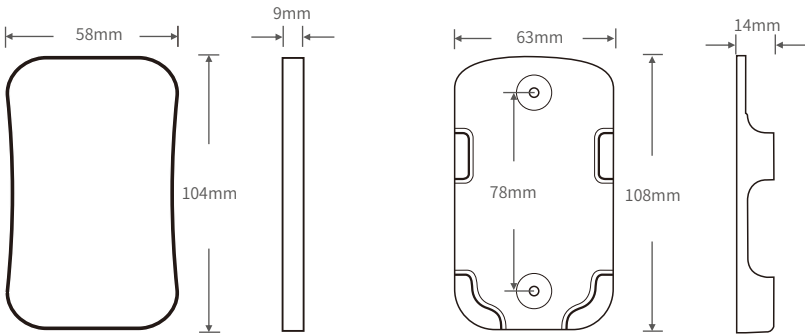
遥 控 器 背 托

产品安装
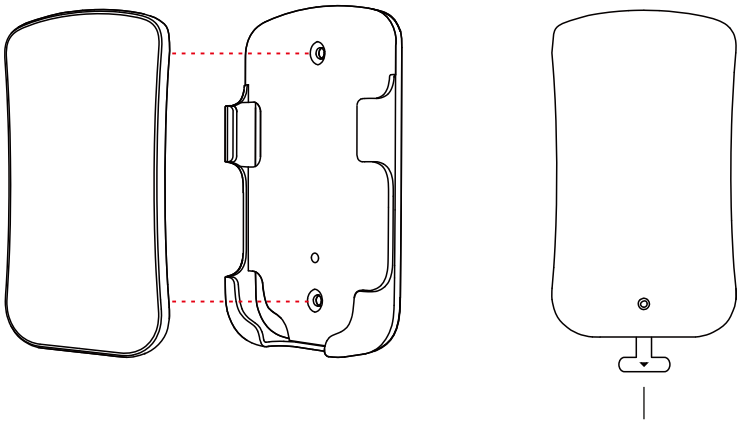
可以选择2种方式固定遥控器背托：
1. 用两个螺丝将遥控器背托固定在墙上。
2. 用3M胶将遥控器背托固定在墙上。

注意：首次使用前，请抽出电池绝缘片

按键功能

- **调光遥控器 M1A/M1B**
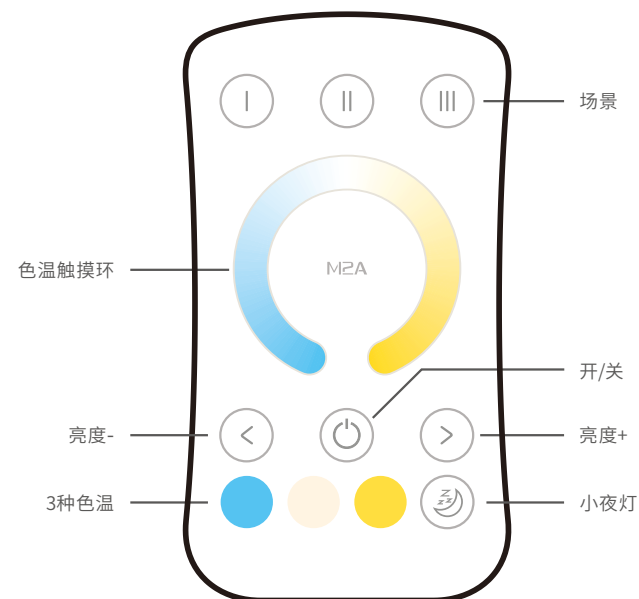
场景

亮度触摸环

开/关
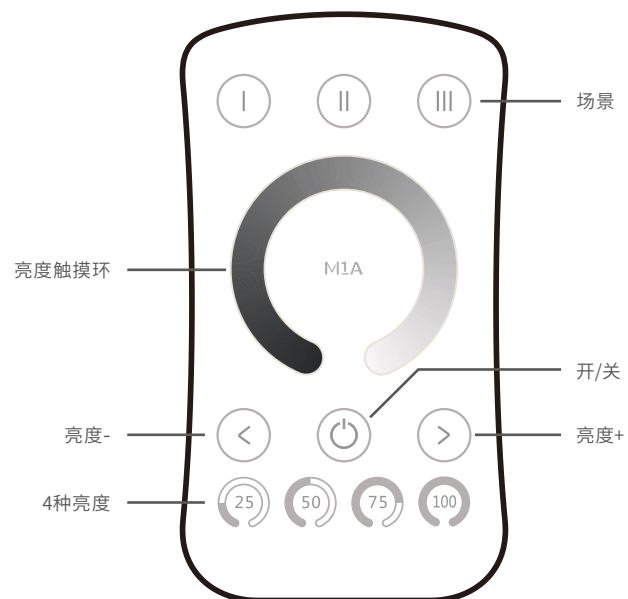
亮度-   亮度+

4种亮度

开/关： 开启或关闭灯光。

亮度触摸环： 触摸改变灯光的亮度。

亮度 +/-： 调节亮度。

4种亮度： 25%, 50%, 75%, 100%，4种亮度快捷键。

场景： 短按调用场景; 长按3秒将当前灯光状态保存到场景中。

- **色温遥控器 M2A/M2B**

场景

色温触摸环

开/关

亮度-   亮度+

3种色温   小夜灯

开/关： 开启或关闭灯光。

色温触摸环： 触摸改变灯光的色温。

小夜灯： 切换为低亮度，夜灯模式。

亮度 +/-： 调节亮度。

3种色温： 冷白、白光、暖光，3种色温快捷键。

场景： 短按调用场景; 长按3秒将当前灯光状态保存到场景中。

按键功能

- **RBGW遥控器　M4A/M4B**

场景

模式/速度
1、红黄渐变
2、红紫渐变
3、绿黄渐变
4、绿青渐变
5、蓝紫渐变
6、蓝青渐变
7、三色渐变: 黄紫青
8、六色渐变: 红紫蓝青绿黄
9、七色渐变: 红橙黄绿青蓝紫

触摸彩环

M4A

开/关

亮度-

亮度+

红/绿/蓝

R　G　B　W

白光
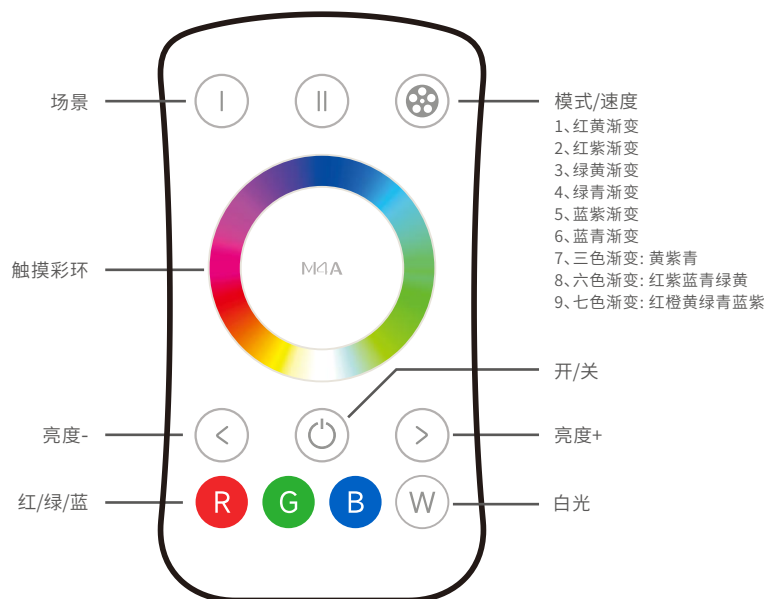
开/关: 开启或关闭灯光。

触摸彩环: 触摸RGB色环选色。
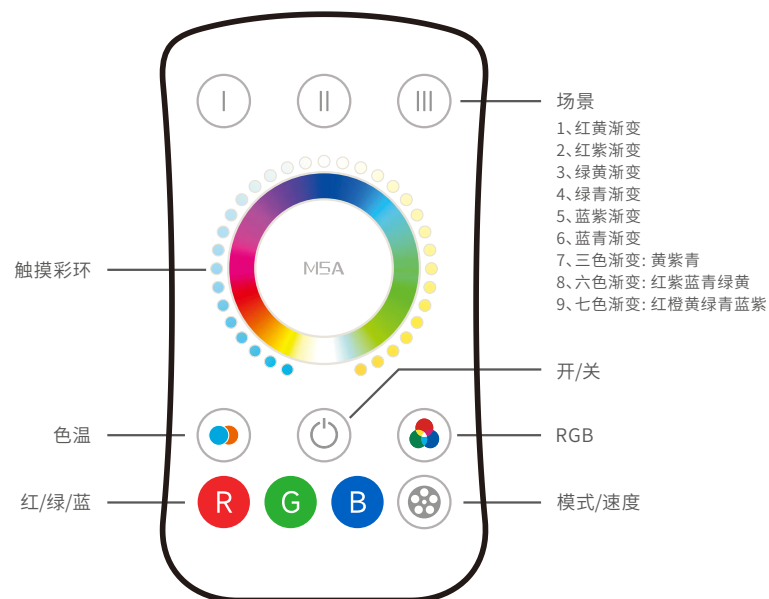
模式/速度: 短按切换动态模式；长按调节速度; 同时短按"R""W"键循环播放动态模式。

亮度 +/-: 调节亮度。

红/绿/蓝: 短按打开或关闭静态红色/绿色/蓝色通道；长按调节当前通道的亮度。

白光: 对于RGBW灯，短按打开或关闭W通道；长按调节W亮度。

场景: 短按调用场景；长按3秒将当前灯光状态保存到场景中。

- **RGBCW遥控器　M5A/M5B**

场景
1、红黄渐变
2、红紫渐变
3、绿黄渐变
4、绿青渐变
5、蓝紫渐变
6、蓝青渐变
7、三色渐变: 黄紫青
8、六色渐变: 红紫蓝青绿黄
9、七色渐变: 红橙黄绿青蓝紫

触摸彩环

M5A

开/关

色温

RGB

红/绿/蓝

R　G　B

模式/速度

开/关: 开启或关闭灯光。

触摸彩环: 触摸色温/RGB色环选色。

模式/速度: 短按切换动态模式；长按调节速度; 同时短按"R""⊛"键循环播放动态模式。

色温: 短按打开或关闭色温通道，触摸彩环切换为色温触摸环；长按调节当前色温的亮度。

RGB: 短按打开或关闭RGB通道，触摸彩环切换为RGB触摸环；长按调节当前颜色的亮度。

红/绿/蓝: 短按打开或关闭静态红色/绿色/蓝色通道；长按调节当前通道的亮度。

场景: 短按调用场景；长按3秒将当前灯光状态保存到场景中。

与P系列控制器搭配使用

有两种配对方式/删除方式可供用户选择。

ID学习键 —— P系列控制器

对码

方法一：按键对码

第1步：

短按控制器的ID学习键，负载灯闪烁，请在15秒内完成以下操作。

第2步：

长按开关键，直到控制器负载灯快闪。

第3步：

控制器负载灯快闪后停止闪烁，学习成功。

方法二：上电对码

第1步：

控制器断电。

第2步：

长按开关键，控制器上电后，直到控制器负载灯快闪。

第3步：

控制器负载灯快闪后停止闪烁，学习成功。

注：一台控制器最多可配对10个遥控器，配对超过10个遥控器将会自动删除最前面的遥控器ID码。

清码

按键清码方法：

1. 删除全部遥控方式
长按控制器ID学习键10秒，接着短按ID学习键6次，控制器负载灯闪烁后常亮，清码成功。

2. 删除单个遥控方式
长按控制器ID学习键5秒，10秒内短按开关键3次，负载灯闪烁后常亮，清码成功。

上电清码方法：

1. 删除单个遥控方式
控制器上电后断电，再次上电，3秒内短按开关键3次，负载灯闪烁后常亮，清码成功。

指示灯状态

• 灯开启时，触摸色环，遥控指示灯显示红色。

• 30秒后无触摸或按键操作，触摸环将进入睡眠状态，需按任意键退出睡眠状态。

注意：如果按下按键LED灯不亮，有可能是电池没电，请及时更换电池。

运输和贮存

1. 运输

产品适用车、船、飞机交通运输工具运输。

在运输中，应使用遮篷进行防雨和防晒，并保持文明装卸，不应有剧烈振动、撞击等。

2. 贮存

贮存符合I类环境的规定。贮存期限超过6个月的产品建议重新检验，合格后方可使用。

注意事项

• 限室内与干燥环境使用；

• 安装电池时，注意电池的正负极，长时间不使用遥控器，请取出电池；

• 当遥控距离变小或遥控频繁失效时，请及时更换电池；

• 应轻拿轻放，避免跌落造成损坏；

• 如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

＊ 本说明书的内容如有变更，恕不另行通知。若内容与您使用的功能有所不同，则以实物为准。如有疑问，请与供应商联系。

保修条例

• 自出厂之日起保修服务期为5年。

• 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例：

属下列情况不在免费保修或更换服务范围之内：

• 已经超出保修服务期；

• 过高电压、超负载、操作不当等人为造成的损坏；

• 产品外形严重损坏或变形；

• 自然灾害以及人力不可抗拒原因造成的损坏；

• 产品保修标签和产品唯一条形码损坏；

• 无雷特签订的合同或发票凭证。

1. 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿责任，除非在适用法律范围之内。

2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。