

# Operation manual of Magic Lantern APP

## 1.1 Overview

The Magic Lantern is a mobile app that controls the LED lamp belt through apple or Android mobile phone.

The traditional control ways like infrared, 433MHz, 2.4GHz and others old wired ways will be replaced by mobile phone control way with convenient, powerful and scalable features.

Through the mobile app, you can easily and quickly control the color, brightness and color temperature of the LED light belt. You can also set various flashing modes, and make the LED light belt move with the music rhythm. Just keep the LED light band powered on, turn on the mobile phone Magic Lotus lamp app intelligent control software, connect one or more LED light band controllers through Bluetooth, so as to realize various settings and control of multiple LED light bands. Operation is very simple, easy to learn and use.

## 1.2 Features

- Adjust color LED strips with 60,000 colors to change color and brightness and adjust monochrome LED strips to change brightness and color temperature
- Play mobile music or turn on a sound playback device, you can let the light change the color and brightness with the rhythm of music, the music rhythm beautiful
- Inside multiple setting mode for color change and control LED strips without mobile
- Long distance control with omni-directional antenna, and many-to-many group control mode
- Quick and easy automatic connection

### 1.3 Performance

Magic Lantern APP has good ease of use and compatibility. The actual testing and verification of hundreds of mobile phones is compatible with the current market.

Most smartphones. APP is small and convenient, it consumes less system resources, so the requirements of the mobile configuration are low. Control delay is small, the operation feel good, light control is smooth with people's visual sense.

## 2. Operating Environment

This APP program requires phones of system above Andriod 4.3 and iOS 8.0 Mobile phone configuration is not limited.

## 3. Instuctions

Note: Android version and iOS version download and use the same method, here in the Android version as an example.

### 3.1 APP Download

- Scan the QR code

iOS and Android systems can download the " Magic Lantern " APP by scanning the QR code. Open the browser or other tools with "Scan QR code" function, scan the " Magic Lantern " QR code as below:



After the software is installed and downloaded successfully,click apk to install.After the installation is complete,the following style of program icon will appear on the desktop.

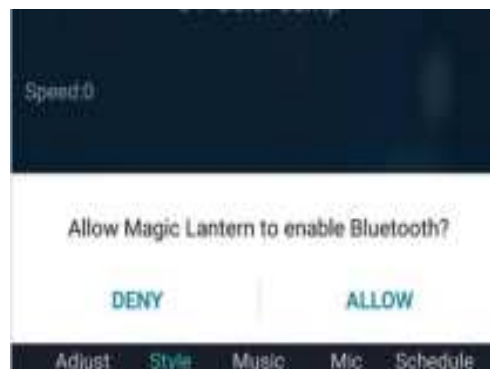


### 3.2 App Operation

- (1) Click on the Magic Lantern APP icon, enter the APP page:



(2) After entering the APP interface, if Bluetooth is not enabled, "Allow Magic Lantern to Bluetooth ?" Click [Allow]



(3) switch to color and brightness interface:

The image shows a smartphone app interface for controlling a lamp. The interface is dark-themed and features several key elements:

- Top Bar:** Contains a menu icon (three horizontal lines), a central status icon (four vertical bars), and a settings gear icon.
- Color Wheel:** A large, vibrant circular color wheel is the central focus, with a small green dot indicating the current color selection.
- RGB Values:** Below the color wheel, there are three small colored boxes (red, green, blue) displaying numerical values for R, G, and B.
- Brightness Slider:** A horizontal slider with a sun icon at the right end is positioned below the RGB values.
- Color Presets:** A row of six colored squares (blue, pink, purple, green, yellow, white) is located below the slider.
- Bottom Bar:** Features five icons with Chinese labels: '调色' (Color), '模式' (Mode), '音乐' (Music), '麦克风' (Microphone), and '定时' (Timer).

Annotations with arrows point to specific UI elements:

- Click to show the lamp list:** Points to the menu icon in the top left.
- Switch the color wheel:** Points to a small rainbow-colored circle in the top left.
- Click to display setting view:** Points to the settings gear icon in the top right.
- Lamp switch button:** Points to a blue and white toggle switch in the top right.
- Adjust the color:** Points to the green dot on the color wheel.
- Click square icon to adjust the color:** Points to a small square icon on the right side of the color wheel.
- Display the RGB value / Click to manual adjustment view:** Points to the RGB value display area.
- Click to shift the interface:** Points to the '调色' icon in the bottom bar.

(4) click to show the lamp list, view lamp list:

Bluetooth auto connect after search for devices

Lamp list

Status of device connection



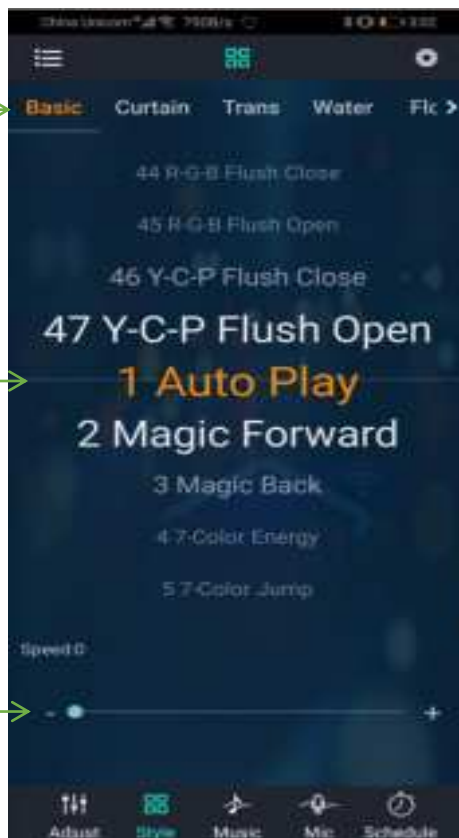
Device disconnected

(5) Click to RGB manual adjustment view:



(6) switch to the mode interface:

Pattern classification



Slide up and down to adjust the mode under the current category



Slide adjustment speed



(7) switch to the music rhythm interface:

Previous song, Pause/Play, Next song



Switch playback mode

Music List

(8) Switch to the microphone rhythm interface:

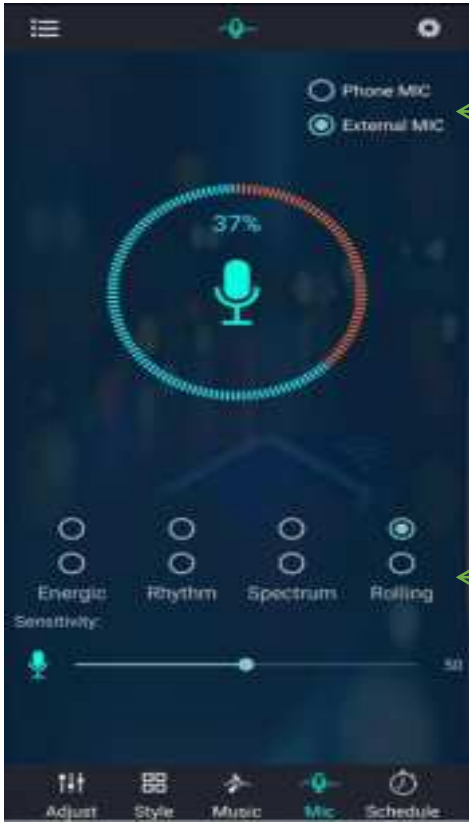
Music rhythm through cell phone microphone



Switch phone microphone and external microphone



Music rhythm through the microphone on the product



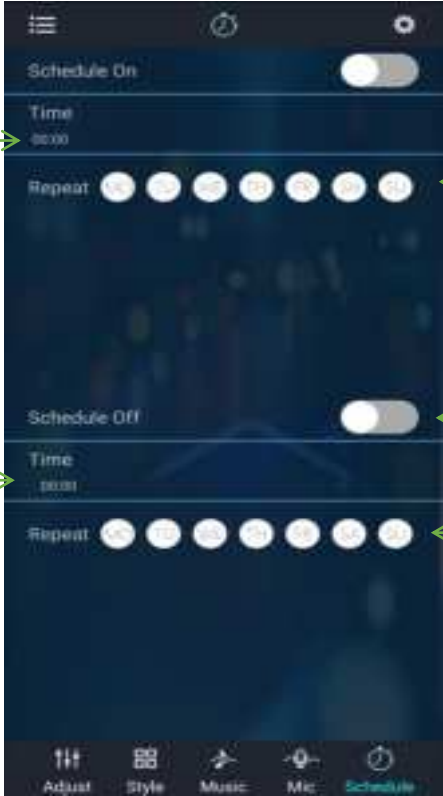
Switch phone microphone and external microphone

Set different rhythm

Change the sensitivity of MIC to match the sound

(9) Switch to the timing interface:

Set the time of Light-On



Timing Light-on button

Set the lighting cycle

Set the time of Light-Off

Timing Light-off button

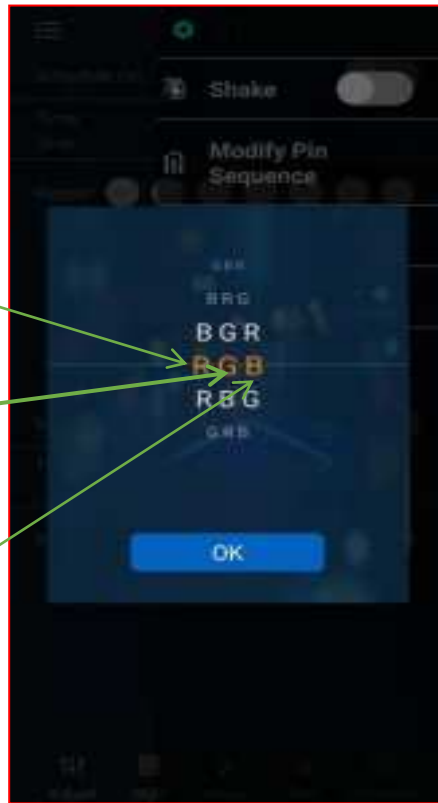
Set the light-off cycle

(10) Switch to the modify pin sequence interface:

Set red light

Set green light

Set blue light



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment