

Magicshine RAY 1600B

MagicShine RAY 1600B/RAY 2600B Bicycle Light Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your MagicShine RAY 1600B or RAY 2600B Bicycle Light. Please read this manual thoroughly before operating the device and retain it for future reference.



Image 1: MagicShine RAY 1600B Bicycle Light

2. WHAT'S IN THE BOX

Verify that all components are present upon unpacking:

- RAY 1600B or RAY 2600B Light Unit
- Handlebar Mount
- GoPro Adapter
- MJ-6508 Wireless Remote Control (including strap)
- Compatible Straps (4 sizes)
- 3mm Hex Key
- USB-C Cable
- User Manual



Image 2: Package Contents Diagram

3. SETUP AND INSTALLATION

3.1 Mounting the Light

1. Select the appropriate strap for your handlebar diameter (28mm, 31.8mm, or 35mm, including aero options).
2. Attach the handlebar mount to your bicycle's handlebar using the selected strap and the provided 3mm hex key. Ensure the mount is secure and stable.
3. Slide the RAY 1600B/2600B light unit onto the Garmin quarter-turn style mount until it clicks securely into place.
4. For alternative mounting, use the GoPro adapter to attach the light to compatible GoPro mounts.



Image 3: Universal Garmin Quarter-Turn Style Mount

3.2 Pairing the Wireless Remote Control

The wireless remote control allows for convenient operation without removing hands from the handlebars. Refer to the video below for detailed pairing instructions.

Video 1: Instructions on how to use the FTR LightSync Control system, including pairing the remote control with MagicShine lights.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Mode Selection

- **Power Button:** Press and hold the main power button on the light unit to turn it on or off.
- **Brightness Control:** Once on, short press the power button to cycle through different brightness levels. The light features up-down brightness control.
- **Wireless Remote:** Use the paired wireless remote to switch between modes and adjust brightness. A single push can activate full output mode.



Image 4: Wireless Remote Control in Use

4.2 Smart Features (via Magicshine App)

Customize lighting settings for various cycling scenarios through the Magicshine App. The app allows for:

- Customizing up to 20 modes.
- Enabling or disabling the built-in brightness/vibration sensor.



Image 5: MagicShine App Customization Interface

4.3 Battery Display

The light unit features an accurate battery display to monitor remaining power.

5. KEY FEATURES

- **High Power Output:** Equipped with two high-power LEDs, offering a maximum output of 1600 lumens (RAY 1600B) or 2600 lumens (RAY 2600B).

- **Optimized Beam Pattern:** Unique combination of close-range floodlight and far-reaching spotlight beam for comprehensive illumination.
- **Smart Control:** Customize settings via the Magicshine App and control with a wireless remote.
- **Integrated Sensors:** Built-in brightness/vibration sensor can be configured via the App.
- **Durable Construction:** Internal thermal management system coupled with aluminum housing ensures efficient heat dissipation and durability.
- **Waterproof Rating:** IPX6 waterproof rating ensures performance in various weather conditions.
- **Versatile Mounting:** Universal Garmin quarter-turn style mount for easy attachment and removal.
- **Wide Compatibility:** Fits 28mm, 31.8mm, and 35mm handlebars, including aero options.



Image 6: Double Lens System



Image 7: Aluminum Housing



Image 8: IPX6 Waterproof Rating

Video 2: Overview of the RAY 1600B and RAY 2600B bicycle lights, highlighting key features and usage scenarios.

6. MAINTENANCE

6.1 Charging

Charge the device using the provided USB-C cable. The light supports fast charging. An accurate battery display indicates the charging status and remaining power.



Image 9: USB-C Charging and Discharging

6.2 Cleaning and Storage

- Clean the light unit with a soft, damp cloth. Avoid abrasive cleaners.
- Store the light in a cool, dry place when not in use.

7. TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Connect to a power source using the USB-C cable.
- **Remote control not working:** Check if the remote is properly paired with the light unit. Refer to Section 3.2 for pairing instructions.
- **App connectivity issues:** Ensure Bluetooth is enabled on your smartphone and the light unit. Try restarting both the app and the light.

8. SPECIFICATIONS

Feature	Specification
Brand	Magicshine
Model	RAY 1600B / RAY 2600B
Max Output (RAY 1600B)	1600 Lumens
Max Output (RAY 2600B)	2600 Lumens

Feature	Specification
Power Source	Battery Powered
Water Resistance Level	IPX6 Waterproof
Material	Aluminum
Mounting Type	Handlebar Mount (Garmin quarter-turn style)
Number of Settings	10 (customizable via App)
Item Dimensions (LxWxH)	3.78 x 1.61 x 1.06 inches
Item Weight	0.35 Kilograms (approx. 12.3 oz)

9. WARRANTY AND SUPPORT

For any product inquiries, technical support, or warranty claims, please contact Magicshine customer service.

- **Email Support:** amazon@magicshine.com
- **Mobile App:** Download the Magicshine APP from the iOS App Store or Android Play Store for free to access advanced features and support resources.



Image 10: Support Information