

Magene AT1200

Magene AT1200 Smart Bike Headlight User Manual

1. INTRODUCTION

Thank you for choosing the Magene AT1200 Smart Bike Headlight. This manual provides essential information for the proper installation, operation, and maintenance of your device. Please read it thoroughly before use to ensure optimal performance and safety.

The Magene AT1200 is a high-performance smart bike headlight designed to enhance visibility and safety during cycling. It features 1200 lumens of brightness, a wide beam angle, and smart connectivity options with bike computers and a dedicated mobile application.

2. WHAT'S IN THE BOX

Carefully unpack your Magene AT1200 Smart Bike Headlight and ensure all items are present:

- Magene AT1200 Front Light
- Bracket (for above handlebar installation)
- Hanging Bracket (for below handlebar installation)
- Decorative Cover
- Type-C to Type-C Charging Cable
- Slotted Screwdriver
- Screws (x3)
- Lanyard
- Torx Wrench



Figure 2.1: Included Components

Video 2.1: Magene AT1200 Unboxing Overview. This video demonstrates the unboxing process and showcases all the items included in the package.

3. INSTALLATION

The Magene AT1200 headlight supports two installation methods: above handlebar and under handlebar. Choose the method that best suits your bike setup.

3.1 Above Handlebar Installation

1. Secure the fixing strap of the bracket to your bike's handlebar.
2. Tighten the nut on the bracket until it is firmly attached.
3. Slide the buckle at the bottom of the headlight into the chute of the bracket. You will hear a "click" sound when it is securely in place.
4. Adjust the headlight angle to your desired position for optimal illumination.

3.2 Under Handlebar Installation

1. Using the provided screwdriver, open the decorative cover on the headlight.
2. Unscrew the rear base with the Torx wrench and install it to the opposite side. Then tighten the screws.
3. Install the decorative cover back into the original base position.
4. Insert the headlight into the ceiling mounting bracket (sold separately or included in some bundles). You will hear a "click" sound when it is securely in place.
5. Adjust the headlight angle to your desired position.

Video 3.1: Headlight Installation Guide. This video provides a step-by-step demonstration of how to install the Magene AT1200/AT1600 headlight on your bike, covering both above and under handlebar mounting options.

4. OPERATION

4.1 Unlocking the Headlight

The headlight is in lock mode before its first use. To unlock:

- Press the power button 3 times continuously until the power indicator blinks green. This indicates the device is unlocked and ready for use.

4.2 Power On/Off and Mode Switching

- **To Power On:** Press the power button for 1 second. The indicator light will be on for 3 seconds to show the current battery level.
- **To Switch Modes:** Single-click the power button to cycle through the available light modes.
- **To Power Off:** Press and hold the power button for 2 seconds.

4.3 Locking Mode

Under normal circumstances, the AT headlight will stop broadcasting Bluetooth and ANT+ signals 2 minutes after turning off the light. This function can be modified in the OnelapFit APP.

If you wish to manually turn off the headlight broadcast, you need to enter the locking mode:

- In the off-light state, press the power button 3 times continuously to enter the locking mode.

5. SMART FEATURES AND CONNECTIVITY

The Magene AT1200 offers advanced smart features through connectivity with bike computers and the OnelapFit APP.

5.1 Bike Computer Control

Magene bike computers (models above 5 series) can directly control the headlight on the riding page. This allows for convenient switching of modes, turning on the SOS alarm, and checking battery level and battery life during your ride. The AT headlights support the ANT+ standard headlight protocol and can be connected to bike computers from other brands that support this protocol (e.g., Garmin Edge 530/540/840/1040/1050 series). Specific functions may vary according to different bike computers.



Figure 5.1: Garmin Edge Compatibility



Figure 5.2: Magene Bike Computer Compatibility

5.2 Smart Assistant

Magene bike computers (models above 5 series) can automatically control the on/off or mode switching of the headlight through the "Smart Assistant" feature. This supports multiple trigger conditions, such as local time, riding status, and more, allowing for automated light adjustments based on your ride conditions.

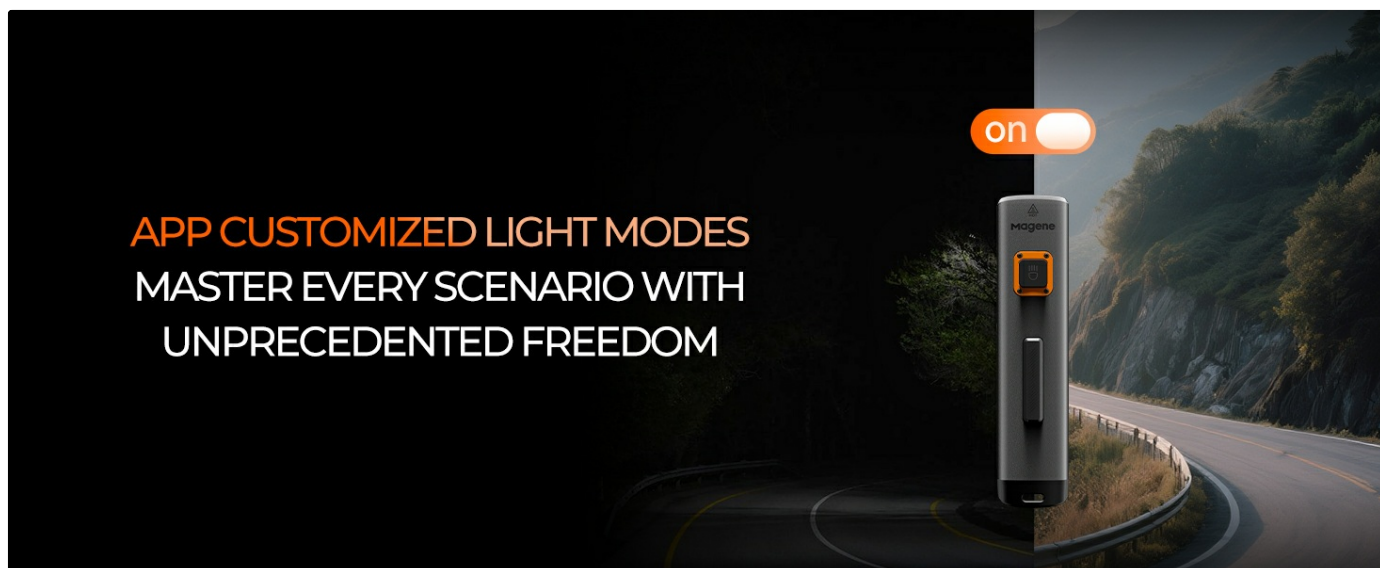


Figure 5.3: Smart Assistant in OnelapFit App

6. CHARGING AND EXTERNAL DISCHARGE

6.1 Charging the Headlight

The Magene AT1200 headlight charges in approximately 2.5 hours via its Type-C port. Use the provided Type-C to Type-C charging cable or a compatible Type-C cable for charging.

6.2 External Discharge (Power Bank Function)

The AT1200 headlight supports external discharge, allowing it to charge other devices such as bike computers, mobile phones, and action cameras. Simply use the Type-C to Type-C charging cable to connect the headlight to the device you wish to charge.

7. CUSTOMIZED LIGHT MODE SETTINGS

You can customize the light modes of your Magene AT1200 headlight using the OnelapFit APP. Connect the AT headlight to the OnelapFit APP to view headlight information, control the headlight, and customize its light modes.

The AT headlights can customize three main light modes: "Always On", "Flash", and "Breathe".

7.1 Always On Mode

In the OnelapFit APP, navigate to the headlight settings. For the "Always On" mode, you can set the desired brightness (lumens). Click "Preview in Headlight" to see the effect before saving.

7.2 Flash Mode

The flashing mode offers two options: "Repeated Flashing" and "Interval Flashing".

- **Repeated Flashing:** You can set the flash duration and brightness range for a consistent flashing pattern.
- **Interval Flashing:** This allows you to add multiple light mode intervals to achieve complex light information transmissions, such as custom SOS signals.

7.3 Breathe Mode

For the "Breathe" mode, you can set the breathing duration and brightness range, creating a pulsating light effect.

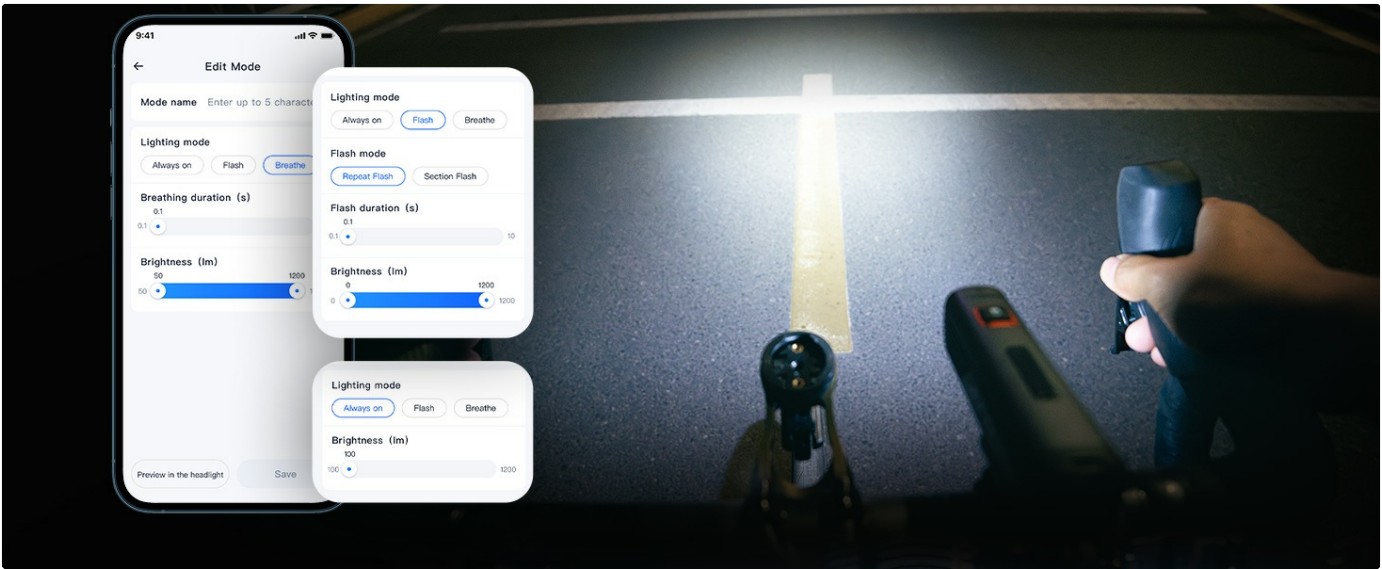


Figure 7.1: App Customized Light Modes

8. SPECIFICATIONS

Feature	Detail
Brand	Magene
Model Number	AT1200
Light Output Maximum	1200 Lumens
Beam Angle	120°
Maximum Range	Up to 200m
Battery Life	Up to 85 hours (Night Flash mode)
Charging Time	2.5 hours (via Type-C)
Power Source	Battery Powered
Water Resistance Level	IPX6 Waterproof
Material	Aluminum
Item Weight	5.64 Ounces
Mounting Type	Handlebar Mount
Number of Settings	9 (including 6 preset modes)

9. MAINTENANCE

- **Cleaning:** Wipe the headlight with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The device is IPX6 waterproof, meaning it is protected against high-pressure water jets from any direction. However, avoid submerging it in water. Ensure the Type-C port cover is securely closed to maintain water resistance.
- **Storage:** Store the headlight in a cool, dry place when not in use. If storing for an extended period, charge the

battery periodically to maintain its health.

10. TROUBLESHOOTING

- **Light Not Turning On:** Ensure the headlight is unlocked (press power button 3 times until green indicator blinks). Check battery level and charge if necessary.
- **Connectivity Issues:** Ensure Bluetooth and ANT+ are enabled on your bike computer or smartphone. Make sure the headlight is not in locking mode. Try re-pairing the device.
- **Overheating:** The intelligent temperature control system will reduce brightness if the device overheats to protect internal components. This is normal operation. Allow the light to cool down.
- **Light Randomly Turns Off:** Some users have reported this. Ensure the auto-off setting (if available) is configured as desired in the OnelapFit APP. If the issue persists, contact customer support.

11. WARRANTY AND SUPPORT

The Magene AT1200 Smart Bike Headlight comes with a 1-Year Manufacturer Warranty. For warranty claims or technical support, please contact Magene customer service through their official website or the retailer where you purchased the product.

For additional resources and FAQs, visit the [Magene Store on Amazon](#).

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