

# AT S SERIES SMART BIKE HEADLIGHTS

To begin, unlock the device by pressing the button three times consecutively.

## **\*Warning: Risk of High-Temperature Burns and Fire Hazard**

- The light housing may become extremely hot in high-brightness mode. Do not touch the housing directly.
- Children must use this product under adult supervision.
- Always use the light in an open, well-ventilated area.
- Never cover the light while in use or allow it to contact flammable materials.
- This product must only be used when securely mounted to a bicycle. Never hold it in your hand or use it for any other purposes to prevent injury.

## In the Box

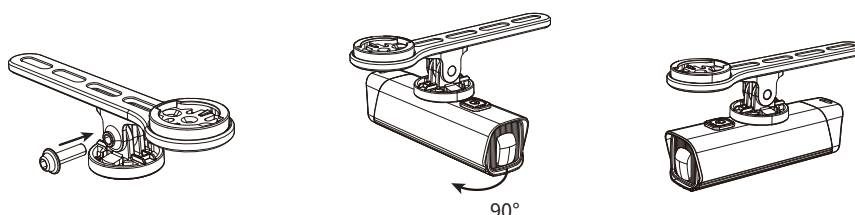
- Headlight \*1
- Under Mount Adapter \*1
- Hex Key \*1
- Lanyard \*1
- Screw \*4

## Device Installation Guide

### Under Handlebar Installation

The AT S Series Smart Bike Headlights require a bike computer mount for underside installation, which is sold separately.

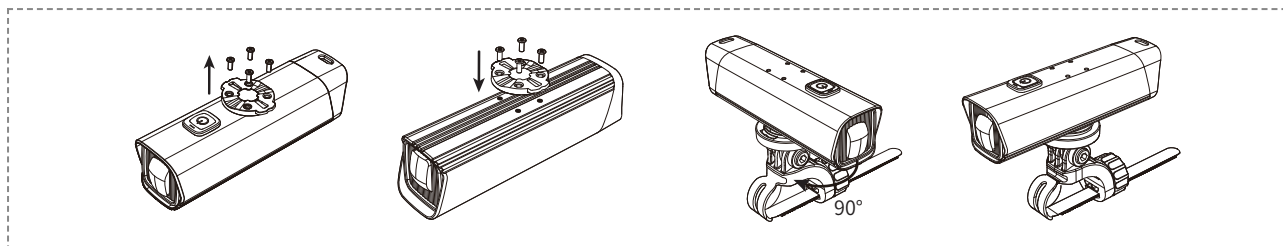
- Secure the Under Mount Adapter beneath your computer mount and tighten the screw to complete the installation.
- Align the bike light with the Under Mount Adapter and rotate to lock it into place.
- Installation Complete.



## Above Handlebar Installation

The top mount is not included and must be purchased separately.

- Use a Phillips screwdriver to remove the screw on the top mount.
- Align the mounting base with the front mount screw holes and secure it.
- Place the light onto the mount and rotate to secure it.
- Installation Complete.



## Light Modes

### AT1200 S

| Mode               | Low | Medium | High | Day Flash | Night Flash | Pulse    |
|--------------------|-----|--------|------|-----------|-------------|----------|
| Brightness (lm)    | 300 | 800    | 1200 | 600 / 0   | 200 / 0     | 300 / 50 |
| Battery Life (hrs) | 7.5 | 3      | 2    | 28        | 100         | 14       |

### AT1600 S

| Mode               | Low | Medium | High | Day Flash | Night Flash | Pulse    |
|--------------------|-----|--------|------|-----------|-------------|----------|
| Brightness (lm)    | 300 | 800    | 1600 | 600 / 0   | 200 / 0     | 300 / 50 |
| Battery Life (hrs) | 7.5 | 1.5    | 1.5  | 28        | 100         | 14       |

\* The data of battery life is measured according to the ANSI/NEMA FL 1-2009 standard. Testing is conducted under indoor conditions at a temperature of 25°C and a wind speed of 25 km/h. Actual battery life may vary depending on temperature and ventilation conditions.

## Instruction

### Basic Controls

- For first use, press the button three times consecutively to unlock the device.
- To ensure accurate power monitoring, fully charge the battery to 100% each time. This helps calibrate the battery monitoring system and improves the accuracy of the remaining runtime shown in OnelapFit app.
- Mode Memory: The light will reactivate in the last used mode when powered on.

| Button Operation                     | Function              |
|--------------------------------------|-----------------------|
| Press and hold for 1 second          | Turn the light On/Off |
| Single press                         | Switch light mode     |
| Press 3 times consecutively when off | Lock/Unlock the light |

| Status                                                                              | LED            | Meaning                 |
|-------------------------------------------------------------------------------------|----------------|-------------------------|
| Indicator lights up for 3 seconds after turning on indicating current battery level | Green Light    | Battery Level > 60%     |
|                                                                                     | Red Light      | Battery Level 20% - 60% |
|                                                                                     | Red Flashing   | Low Battery (< 20%)     |
| Charging                                                                            | Green Flashing | Charging                |
|                                                                                     | Green Light    | Fully Charged           |

## Temp Control

The AT S Series Smart Bike Headlights feature an intelligent temperature control system that automatically reduces brightness in case of overheating to protect the device and extend its lifespan.

## Intelligent connection with bike computer

AT series headlights support ANT+ standard protocol, connection to bike computer, can realize the intelligent control of the lights in the ride, open the SOS mode (part of bike computer support) and other functions.

If the light cannot connect to your phone/bike computer, or smart control commands fail to execute, try the following:

- Ensure the light is unlocked (Press the button three times consecutively to toggle between locked and unlocked states).
- Gently shake the light and try again.

The AT S Series headlight can connect to the OnelapFit app via Bluetooth to customize 10 light modes, set automated light controls, update firmware, and access other functions.

## Specifications

|                             | AT 1200S                      | AT 1600S |
|-----------------------------|-------------------------------|----------|
| Dimensions                  | 114.9*29.4*34.2mm             |          |
| Weight                      | 165g                          |          |
| Model                       | P0129422                      | P0129423 |
| Max Brightness              | 1200lm                        | 1600lm   |
| Battery Capacity            | 5000mAh                       |          |
| Charging Voltage/Current    | DC 5V, 2A                     |          |
| Operating Temperature Range | -10°C~ 45°C (14°F~113°F)      |          |
| Charging Temperature Range  | 0°C~45°C (32°F~113°F)         |          |
| Frequency Range             | BLE:2402-2480MHz,ANT+:2457MHz |          |
| MAX EIRP                    | 1mW                           |          |

## Warranty Terms

Thank you for purchasing a Magene product. Please read the following terms carefully to ensure that the product is covered by a valid warranty.

### Warranty Coverage

- This product has passed strict quality inspection. Under normal use, if a failure occurs due to product quality issues within the warranty period, we provide free warranty service.
- The main unit has a warranty period of 12 months from the purchase date; other accessories have a 3-month warranty.
- Warranty returns must use original packaging and designated logistics. Otherwise, the customer shall bear shipping costs or losses caused during transportation.

### Exclusions from Warranty

- Exceeding the valid warranty period.
- Damage due to improper use, maintenance, or storage; damage caused by not following the user manual.
- Unauthorized repairs, misuse, collision, negligence, abuse, liquid ingress, accidents, modification, or use of non-original accessories.
- Lack of an electronic warranty card or valid invoice.
- Product number or code on the electronic warranty card not matching the physical product.
- Failures or damages not caused by design, manufacturing, or quality issues of the product itself.

- Normal wear and tear (e.g., scratches), dirt, or damage caused by chemicals, sharp objects, drops, or external pressure.
- Damage caused by force majeure.

### After-Sales Service Period

- The company provides lifetime after-sales service for the product.
- For repairs conducted after the warranty period has expired, whether for product malfunctions or damage caused by human factors, only labor and replacement parts fees will be charged.

Customers must provide accurate name and contact information when sending the product for repair, so the service center can notify timely pickup.

*The company reserves the right to modify and interpret the above terms.*

## Battery Warning

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If the following potential hazards are not observed, it may result in serious injury or even death.

This product uses a rechargeable lithium battery. Failure to comply with the following guidelines may lead to a shortened battery lifespan, device damage, fire, chemical burns, electrolyte leakage, and the risk of injuries.

- Do not dismantle, modify, puncture, squeeze, or damage the battery to avoid potential hazards.
- Do not expose the device and battery to flames, explosions, or other hazards.
- Do not place the device in high-temperature environments, such as inside a dryer or under direct sunlight in a car.
- Do not immerse the battery in water or any other liquids.
- Avoid frequent overcharging.
- Do not charge the battery in the vicinity of a heat source or under extremely hot conditions.
- Charge the battery strictly following the charging requirements to prevent potential dangers due to excessive current.
- If the product is not used for an extended period, charge the battery to full capacity before storage to extend the battery's lifespan.

## Recycling / Licenses

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### WEEE (Waste Electronic Electric Equipment) European Directive 2012/19/EU

This symbol on the product or on its packaging indicates that this product must not be disposed of with your household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

## Batteries

Used batteries should not be disposed of in the domestic waste. Dispose of your batteries in the collection containers specific for this purpose in retail stores.

## CE Declaration of Conformity

Hereby, Qingdao Magene Intelligence Technology Co., Ltd. declares that this product is in compliance with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://magenefitness.com/certificate.html>

## UKCA Declaration of Conformity

Hereby, Qingdao Magene Intelligence Technology Co., Ltd. declares that this product is in compliance with The Radio Equipment Regulations 2017. The full text of the declaration of conformity is available at the following internet address: <https://magenefitness.com/certificate.html>

## FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

## RF exposure warning:

This equipment complies with radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with Minimum distance 20cm between the radiator and your body.

**IC Statement:**

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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Execution Standard: Q/MG 03012

Made in China