

NATFIRE A07

NATFIRE A07 Smart Bike Tail Light User Manual

Model: A07

1. INTRODUCTION

Thank you for choosing the NATFIRE A07 Smart Bike Tail Light. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new tail light. Please read this manual thoroughly before use to ensure optimal performance and safety.

The NATFIRE A07 is designed to enhance your cycling safety with its advanced features, including smart brake sensing, USB-C recharging, and multiple lighting modes. Its robust, weather-resistant design ensures reliable performance in various conditions.

2. SAFETY INFORMATION

- Always ensure the tail light is securely mounted before riding.
- Do not look directly into the light when it is on, as it may cause temporary vision impairment.
- Keep the device away from children.
- Do not disassemble or attempt to repair the light yourself. Contact customer support for assistance.
- Ensure the USB-C port cover is properly sealed after charging to maintain water resistance.
- This light is designed to increase visibility; it does not replace the need for safe cycling practices.

3. PACKAGE CONTENTS

Please check the package for the following items:

- NATFIRE A07 Smart Bike Tail Light
- Mounting Bracket (Slant or Seat Bracket, depending on variant)
- Silicone Strap (for Slant Bracket)
- USB-C Charging Cable

- User Manual

4. PRODUCT OVERVIEW

The NATFIRE A07 Smart Bike Tail Light features a compact design with advanced functionalities to enhance your visibility on the road.

Key Features:

- **Smart Brake Sensing:** Automatically detects deceleration and activates a brighter brake light.
- **USB-C Rechargeable:** Convenient and fast charging.
- **800mAh Battery:** Provides extended operating time.
- **100LM Ultra Bright:** High visibility output.
- **IPX5 Waterproof:** Resistant to water splashes from any direction.
- **Versatile Mounting:** Supports both horizontal and vertical installation.
- **Automatic Sleep/Wake-up:** Conserves battery by entering sleep mode when stationary and waking up upon movement.

Components:

Refer to the image below for a visual representation of the tail light's components.



Figure 1: NATFIRE A07 Tail Light with USB-C port and mounting base.

The tail light unit includes a power button on the top, a USB-C charging port on the side, and a mounting interface on the bottom for attaching to the bracket.

Smart Brake Tail Light

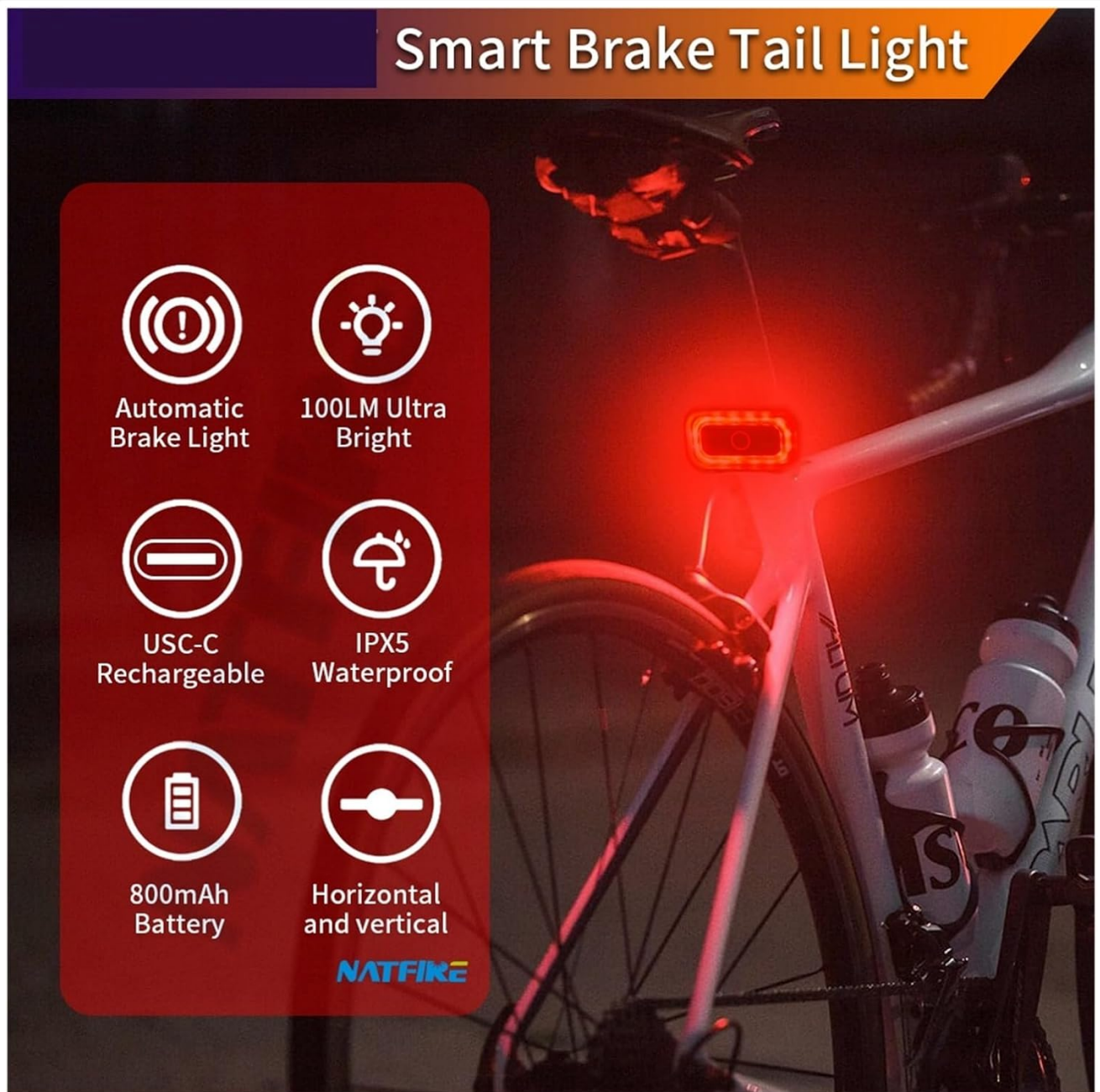


Figure 2: Key features of the NATFIRE A07 Tail Light.

This image illustrates the primary features of the A07 tail light, including its automatic brake light function, high brightness, USB-C charging capability, water resistance, battery capacity, and flexible mounting options.

5. CHARGING

Before first use, fully charge the NATFIRE A07 tail light.

1. Locate the USB-C charging port on the side of the tail light.
2. Open the rubber cover protecting the USB-C port.
3. Connect the provided USB-C cable to the tail light and the other end to a USB power source (e.g., computer, wall adapter).
4. The indicator light will show charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the cable and securely close the rubber cover to maintain water resistance.

6. SETUP AND INSTALLATION

The NATFIRE A07 offers flexible installation options for various bicycle setups.

SIMPLE STEPS, EASY INSTALLATION

Slant bracket installing instruction



Seat Bracket installing instruction



Figure 3: Installation methods for the A07 Tail Light.

This image details two primary installation methods: using a slant bracket with a silicone strap for the seatpost, and a seat bracket for mounting under the saddle rails.

6.1. Slant Bracket Installation (for Seatpost)

1. Attach the silicone strap to the seatpost.
2. Fasten the silicone strap securely around the seatpost.
3. Install the tail light onto the base of the slant bracket.
4. The light can be installed horizontally or vertically on the bracket.

6.2. Seat Bracket Installation (for Saddle Rails)

1. Buckle the strap of the seat bracket, fixing it onto the seat rail track.
2. Install the tail light onto the bracket.

3. The light can be installed horizontally or vertically on the bracket.

7. OPERATING INSTRUCTIONS

The NATFIRE A07 features intuitive controls for power and mode selection.



Figure 4: NATFIRE A07 Light Modes and Smart Functions.

This diagram illustrates the various operational modes and smart features of the A07 tail light, including how brake sensing, automatic sleep, and auto wake-up functions work, along with the available running light modes.

7.1. Power On/Off

- **To Power On:** Press and hold the power button (located on the top of the light) for approximately 2 seconds.
- **To Power Off:** Press and hold the power button for approximately 2 seconds.

7.2. Mode Selection

With the light powered on, short press the power button to cycle through the available lighting modes:

- **Running Light Mode 1:** Standard steady light.
- **Running Light Mode 2:** Another steady light pattern or intensity.
- **Double Flashing:** A distinct flashing pattern for increased visibility.

7.3. Smart Functions

- **Automatic Brake Light:** When the light detects deceleration (braking), it will automatically switch to a brighter strobe for approximately 5 seconds to alert following traffic.
- **Automatic Sleep:** If the light is on and no movement is detected for a period (e.g., when you stop cycling), it will enter a sleep mode to conserve battery.
- **Auto Wake Up:** When movement or shock is detected while in sleep mode, the light will automatically turn on and resume its last active mode.

8. MAINTENANCE

- **Cleaning:** Wipe the light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the light in a cool, dry place when not in use. For long-term storage, charge the battery every 3-6 months to prolong its lifespan.
- **Water Resistance:** Ensure the USB-C port cover is always securely closed to maintain the IPX5 water resistance rating.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	Low battery Power button not pressed correctly	Charge the light fully Press and hold the power button for 2 seconds
Light does not charge	Faulty cable or power source USB-C port obstructed	Try a different USB-C cable and power source Check the USB-C port for debris
Brake sensing not working	Light not securely mounted Sudden deceleration not detected	Ensure the light is firmly attached to the bracket and bike Brake sensing activates with significant deceleration, not minor speed changes
Auto sleep/wake-up not functioning	Constant minor vibrations Feature disabled (if applicable)	Ensure the bike is completely stationary for auto-sleep to activate Refer to operating instructions for feature activation

10. SPECIFICATIONS

- **Model:** A07
- **Manufacturer:** YHNNH

- **Battery Capacity:** 800mAh
- **Brightness:** 100 Lumens (LM)
- **Charging Port:** USB-C
- **Waterproof Rating:** IPX5
- **Weight:** Approximately 50 g
- **Dimensions:** Approximately 1 x 1 x 1 cm (Parcel Dimensions, actual product may vary slightly)
- **Mounting:** Horizontal and Vertical

11. WARRANTY AND SUPPORT


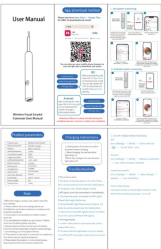

The NATFIRE A07 Smart Bike Tail Light comes with a standard manufacturer's warranty. Please refer to the product packaging or contact your retailer for specific warranty terms and conditions.





For technical support, troubleshooting assistance, or warranty claims, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.



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Related Documents - A07

	<p>NATFIRE HS50 LED Headlamp User Manual - Features, Specifications, and Operation Guide</p> <p>Detailed user manual for the NATFIRE HS50 LED Headlamp, covering its parameter description, operating instructions, lighting modes, low voltage warnings, overheat protection, technical specifications, and charging procedures.</p>
	<p>Wireless Visual Earpick User Manual - NATFIRE</p> <p>Comprehensive user manual for the NATFIRE Wireless Visual Earpick. Learn how to download the app, connect via Wi-Fi (iOS/Android), understand product specifications, charging, and troubleshoot common issues.</p>
	<p>Mings MET-A07 Onboard Preamp User Guide</p> <p>User guide for the Mings MET-A07 Onboard Preamp, detailing quick start instructions, control functions, and technical specifications.</p>

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