

RAVEMEN NT101

RAVEMEN NT201 Radar Tail Light Instruction Manual

Model: NT101

Brand: RAVEMEN

1. INTRODUCTION

Thank you for choosing the RAVEMEN NT201 Radar Tail Light. This device is designed to enhance your cycling safety by providing advanced radar detection and high-visibility lighting. Please read this manual thoroughly before use to ensure proper installation, operation, and maintenance.

Key Features:

- **80 Lumens High Visibility:** Clearly visible up to 1.6 km away, ensuring you are seen by vehicles.
- **Smart Radar Monitoring:** Detects rear vehicles up to 140 meters with a 40° coverage angle. Compatible with mainstream ANT+ cycle computers for visual and audible alerts.
- **Brake Light Alert:** Automatically brightens for 2 seconds upon braking to warn following vehicles.
- **Automatic On/Off:** Turns off after 2 minutes of inactivity and automatically turns on when motion is detected.
- **6 Light Modes:** High, Low, Slow Flash, Warning Flash, Daytime Warning, and Pulse modes for various riding conditions.
- **Easy Installation:** Securely mounts on round and aero seat posts (max 4.5 cm width) and saddle rails.

2. PACKAGE CONTENTS

Please check the box for the following items:

- NT101 Radar Tail Light x1
- Wireless Switch x1
- USB-C Charging Cable x1
- User Manual/Warranty Card x1
- ABM15 Mount x1 (for seat post)
- ABM16 Mount x1 (for saddle rail)



Image: Contents of the RAVEMEN NT201 package, including the tail light, mounts, cables, and manual.

3. SETUP & INSTALLATION

Mounting Options:

The NT201 offers flexible mounting for various bicycle setups:

- **Seat Post Mount (ABM15):** Suitable for round and aero seat posts with a maximum width of 4.5 cm.
- **Saddle Rail Mount (ABM16):** For direct attachment to the saddle rails.

Opciones de montaje flexibles



Image: Demonstrates the flexible mounting options for the RAVEMEN NT201, showing installation on both a seat post and saddle rails.

Installation Steps:

1. Choose the appropriate mount (ABM15 for seat post, ABM16 for saddle rail) based on your bicycle's design.
2. Securely attach the chosen mount to your bike. Ensure it is tight and stable.
3. Slide the NT201 Radar Tail Light onto the mount until it clicks into place.
4. Ensure the tail light is positioned vertically and facing directly backward for optimal radar performance. Avoid any obstructions that might block the radar's view.

4. OPERATING INSTRUCTIONS

Power On/Off:

- **To Power On:** Press and hold the power button for 2 seconds.
- **To Power Off:** Press and hold the power button for 2 seconds.

Mode Switching:

With the device powered on, short press the power button to cycle through the 6 available light modes:

- High Light (80 lumens)
- Low Light
- Slow Flash
- Warning Flash (80 lumens, up to 16 hours)
- Daytime Warning
- Pulse Mode



Image: Visual representation of the 6 distinct light modes available on the RAVEMEN NT201 tail light.

Radar Functionality & Alerts:

The NT201's intelligent radar monitors traffic behind you up to 140 meters away with a 40° detection angle. When connected to a compatible ANT+ cycle computer, you will receive both visual and audible alerts for approaching vehicles.

Alertas visuales y auditivas

Transmite al instante los datos del tráfico trasero a tu ciclocomputador con alertas sonoras



Image: A cyclist's view of a cycle computer displaying visual and audible alerts from the NT201 radar, indicating approaching vehicles.



Montaje del riel del sillín

Montaje de la tija del sillín
(compatible con tijas de sillín de <4,5 cm)

Image: An aerial view of a road illustrating the NT201's 40-degree blind spot coverage and 140m detection range for vehicles.

Brake Light & Auto On/Off:

- **Brake Light:** The light automatically brightens for 2 seconds when it detects braking, providing an additional safety warning.
- **Auto On/Off:** The light will automatically turn off after 2 minutes of no movement and reactivate when motion is detected, conserving battery life.

Detección inteligente de frenos

Se ilumina automáticamente durante 2 segundos al frenar, alertando a los conductores que van detrás y reduciendo las colisiones traseras



Image: A cyclist braking, with the NT201 tail light illuminating brightly to signal deceleration to following traffic.

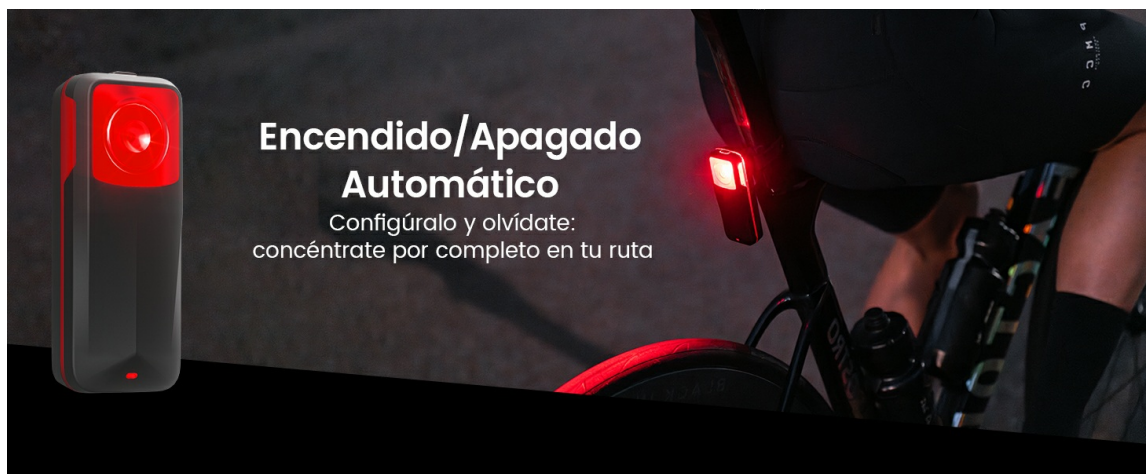


Image: A visual representation of the NT201's automatic on/off feature, highlighting its convenience and battery-saving capability.

Battery Level Check:

When the tail light is off, a single short press of the power button will display the current battery level.

Rendimiento duradero

Comprobación de potencia instantánea con un solo clic.
Diseñado para ciclistas que nunca quieren reducir
la velocidad, con una autonomía de hasta 23 h



Image: The NT201 tail light glowing with a '23 hrs' indicator, signifying its long-lasting battery performance and instant power check feature.

5. MAINTENANCE

Charging:

- Use the provided USB-C charging cable to charge the device.
- Connect the USB-C end to the tail light and the USB-A end to a power source (e.g., computer, USB wall adapter).
- The indicator light will show charging status. Refer to the full user manual for specific indicator behaviors.

Cleaning & Storage:

- Clean the device with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.
- Store the tail light in a cool, dry place when not in use.
- For long-term storage, charge the battery to approximately 50% every 3-6 months to maintain battery health.

6. TROUBLESHOOTING

- **Device not turning on:** Ensure the battery is charged. If fully charged, try resetting the device by holding the power button for 10 seconds.
- **Radar not detecting vehicles:** Check that the tail light is mounted vertically and facing backward without obstruction. Ensure your ANT+ cycle computer is properly paired and configured.
- **Short battery life:** Ensure the device is fully charged. Check the selected light mode, as higher brightness modes consume more power.
- **Water ingress:** The device is IPX6 water-resistant, meaning it can withstand heavy splashes and rain. However, it is not designed for submersion. If water enters the device, discontinue use and contact support.



Image: The NT201 tail light being splashed with water, illustrating its IPX6 water resistance rating.

7. SPECIFICATIONS

Feature	Specification
Model Number	NT101
Maximum Luminous Power	80 Lumens
Detection Range	Up to 140 meters
Detection Angle	40°

Feature	Specification
Number of Light Modes	6
Power Source	Battery (1 A, included)
Water Resistance Level	IPX6 (Water Resistant)
Material	Plastic
Dimensions	19.4 x 10 x 3.2 cm
Weight	140 g
Mounting Type	Seat Post Mount

8. WARRANTY & SUPPORT

Warranty:

This product comes with a 2-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects but does not cover damage caused by misuse, accidents, or unauthorized modifications.

Customer Support:

For any questions, technical support, or warranty claims, please contact RAVEMEN Official customer service. You can find contact information on the RAVEMEN Official store page or through the provided warranty card.