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Garmin UT 800 Smart

Garmin Varia UT 800 Smart Headlight Instruction Manual

Model: UT 800 Smart

1. Introduction

The Garmin Varia UT 800 Smart Headlight is designed for cycling, providing illumination for both urban and trail environments. This high-intensity headlight is visible in daylight from distances exceeding 1 mile (1.6 km). It features intelligent light adjustment capabilities and can integrate with compatible Garmin Edge cycling computers for enhanced control.

Key Features:

- High-intensity output of 800 lumens for up to 1.5 hours.
- Automatic adjustment of brightness based on ambient light conditions, speed, and ride profile to optimize battery life.
- Compatibility with Garmin Edge cycling computers for automatic light control and brightness adjustments.
- Five distinct light modes: High, Medium, Low, Night Flash, and Day Flash.

2. What's in the Box

Verify that all the following items are included in your product package:

- Garmin Varia UT 800 Smart Headlight
- Charging cable
- Universal out-front mount
- Quarter-turn to friction mount
- Instruction Manual

3. Device Overview

Familiarize yourself with the components of your Varia UT 800 Smart Headlight.



Image 1: Front view of the Garmin Varia UT 800 Smart Headlight, showcasing the main light emitter and the robust casing.



Image 2: The Varia UT 800 Smart Headlight with the integrated mounting bracket, ready for attachment to a bicycle.



Image 3: Top view of the headlight, highlighting the power button and the side visibility windows.

4. Installation

Mounting the Headlight

The Varia UT 800 Smart Headlight can be mounted using the included universal out-front mount or the quarter-turn to friction mount. Ensure the mount is securely fastened to your bicycle's handlebars or a compatible accessory mount.

1. Select the appropriate mount for your bicycle setup.
2. Attach the mount to your handlebar, ensuring it is centered and tightened to prevent movement during rides.
3. Align the Varia UT 800 Smart Headlight with the mount's quarter-turn slot.
4. Press down and twist the headlight clockwise until it locks securely into place.
5. Verify that the headlight is firmly attached and does not wobble.



Image 4: The Varia UT 800 Smart Headlight installed on a bicycle handlebar, demonstrating its position during use.

5. Operation

Powering On/Off

- To power on the device, press and hold the power button (located on top of the unit) for approximately one second.
- To power off the device, press and hold the power button until the light turns off.

Changing Light Modes

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

- **High:** Maximum brightness for optimal visibility.
- **Medium:** Balanced brightness for general use.
- **Low:** Reduced brightness for extended battery life.
- **Night Flash:** Flashing pattern for night visibility.
- **Day Flash:** High-intensity flashing pattern optimized for daytime visibility.

Pairing with Garmin Edge Cycling Computers

The Varia UT 800 Smart Headlight can be paired with compatible Garmin Edge cycling computers to enable smart features such as automatic light control and battery status display.

1. Ensure your Varia UT 800 is powered on and within range of your Edge device.
2. On your Edge cycling computer, navigate to the sensor menu.
3. Select "Add Sensor" and choose "Lights" or "Search All".
4. Follow the on-screen prompts on your Edge device to complete the pairing process.

5. Once paired, the Edge device can control the Varia UT 800, including turning it on/off and adjusting brightness based on ride conditions.

6. Charging

The Varia UT 800 Smart Headlight is powered by a rechargeable Lithium Metal battery. To ensure optimal performance, charge the device fully before its first use and whenever the battery level is low.

1. Locate the charging port on the device (typically covered by a weather-resistant cap).
2. Connect the included charging cable to the device and to a standard USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will illuminate to show that the device is charging.
4. Charging is complete when the indicator light changes color or turns off (refer to the device's LED behavior for specific indications).
5. Disconnect the charging cable and ensure the charging port cover is securely closed to maintain water resistance.

Note: Battery life varies depending on the selected light mode and environmental conditions. Using higher brightness settings will consume battery power more quickly.

7. Maintenance

Proper care and maintenance will extend the life of your Varia UT 800 Smart Headlight.

- **Cleaning:** Wipe the device with a damp cloth. Avoid using abrasive cleaners or solvents that could damage the plastic components or lens.
- **Storage:** Store the device in a cool, dry place away from direct sunlight when not in use. For long-term storage, ensure the battery is partially charged (around 50%) to maintain battery health.
- **Water Resistance:** The device has an IPX6 water resistance rating, meaning it can withstand strong jets of water. However, it is not designed for submersion. Ensure the charging port cover is always securely closed.
- **Lens Care:** Keep the light lens clean and free of dirt or debris to ensure maximum light output.

8. Troubleshooting

Device Not Turning On

- Ensure the battery is charged. Connect the device to a power source using the charging cable.
- Press and hold the power button for at least one second.

Light Output is Low or Inconsistent

- Check the selected light mode. Switch to a higher brightness mode if needed.
- Ensure the lens is clean and free from obstructions.
- If paired with an Edge device, verify that the smart light settings are configured as desired.

Cannot Pair with Edge Cycling Computer

- Ensure both the Varia UT 800 and the Edge computer are powered on and within close proximity.
- Check the battery level of both devices.
- On the Edge computer, try removing and re-adding the light sensor.
- If issues persist, consult the Garmin support website for specific pairing instructions for your Edge model.

9. Specifications

Feature	Detail
Model Number	010-01673-00
Brightness	800 Lumens (Maximum)
Light Modes	5 (High, Medium, Low, Night Flash, Day Flash)
Battery Type	1 Lithium Metal battery (included)
Battery Life	Up to 1.5 hours (High mode), up to 4 hours (Smart mode with compatible Edge devices)
Material	Aluminum
Water Resistance Rating	IPX6
Dimensions	3.8 x 1.2 x 1.3 inches
Weight	4.6 ounces (0.13 Kilograms)
Mounting Type	Handlebar Mount (Universal out-front, Quarter-turn to friction)
UPC	753759168872

10. Warranty and Support

For warranty information, product support, and additional resources, please visit the official Garmin website. You can find detailed warranty terms and conditions, frequently asked questions, and contact information for customer service.
Garmin Support Website: www.garmin.com/support
Please retain your proof of purchase for warranty claims.

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