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> GTSBROS GTS-2 (KY-Z00) Adult Bicycle Helmet with Integrated LED Lights User Manual

## GTSBROS GTS-2 (KY-Z00)

# GTSBROS GTS-2 (KY-Z00) Adult Bicycle Helmet User Manual

Integrated LED Lights for Enhanced Visibility

## 1. INTRODUCTION

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Thank you for choosing the GTSBROS GTS-2 (KY-Z00) Adult Bicycle Helmet. This helmet is designed to provide protection and enhanced visibility for cyclists. It features an adjustable fit system, integrated front and rear LED lights, and a durable construction. Please read this manual thoroughly before using your helmet to ensure proper fit, operation, and maintenance.



**Figure 1:** GTSBROS GTS-2 Adult Bicycle Helmet. This image displays the helmet from a side-front angle, highlighting its sleek black design and the integrated front LED light. A smaller inset image shows the rear view with the red LED light illuminated.

## 2. SAFETY INFORMATION

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Your safety is paramount. This helmet is designed to reduce the risk of head injury during cycling activities. However, no helmet can protect against all possible impacts. Always ride cautiously and follow all traffic laws.

- This helmet meets CPSC safety standards for bicycle helmets.
- Always ensure the helmet fits properly and is securely fastened before riding.
- Do not modify the helmet or use it for activities other than cycling.
- Inspect the helmet regularly for any signs of damage. If damaged, replace it immediately.
- A helmet involved in an impact should be replaced, even if no damage is visible.

Passed the safety standard 16CRF1203 of Consumer Product Safety Committee for bicycle helmets



Advance PC shell  
and high-density EPS



Excellent  
impact ansorptiopl



CPSC,GCC, CE



**Figure 2: Safety Standards and Construction.** This image illustrates the helmet's construction, highlighting the advanced PC shell and high-density EPS foam for impact absorption. It also displays the CPSC, GCC, and CE safety certifications, indicating compliance with relevant safety standards.

### 3. PRODUCT FEATURES

- **Integrated LED Lighting:** Front white light and rear red light for enhanced visibility, especially during night riding.
- **Multiple Light Modes:** Four distinct light settings for various riding conditions.
- **USB Rechargeable:** Convenient charging for the integrated LED lights.
- **Adjustable Fit System:** Dial-based adjustment for a secure and comfortable fit.
- **Impact Protection:** Constructed with a durable PC shell and high-density EPS foam.
- **Ventilation:** Features 14 vents to reduce wind drag and increase airflow, keeping the head cool.
- **Comfortable Padding:** Soft, detachable, and washable helmet pads for hygiene and comfort.
- **Quick Release Buckle:** For easy and secure fastening.

## 4. SETUP AND ADJUSTMENT

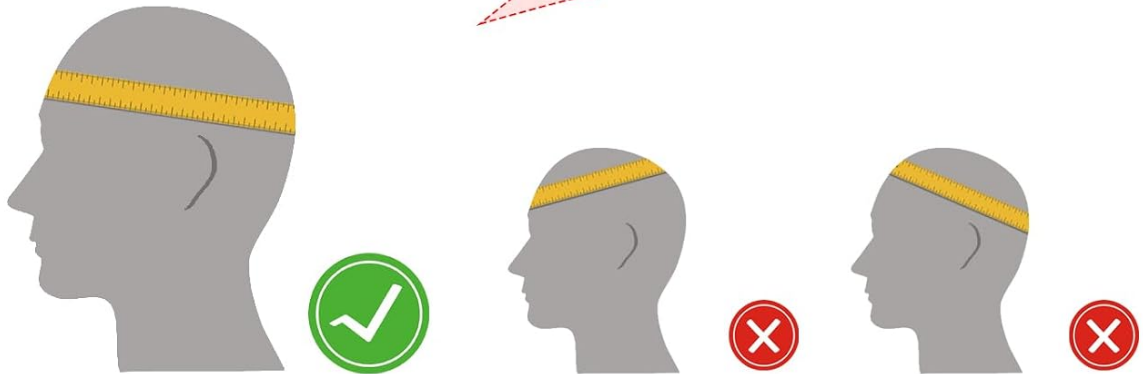
### 4.1. Sizing and Fit

The GTSBROS GTS-2 helmet is designed for adults. To ensure maximum protection, your helmet must fit correctly. Please refer to the size guidelines below and measure your head circumference before adjusting.

## Size Fit Guidelines

M	53-56CM/20.9-22IN
L	56.5-60.5CM/22.2-23.8IN
XL	61-64CM/24-25.2IN

**Tips:** Please measure the circumference from the forehead to the back of your head approximately 0.6inch/1.5cm above your ears.



**Figure 3:** Size Fit Guidelines. This graphic provides a table with head circumference ranges for different helmet sizes (M, L, XL) and instructions on how to accurately measure head circumference for a proper fit.

For example, a Large size typically fits head circumferences of 56.5-60.5 CM (22.2-23.8 inches).

- 1. Measure Your Head:** Use a flexible tape measure to find the circumference of your head. Measure approximately 0.6 inches (1.5 cm) above your ears, from the forehead to the back of your head.
- 2. Place Helmet on Head:** The helmet should sit level on your head, covering your forehead.
- 3. Adjust the Dial:** Turn the dial located at the back of the helmet clockwise to tighten the internal retention system until the helmet feels snug but comfortable. Turn counter-clockwise to loosen.

4. **Adjust Straps:** Adjust the side straps so they form a "V" shape just below your ears. The chin strap should be tightened so that the helmet is secure and does not move excessively when you shake your head. Ensure you can still breathe and swallow comfortably.
5. **Check Fit:** With the chin strap fastened, open your mouth wide. The helmet should press against the top of your head. If it doesn't, tighten the chin strap further. The helmet should not rock excessively forward, backward, or side-to-side.



**Figure 4:** Adjustable and Comfortable Features. This image highlights key comfort and adjustment features: the adjustable knob for fit, removable and washable lining, comfortable and washable chin pad, and a quick-release buckle.

#### 4.2. Charging the LED Lights

The integrated front and rear LED lights are powered by a rechargeable battery.

- Locate the USB charging port on the helmet (typically near the light unit).
- Connect the included USB cable to the helmet's charging port and to a standard USB power source (e.g., computer, wall adapter).

- An indicator light will show the charging status (e.g., red for charging, green for fully charged).
- Charging time may vary. Disconnect the cable once fully charged.

## 5. OPERATING THE LED LIGHTS

The helmet features integrated front (white) and rear (red) LED lights with four operating modes to enhance your visibility to others.



**Figure 5:** Built-in Front and Rear USB Rechargeable Light Design. This image details the four light modes available for the integrated LED lights, showing the combination of front white light and rear red light patterns, along with an illustration of the USB charging cable.

To cycle through the light modes, press the power button located on the light unit (usually on the rear light). Each press will switch to the next mode:

1. **Mode 1:** Front white light ON / Back red light ON (Constant)
2. **Mode 2:** Front white light ON / Back red light Slow Flash

- Mode 3:** Front white light ON / Back red light Fast Flash
- Mode 4:** Back red light Slow Flash (Front light OFF)

To turn off the lights, continue pressing the button until the lights deactivate, or press and hold the button for a few seconds.

## 6. MAINTENANCE

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### 6.1. Cleaning

- Helmet Shell:** Clean the exterior with a soft cloth, mild soap, and water. Avoid harsh chemicals, solvents, or abrasive cleaners, as these can damage the helmet's materials.
- Internal Pads:** The internal padding is detachable and washable. Hand wash with mild soap and water, then air dry completely before reattaching.
- Straps:** Clean straps with a damp cloth and mild soap.

### 6.2. Storage

Store your helmet in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing it near heat sources or chemicals.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
LED lights not turning on.	Battery is depleted.	Charge the helmet's LED lights using the provided USB cable.
Helmet feels loose or uncomfortable.	Improper adjustment of the retention system or straps.	Re-adjust the rear dial and chin straps according to the "Sizing and Fit" section (4.1).
Lights not changing modes.	Button not pressed correctly or light unit malfunction.	Ensure a firm press on the power button. If the issue persists after charging, contact customer support.

## 8. SPECIFICATIONS

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<b>Brand</b>	GTSBROS
<b>Model Name</b>	GTS-2 (KY-Z00)
<b>Color</b>	Black
<b>Size</b>	Large (58-61cm / 22.83-24in)
<b>Outer Material</b>	Acrylonitrile Butadiene Styrene (ABS) / PC Shell
<b>Inner Material</b>	High-Density EPS Foam
<b>Special Feature</b>	Adjustable, Integrated Front & Rear LED Lights (USB Rechargeable)
<b>Item Weight</b>	392 Grams

Recommended Uses	Cycling, Riding (Urban Commuting, Road, Electric, Trek Bikes)
Safety Certifications	CPSC, GCC, CE



**Figure 6:** Ventilation System. This image highlights the helmet's 14 vents, illustrating how they are designed to reduce wind drag and increase airflow to keep the rider's head cool during cycling.

## 9. CUSTOMER SUPPORT

For any problems, suggestions, or inquiries regarding your GTSBROS GTS-2 (KY-Z00) helmet, please contact GTSBROS customer service. We are committed to providing high-quality products and support to our valued customers. Please refer to your purchase documentation or the GTSBROS official website for specific contact information.

