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› Zacro Adult Bike Helmet ZBH14 User Manual

Zacro ZBH14

Zacro Adult Bike Helmet ZBH14 User Manual

Model: ZBH14

1. INTRODUCTION

This manual provides essential information for the proper use, adjustment, maintenance, and care of your Zacro Adult Bike Helmet, model ZBH14. Please read this manual thoroughly before using the helmet to ensure maximum safety and comfort. This helmet is designed for cycling activities and complies with relevant safety standards.



Image 1.1: Front-side view of the Zacro Adult Bike Helmet ZBH14.

2. SAFETY INFORMATION

Your Zacro ZBH14 helmet is certified to meet safety standards for bicycle helmets. It is crucial to understand that no helmet can protect against all possible impacts. For optimal protection, the helmet must fit properly and all retention straps must be securely fastened.

- **Certification:** This helmet is CE Marked (European Standard) and complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older.
- **Intended Use:** This helmet is designed exclusively for cycling. It is not intended for motor sports or other activities.
- **Impact Protection:** The helmet is constructed with a polycarbonate (PC) outer shell and high-density Expanded Polystyrene (EPS) foam to absorb impact energy.
- **Helmet Replacement:** A helmet that has sustained an impact should be replaced immediately, even if no visible damage is apparent. The protective capabilities of the helmet may be compromised.
- **Chemicals:** Do not expose the helmet to petroleum products, cleaning agents, paints, adhesives, or other solvents.

These substances can damage the helmet's materials without visible signs.

SAFETY CERTIFICATION



Image 2.1: Helmet displaying CPSC and CE safety certification labels.

SAFE AND STURDY INTEGRATED STRUCTURE



Image 2.2: Illustration of the helmet's integrated structure, highlighting the impact-resistant PC outer shell, high-density EPS inner shell, and safety pad for the back of the head.

3. COMPONENTS OVERVIEW

The Zacro ZBH14 helmet includes the following main components:

- **Helmet Shell:** The main body of the helmet, comprising the PC outer shell and EPS foam liner.
- **Removable Visor:** Attaches to the front of the helmet to shield from sun and rain.
- **Adjustable Dial System:** Located at the rear, used to fine-tune the helmet's fit around the head.
- **Chin Straps:** Adjustable straps with a quick-release buckle for securing the helmet under the chin.
- **Inner Padding:** Removable and washable pads for comfort and hygiene.
- **Ventilation System:** 18 strategically placed vents for airflow.



Image 3.1: The Zacro ZBH14 helmet and its primary included components.



Image 3.2: The helmet shown with its removable sun visor, illustrating its detachment.

4. SETUP AND ADJUSTMENT

Proper fit is essential for helmet safety and comfort. Follow these steps to ensure your helmet is correctly adjusted.

4.1. Measuring Head Circumference

Before adjusting, measure your head circumference to confirm it falls within the helmet's recommended range of 54-62 cm.

1. Use a flexible measuring tape.
2. Wrap the tape around your head, just above your eyebrows and ears.
3. Note the measurement. If it's between 54-62 cm, the helmet should fit.

4.2. Adjusting the Fit

1. **Positioning:** Place the helmet squarely on your head. It should sit level, covering your forehead. The front edge should be no more than two finger-widths above your eyebrows.
2. **Dial System:** Turn the adjustable dial at the back of the helmet clockwise to tighten the fit, or counter-clockwise to loosen it. Adjust until the helmet feels snug but comfortable, without excessive pressure points. The helmet should not move freely when you shake your head.
3. **Chin Straps:** Fasten the quick-release buckle under your chin. Adjust the side straps so that they form a 'V' shape just below your ears. The chin strap should be snug against your throat, allowing only one or two fingers to fit between the strap and your chin.
4. **Final Check:** With the straps fastened, try to roll the helmet forward and backward. It should not move significantly. If it does, re-adjust the dial and straps.



Image 4.1: Visual guide for correctly wearing the helmet and measuring head circumference. Note: Women with long hair are suggested to wear a low ponytail for optimal fit.

DUAL ADJUSTABLE DESIGNS

Adjustable range of head circumference: **54-62** cm



Adjustable Spin Dial



Quick Release Buckle



Chin Strap with Pad

Image 4.2: Detailed view of the helmet's dual adjustable designs, including the adjustable spin dial, quick-release buckle, and chin strap with padding.

4.3. Attaching the Visor

The visor can be easily attached or removed as needed. Align the visor's tabs with the corresponding slots on the helmet and press firmly until it clicks into place. To remove, gently pull the visor away from the helmet.

5. OPERATION AND USAGE

Once your helmet is properly fitted, you are ready for your ride. Always wear your helmet when cycling to protect against head injuries.

- **Ventilation:** The helmet features 18 vents designed to circulate air, keeping your head cool and dry during rides.
- **Lightweight Design:** The ultra-lightweight construction (approximately 253g) minimizes strain on your neck and head, even during extended use.
- **Versatility:** Suitable for various cycling activities including urban commuting, mountain biking, and road cycling.

VENTILATION AND BREATHABLE

Scientific 18 vents system to enhance air flow inside the helmet



Image 5.1: Illustration of the scientific 18-vent system enhancing air circulation inside the helmet for breathability.

6. MAINTENANCE

Regular maintenance helps prolong the life of your helmet and ensures hygiene.

- **Cleaning the Helmet:** Use only mild soap and water to clean the helmet's exterior and interior. Avoid harsh chemicals, abrasive cleaners, or solvents, as these can damage the helmet's materials.
- **Cleaning Inner Pads:** The inner padding is removable for easy cleaning. Gently detach the pads, hand wash them with mild soap and water, rinse thoroughly, and allow them to air dry completely before reattaching.
- **Storage:** Store the helmet in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing it in a hot car, as excessive heat can damage the EPS liner.
- **Inspection:** Periodically inspect the helmet for any signs of damage, such as cracks in the shell or foam, frayed straps, or malfunctioning buckles. If any damage is found, replace the helmet immediately.



Image 6.1: A hand demonstrating the removal of the helmet's inner padding for cleaning.

7. TROUBLESHOOTING

If you encounter issues with your helmet, refer to the following common solutions:

- **Helmet feels loose or shifts:** Re-adjust the rear dial system and chin straps. Ensure the helmet is positioned correctly on your head.
- **Helmet feels too tight or causes pressure points:** Loosen the rear dial system. Check if the inner pads are correctly positioned. If discomfort persists, the helmet size may not be suitable for your head shape.
- **Chin strap is uncomfortable:** Ensure the 'V' shape of the side straps is correctly positioned below your ears. Adjust the chin strap length so it is snug but not constricting. The chin strap includes a pad for comfort.
- **Visor detaches easily:** Ensure the visor tabs are fully engaged in the helmet slots. Press firmly until you hear a click.

8. SPECIFICATIONS

Feature	Detail
Brand	Zacro
Model Name	ZBH14
Age Range	Adult
Size	Universal Adult (54-62 cm head circumference)
Outer Material	Polycarbonate (PC)
Inner Material	Expanded Polystyrene (EPS)
Special Feature	Lightweight, Removable Visor, Adjustable Fit, 18 Vents
Recommended Uses	Cycling
Package Weight	0.31 Kilograms
Included Components	1* Bike helmet
Certifications	CE Marked, U.S. CPSC Safety Standard

9. WARRANTY AND SUPPORT

The Zacro ZBH14 Adult Bike Helmet comes with a **12-month warranty** from the date of purchase. This warranty covers

manufacturing defects under normal use.

For warranty claims, technical support, or any questions regarding your helmet, please contact Zacro customer service through the retailer where the product was purchased or visit the official Zacro website for contact information.

Please retain your proof of purchase for warranty validation.

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