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› KRACESS M2 Smart Bicycle Helmet User Manual

KRACESS M2

KRACESS M2 Smart Bicycle Helmet User Manual

Model: M2

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your KRACESS M2 Smart Bicycle Helmet. Please read this manual thoroughly before using the helmet to ensure safe and optimal performance.



Image: Front-side view of the KRACESS M2 Smart Bicycle Helmet, showcasing its sleek design, integrated camera, and visor.

PACKAGE CONTENTS

- KRACESS M2 Smart Bicycle Helmet
- Type-C Charging Cable
- Detachable Goggles
- Wireless Remote Control
- User Manual (this document)

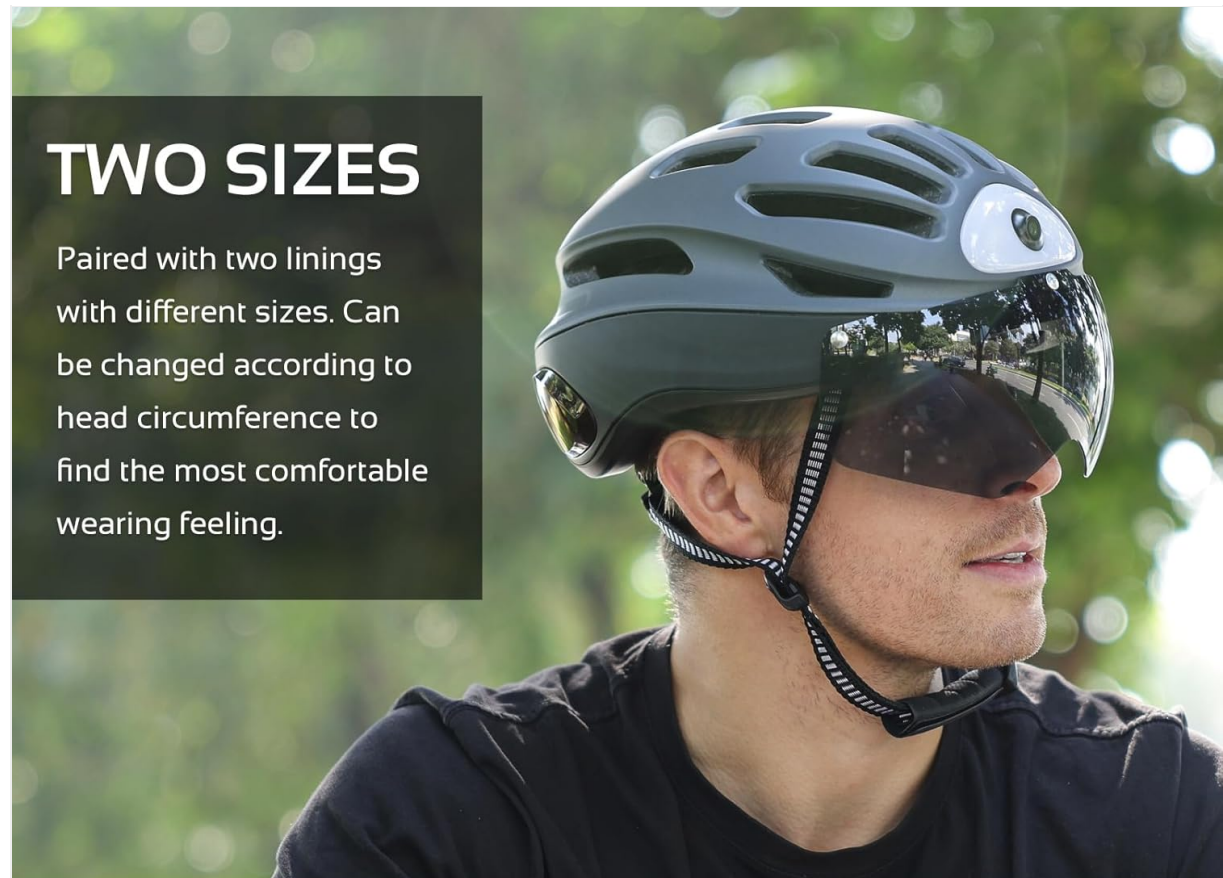
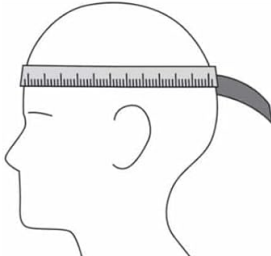
SETUP

1. Helmet Fitting and Adjustment

The KRACESS M2 helmet is available in two sizes, M and L, to accommodate various head circumferences. Ensure you select the correct size for a secure and comfortable fit.

- **Size M:** 49 - 56 cm (19.29 - 22.04 inches)
- **Size L:** 53 - 62 cm (20.86 - 24.4 inches)

Adjust the chin straps and the rear retention system until the helmet fits snugly without being uncomfortably tight. The helmet should not move freely on your head when shaken.

Head Measurement

Size	Centimeters	Inches
M	49 - 56	19.29 - 22.04
L	53 - 62	20.86 - 24.4

Image: Diagram illustrating how to measure head circumference and a table showing helmet sizes M and L with corresponding centimeter and inch measurements.

2. Charging the Helmet

Before first use, fully charge the helmet's integrated battery. Locate the Type-C charging port, typically at the rear or side of the helmet. Connect the provided Type-C cable to the helmet and a compatible USB power source.

- A charging indicator light will typically illuminate during charging and change color or turn off when fully charged.
- The helmet uses 1 Lithium Ion battery.

3. Attaching Goggles

The helmet comes with detachable goggles. Align the attachment points on the goggles with the corresponding slots on the helmet and secure them firmly. These goggles help shade from sun glare during riding.

4. Remote Control Installation

Mount the wireless remote control onto your bicycle handlebars in an easily accessible position. This remote control is used to operate the helmet's lights and intercom functions.

OPERATING INSTRUCTIONS

1. Power On/Off

Press and hold the power button (location varies, typically near the charging port or on the side) for a few seconds to power the helmet on or off. An audible prompt or indicator light will confirm the status.

2. Bluetooth Connectivity

The helmet features a dual-antenna Bluetooth system for stable connections.

1. Activate Bluetooth on your smartphone.
2. Put the helmet into pairing mode (refer to specific helmet button sequence, usually holding a button).
3. Select "KRACCESS M2" (or similar name) from your phone's Bluetooth device list to connect.

Once connected, you can:

- Play music through the built-in stereo speakers.
- Receive and make calls using the windproof microphone.
- Listen to navigation instructions.



BUILT IN BLUETOOTH SPEAKER & WINDPROOF MICROPHONE



Image: An internal view of the helmet highlighting the audio reception, microphone noise reduction, intercom audio reception, and speakers. Below, a cyclist is shown enjoying music while riding, illustrating the helmet's built-in Bluetooth speaker and windproof microphone for clear conversations.

3. Integrated Sports Camera

The helmet is equipped with a 16-megapixel Sony lens 4K EIS anti-shake camera.

- **Recording:** Start recording your ride at any time. The camera captures high-resolution video, even in low-light conditions.
- **Storage:** Supports up to a 128GB TF card (a 64GB TF card is included).
- **App Connectivity:** Connect to the dedicated mobile application via Wi-Fi to view real-time video, preview recordings, download files, and share content directly from your phone. This feature can also provide forensic evidence in case of an accident.

SPORTS CAMERA

Using SONY 16 million pixels
4k@30fps anti-shake camera



Image: A comparison showing the superior clarity of 16-megapixel camera footage from the helmet compared to standard 1080P, with a cyclist wearing the helmet in the background.

REAL-TIME VIDEOS

Press the WiFi icon to connect M1 to the app.
After connecting, you can see real-time videos



Image: A smartphone screen displaying a gallery of videos and photos, indicating real-time video access from the helmet camera via a mobile application. Two individuals are shown interacting with the helmet and phone.

4. Multi-Person Intercom

Communicate with your riding group using the helmet's intercom function.

- **Activation:** Activate the walkie-talkie feature through the remote control mounted on your handlebars.
- **Group Calls:** Connect multiple helmets via the app to the same channel for group voice calls.
- **Range:** The intercom supports communication up to 1500 meters without requiring network support.

REAL TIME SPEAKING

On the remote control, you can control helmet intercom to communicate and chat with the team.



Image: Two cyclists are shown communicating while riding, with an inset image of a hand pressing a button on the handlebar-mounted remote control, demonstrating the real-time speaking function of the helmet's intercom.

5. Front and Rear Lights

Enhance your visibility and communicate your intentions with the integrated lighting system.

- **Front Headlights:** Improve visibility during night riding.
- **Rear LED Turn Signals:** Indicate left or right turns to traffic behind you.
- **Brake Lights:** Automatically activate upon braking to alert others.
- **Control:** All lighting functions are controlled via the wireless remote control on your handlebars.

REMOTE LIGHT CONTROL

The front headlights and rear turn signals can be adjusted on the remote control.



Image: A series of images demonstrating the helmet's front headlights and rear LED turn signals, with an inset showing the handlebar-mounted remote control used to adjust these lights.

6. Waterproofing

The helmet is designed with an IPX5 waterproof rating, making it suitable for daily use and protection against splashes and light rain.

MAINTENANCE

1. Cleaning the Helmet

- **Exterior:** Wipe the helmet's exterior with a soft, damp cloth and mild soap. Avoid abrasive cleaners or solvents.
- **Interior:** The helmet features a removable liner. Detach the liner for cleaning according to its care instructions (typically hand wash with mild soap and air dry).
- **Goggles:** Clean the goggles with a soft, lint-free cloth and a lens cleaning solution.

2. Battery Care

- Charge the helmet regularly, even if not in frequent use, to maintain battery health.
- Avoid fully discharging the battery frequently.

- Store the helmet in a cool, dry place away from extreme temperatures.

3. Storage

When not in use, store the helmet in a protective bag or case to prevent scratches and damage. Keep it away from direct sunlight and heat sources.

TROUBLESHOOTING

1. Helmet Does Not Power On

- Ensure the battery is fully charged. Connect the helmet to the charger and wait for the charging indicator.
- Press and hold the power button for at least 5 seconds.

2. Bluetooth Connection Issues

- Ensure the helmet is in pairing mode.
- Turn off and on Bluetooth on your smartphone.
- Delete previous pairings on your phone and try pairing again.
- Ensure the helmet and phone are within close proximity.

3. Camera Not Recording or App Connection Fails

- Check if the TF card is properly inserted and has sufficient free space.
- Ensure the helmet's Wi-Fi is enabled for app connection.
- Restart both the helmet and your smartphone.
- Update the mobile application to the latest version.

4. Intercom Not Working

- Ensure all helmets are powered on and within the 1500-meter range.
- Verify that all helmets are connected to the same channel via the mobile application.
- Check the remote control battery and ensure it's properly paired with the helmet.

SPECIFICATIONS

Feature	Detail
Model Name	KRACCESS-M2
Age Range	14 years and over
Color	Black
Sizes Available	M (49-56 cm), L (53-62 cm)
Material Type	Polycarbonate (PC) outer, Expanded Polystyrene inner
Camera	16 Megapixel Sony lens, 4K EIS Anti-Shake
Storage	Max 128GB TF card support (64GB included)
Bluetooth	Dual antenna system, stereo sound, windproof microphone

Intercom Range	Up to 1500 meters (no network required)
Lighting	Front headlights, Rear LED turn signals, Brake lights (remote controlled)
Waterproof Rating	IPX5
Battery	1 Lithium Ion battery (included)
Included Components	Helmet, Type-C charging cable, Goggles, Remote controls
Ventilation	18 ventilation holes



DYNAMIC DESIGN

Using durable, lightweight, breathable materials and aerodynamic design. 18 ventilation holes keep you cool and breezy while cycling.



Image: A cyclist wearing the KRACESS M2 helmet, emphasizing its dynamic design, durable and lightweight materials, and 18 ventilation holes for air circulation.

WARRANTY AND SUPPORT

KRACESS provides a **1-year after-sales quality assurance service** for the M2 Smart Helmet. If you encounter any problems during use, please contact KRACESS customer support for assistance. Refer to your purchase documentation or the official KRACESS website for specific contact details.

