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› KRACESS M2 Smart Cycling Helmet User Manual: 4K Camera, Bluetooth, Intercom, and LED Lights

KRACESS M2

KRACESS M2 Smart Cycling Helmet User Manual

Model: M2

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, and maintenance of your KRACESS M2 Smart Cycling Helmet. The M2 helmet integrates a 4K HD camera, Bluetooth connectivity, multi-person intercom, and safety lighting to enhance your cycling experience. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- KRACESS M2 Smart Cycling Helmet
- Type-C Charging Cable
- Protective Glasses (Visor)
- Wireless Remote Control

3. PRODUCT FEATURES

The KRACESS M2 Smart Cycling Helmet is equipped with several advanced features:

3.1. Integrated 4K HD Camera

The helmet features a built-in 16-megapixel Sony camera with 4K resolution at 30 frames per second (FPS) and anti-shake technology. This allows for recording high-quality video of your rides. The camera supports up to a 128GB TF card (64GB TF card typically included). Recorded footage can be accessed via a mobile application by connecting to the helmet's Wi-Fi.

SPORTS CAMERA

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



Figure 1: Integrated 4K HD Camera. The helmet's camera captures high-resolution video, allowing users to record their cycling journeys with clarity.

REAL-TIME VIDEOS

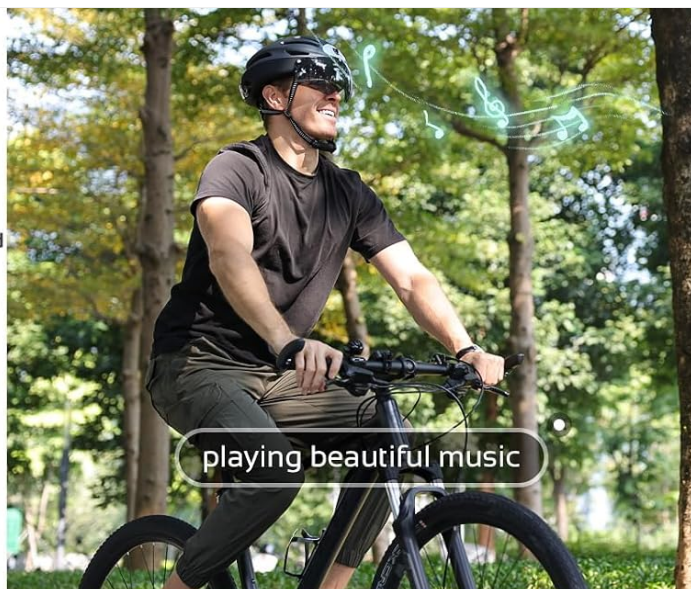
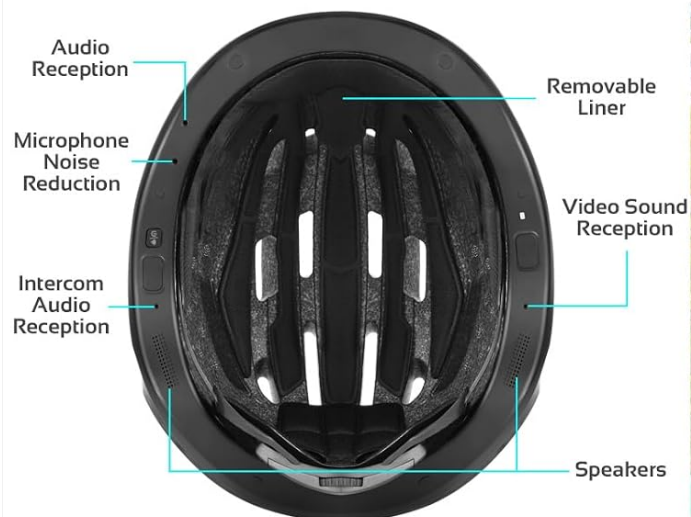
Press the WiFi icon to connect M1 to the app.
After connecting, you can see real-time videos



Figure 2: Real-time Video Access. Connect to the helmet's Wi-Fi via the mobile app to view live footage and manage recorded videos.

3.2. Bluetooth Connectivity

The helmet features a dual-antenna Bluetooth system with a windproof microphone and high-quality stereo speakers. This enables hands-free calling, music playback, and navigation audio streaming from your paired smartphone. The helmet is IPX5 waterproof for daily use.



BUILT IN BLUETOOTH SPEAKER & WINDPROOF MICROPHONE



Figure 3: Built-in Bluetooth Speaker and Windproof Microphone. Enjoy clear audio for calls and music while cycling.

3.3. Multi-Person Intercom

Communicate with fellow riders using the multi-person intercom function. This feature allows for group voice calls with an unlimited number of participants over a range of up to 1500 meters, without requiring network support. Activation is done via the remote control.

REAL TIME SPEAKING

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



Figure 4: Real-time Intercom Communication. Use the remote control to activate the intercom and speak with your cycling group.

3.4. Front and Rear LED Lights

The helmet includes a front headlight for improved visibility in low-light conditions and rear LED turn signals (left/right) and brake lights. These lights are controlled by the wireless remote control mounted on your handlebars, allowing you to signal your intentions to others and enhance safety.

REMOTE LIGHT CONTROL

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



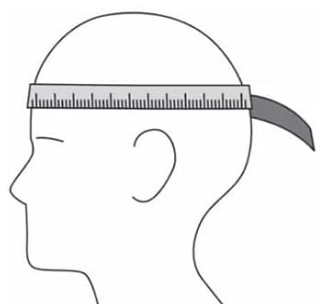
Figure 5: Remote Light Control. Manage the helmet's front and rear lights for enhanced visibility and signaling.

3.5. Ergonomic Design and Fit

Constructed from durable, lightweight, and breathable materials, the M2 helmet features an aerodynamic design with integrated ventilation holes to promote airflow and reduce perspiration. It is available in two sizes (M and L) and includes removable liners for a comfortable and adjustable fit. The helmet also comes with a removable visor and earmuffs.

TWO SIZES

Paired with two linings with different sizes. Can be changed according to head circumference to find the most comfortable wearing feeling.



Head Measurement

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

Figure 6: Two Sizes for Optimal Fit. Choose the correct helmet size based on your head circumference for maximum comfort and safety.

DYNAMIC DESIGN

Using durable, lightweight, breathable materials and aerodynamic design.

18 ventilation holes keep you cool and breezy while cycling.



Figure 7: Dynamic Design. The helmet's design ensures durability, lightness, breathability, and effective ventilation during cycling.

4. INITIAL SETUP

4.1. Charging the Helmet

Before first use, fully charge the helmet. Connect the provided Type-C charging cable to the helmet's charging port and a suitable USB power source. The charging indicator light will show the charging status and turn off when fully charged.

4.2. Fitting the Helmet

1. **Select Correct Size:** Ensure you have chosen the appropriate helmet size (M or L) based on your head circumference. Refer to the sizing chart in Section 3.5.
2. **Adjust Straps:** Place the helmet on your head. Adjust the chin straps so they form a 'V' shape under your ears and are snug but comfortable.
3. **Secure Buckle:** Fasten the chin strap buckle. Ensure there is enough room to fit one finger between the strap and your chin.

4. **Check Stability:** The helmet should sit level on your head and not move excessively when you shake your head.

4.3. Installing the Mobile Application

Download the dedicated KRACESS mobile application from your smartphone's app store. This app is required to access camera features, view real-time video, and manage recordings. Follow the in-app instructions to connect your helmet via Wi-Fi.

5. OPERATING INSTRUCTIONS

5.1. Camera Operation

1. **Power On/Off:** Locate the camera power button on the helmet. Press and hold to power on or off.
2. **Start/Stop Recording:** Press the camera button briefly to start or stop video recording.
3. **Accessing Footage:** Connect your smartphone to the helmet's Wi-Fi network (details in app). Open the KRACESS app to view live camera feed, preview recorded videos, and download files to your phone.

5.2. Bluetooth Functions (Music, Calls, Navigation)

1. **Pairing:** Ensure the helmet's Bluetooth is discoverable (refer to helmet controls for pairing mode). On your smartphone, search for and select 'KRACESS M2' in the Bluetooth settings to pair.
2. **Music Playback:** Once paired, audio from your smartphone will play through the helmet's speakers. Use your phone or the helmet's integrated controls (if available) to manage playback.
3. **Answering/Ending Calls:** When a call comes in, press the designated Bluetooth button on the helmet (or remote) to answer. Press again to end the call. The windproof microphone ensures clear communication.
4. **Navigation Audio:** Audio directions from your smartphone's navigation app will be broadcast through the helmet speakers.

5.3. Multi-Person Intercom

1. **Remote Control Pairing:** Ensure your wireless remote control is paired with the helmet.
2. **Activating Intercom:** Press the dedicated intercom button on the remote control to initiate a group call.
3. **Group Communication:** For multi-person intercom, all participants must have KRACESS M2 helmets and be within the 1500-meter range. Follow the mobile app instructions to set up a group channel for communication.

5.4. Light Control

The front headlight and rear LED lights are controlled via the wireless remote control mounted on your handlebars.

- **Front Headlight:** Press the headlight button on the remote to turn the front light on/off or cycle through modes (if applicable).
- **Rear Turn Signals:** Use the left and right turn signal buttons on the remote to activate the corresponding rear LED indicators.
- **Brake Lights:** The rear lights may automatically illuminate brighter when braking, depending on the helmet's sensor capabilities.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and performance of your helmet.

- **Cleaning the Helmet:** Use a soft, damp cloth with mild soap and water to clean the exterior of the helmet. Avoid harsh chemicals or abrasive cleaners.
- **Cleaning the Visor:** The protective visor can be cleaned with a soft cloth and water. Do not use alcohol-based cleaners, as they may damage the coating.
- **Liner Care:** The internal liners are removable for cleaning. Hand wash with mild soap and water, then air dry completely.

before reinserting.

- **Storage:** Store the helmet in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge regularly, especially if storing for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your KRACESS M2 helmet, refer to the following common solutions:

- **Helmet Not Powering On:** Ensure the helmet is fully charged. Connect to the Type-C charging cable and allow it to charge for at least 30 minutes before attempting to power on again.
- **Bluetooth Not Connecting:** Ensure Bluetooth is enabled on your smartphone and the helmet is in pairing mode. Try restarting both devices.
- **Camera Not Recording/App Issues:** Check if the TF card is properly inserted and has sufficient storage space. Ensure your smartphone is connected to the helmet's Wi-Fi and the app is updated to the latest version.
- **Intercom Not Working:** Verify that all helmets are within the 1500-meter range and are set to the same group channel in the mobile app. Check battery levels of all participating helmets.
- **Lights Not Responding to Remote:** Ensure the remote control battery is not depleted and that it is properly paired with the helmet.

If problems persist, please contact KRACESS customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Model Name	KRACESS-M2
Camera Resolution	16 MP, 4K@30fps (Sony lens)
Bluetooth Version	Dual-antenna system
Intercom Range	Up to 1500 meters
Water Resistance	IPX5
Battery Type	1 Lithium-ion (included)
Main Material	Polycarbonate (PC)
Internal Material	Ethylene-vinyl acetate (EVA)
Sizes Available	M (49-56 cm / 19.29-22.04"), L (53-62 cm / 20.86-24.4")
Special Features	Calling, Bluetooth, Camera, Rear Light, Visor
Color	Black

9. WARRANTY AND SUPPORT

9.1. Product Warranty

KRACESS provides a **1-year quality assurance after-sales service** for the M2 Smart Cycling Helmet. This warranty covers manufacturing defects and issues arising from normal use within the specified period.

9.2. Customer Support

For any questions, technical assistance, or warranty claims, please contact KRACESS customer support. Refer to the contact information provided with your purchase or visit the official KRACESS website for support details.

ASK A QUESTION ABOUT THIS MANUAL

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