

MOTOEYE E6

MOTOEYE E6 Motorcycle Helmet HUD User Manual

Model: E6

1. INTRODUCTION

The MOTOEYE E6 Motorcycle Helmet HUD is an advanced all-in-one device designed to enhance the riding experience by integrating multiple functionalities directly into the rider's line of sight. This system combines a head-up display, GPS navigation, hands-free communication, mesh intercom, rearview camera, and voice command capabilities.

This manual provides detailed instructions for the proper setup, operation, maintenance, and troubleshooting of your MOTOEYE E6 HUD system. Please read this manual thoroughly before using the device to ensure safe and optimal performance.

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Official MOTOEYE E6/E6-SE Introduction Video. This video provides an overview of the MOTOEYE E6 Helmet HUD's features and functionalities.

2. WHAT'S IN THE BOX?

Verify that all components are present before proceeding with installation.

- HUD Host (with rearview camera & 2GB RAM) x 1
- Display Module x 1
- Headset x 1
- Remote Control x 1
- 64GB TF Card x 1
- Type-C Cable x 1
- Display Extension Rod x 1
- 3M Double-sided Tape (several pieces)

- Quick Guide x 1
- Cleaning Kit x 1
- Cross Screwdriver x 1

What's in the box?



E6 Host x 1
(with rearview camera & 2GB RAM)



Optical module x 1



Colorful shells x 4



Headphone microphone x 1



Remote control x 1



TypeC cable x 1



Accessories x several



Display extension rod x 1



64GB TF card

Image showing all included components: HUD Host, Optical module, Remote control, Headset, Colorful shells, Type-C cable, 64GB TF card, and various accessories.

3. SETUP AND INSTALLATION

3.1 Helmet Compatibility

The MOTOEYE E6 is designed for easy attachment to various helmet types, including full-face, flip-up, 3/4, and vintage helmets. It is also compatible for users wearing myopia glasses or sunglasses.

Easily Attachable to Any Kind of Helmets



Rally helmet



Full-face helmet



Flip-up helmet



3/4 helmet



Vintage helmet



Large Buttons for Remote Control



Illustration demonstrating the MOTOEYE E6's adaptability to different helmet styles, including rally, full-face, flip-up, 3/4, and vintage helmets.

3.2 Component Installation

1. **HUD Host Installation:** The E6 host is designed to be installed at the rear of the helmet. This placement reduces air resistance and enhances security. Use the provided 3M double-sided tape for secure attachment.



Close-up view of the HUD Host mounted on the back of a helmet, highlighting its compact design and rear placement for reduced wind resistance.

2. **Display Module Installation:** Attach the display module inside the helmet, ensuring it is positioned to project information clearly within your line of sight. The display extension rod can be used to adjust the viewing angle.



Diagram illustrating the projection of the HUD display module onto the helmet visor, showing how information appears in the rider's field of view.

3. **Headset Installation:** Position the headset speakers inside the helmet near your ears and the microphone near your mouth for clear audio communication.
4. **Remote Control Mounting:** The remote control can be mounted on your motorcycle's handlebar for easy access during rides.



Image showing the remote control securely attached to a motorcycle handlebar, designed for intuitive operation with large buttons.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on the device, press and hold the main power button on the HUD Host until the display illuminates. To power off, press and hold the same button until the display shuts down.

4.2 Connectivity (Bluetooth, Wi-Fi, CarPlay/Android Auto)

The MOTOEYE E6 supports Bluetooth and Wi-Fi connectivity. For navigation and media, connect your smartphone via CarPlay (for iOS) or Android Auto (for Android) to access maps, music, and calls directly on the HUD display.

- **Bluetooth Pairing:** Enable Bluetooth on your smartphone and search for "MOTOEYE E6" to pair.
- **Wi-Fi Connection:** Connect to a Wi-Fi network or use your mobile hotspot for internet access, enabling features like real-time traffic updates.
- **CarPlay/Android Auto:** Once connected via Bluetooth/Wi-Fi, launch the CarPlay or Android Auto application on your phone. The interface will automatically appear on the HUD.



Image demonstrating the HUD's capability to display navigation and media interfaces from both Apple CarPlay and Android Auto, supporting various smartphone applications.

4.3 HUD Navigation and Display

The AR display projects essential information such as maps, calls, music, and speed directly into your line of sight. The display is designed to be bright and transparent, ensuring minimal distraction while providing critical data.

- **Automatic Brightness Adjustment:** The HUD automatically adjusts its brightness for clear visibility in various lighting conditions, from bright daylight to night.



Auto-Brightness feature

Clear and visible display during the day or night



Image illustrating the automatic brightness feature of the HUD, showing clear display visibility during both day and night riding conditions.

- **Voice Commands:** Use voice commands like "Hey, Siri," "Hey, Google," or "Moto, Moto" to control various functions without taking your hands off the handlebars.

4.4 Intercom Modes

The E6 offers three intercom modes for versatile communication:

1. **Mesh Intercom:** Connects with teammates in a dynamic network topology, ideal for group rides.
2. **Public Network Intercom:** Supports communication with up to 15 people with unlimited distance and equipment, leveraging public network connectivity.
3. **Wireless Walkie-Talkie Connection:** Allows wireless audio and Push-to-Talk (PTT) functionality in areas with obstacles or no network coverage.



Diagram illustrating the mesh intercom network, showing multiple MOTOEYE HUD units connected for group communication.

4.5 Rearview Camera

The integrated rearview camera allows you to constantly monitor traffic conditions behind and around you, reducing blind spots and improving safety. The camera has a vertical adjustable angle of ± 10 degrees.



Image detailing the rearview camera's placement and its 120-degree field of view, enhancing situational awareness for the rider.

5. MAINTENANCE

5.1 Cleaning

- Use the provided cleaning kit to gently clean the display module and camera lens.
- Do not use abrasive cleaners or solvents, as they may damage the device.
- Wipe the exterior of the HUD Host with a soft, damp cloth.

5.2 Waterproofing

The MOTOEYE E6 is IP66 rated, meaning it is protected against dust ingress and powerful water jets. While it can withstand rain, avoid submerging the device in water.

Ultimate Powerful Headset

Intelligent

Built in Android OS

Visible

Navigation route, Call information

Audible

Quad-core bluetooth, Noise reduction

Recordable

Driving video record

Powerful

Meet all your needs while riding



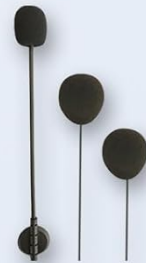
Host



Optical module



Remote control



Headset

Host replaceable colorful shells

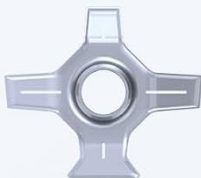


Image demonstrating the IP66 waterproof rating of the MOTOEYE E6 HUD, showing it can withstand water exposure.

5.3 Battery Care

The device is powered by a Lithium Polymer battery. For optimal battery life:

- Charge the device fully before first use.

- Avoid extreme temperatures during charging and operation.
- If storing for extended periods, charge the battery to approximately 50% and store in a cool, dry place.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the device; Press and hold the power button firmly.
Display is dim or unreadable.	Extreme lighting conditions; Display module misaligned.	Allow automatic brightness to adjust; Adjust display module position.
Cannot connect to smartphone.	Bluetooth/Wi-Fi off; Device not in pairing mode; Interference.	Ensure Bluetooth/Wi-Fi is on; Put device in pairing mode; Move away from other wireless devices.
Intercom not working.	Out of range; Incorrect mode selected; Low battery.	Ensure devices are within range; Select correct intercom mode; Charge devices.
Poor audio quality.	Microphone/speakers obstructed; High ambient noise.	Adjust headset position; Utilize noise reduction features.

7. SPECIFICATIONS

- **Model Name:** E6
- **Noise Control:** Active Noise Cancellation
- **Connectivity Technology:** Bluetooth, Wi-Fi
- **Item Weight:** 64 Grams (2.26 ounces)
- **Waterproof Rating:** IP66
- **Display:** AR Display, Sony micro OLED panel, About 55-inch TV size image (at 3m imaging distance)
- **Camera:** Rearview Camera (vertical adjustable ± 10 degrees)
- **Memory:** 2GB RAM (integrated in HUD Host)
- **Storage:** Supports 64GB TF Card (included)
- **Battery:** 1 Lithium Polymer battery (included)
- **Manufacturer:** Xi'an Vidoar Technologies Co., Ltd.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MOTOEYE website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Contact Information:

- **Seller:** MOTOEYE HELMET HUD
- **Online Support:** [Amazon Seller Profile](#)

Additional protection plans may be available for purchase. Please check product listings for details.