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› Moman H2E Motorcycle Intercom User Manual

## Moman H2E-1

# Moman H2E Motorcycle Intercom User Manual

Brand: **Moman** | Model: **H2E-1**

## 1. INTRODUCTION

The Moman H2E Motorcycle Intercom is an advanced helmet headset communication system designed to enhance your riding experience with seamless audio multitasking and clear communication. Featuring dual-chip technology, it allows simultaneous intercom conversations with music, FM radio, or GPS navigation. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

## 2. WHAT'S IN THE BOX

Please verify that all the following components are included in your package:

- Main Unit (x1)
- Back Clip (x1)
- Pattern Shells Kit (x2)
- Replaceable Microphone Speakers (x1 set)
- Charging Cable (x1)
- User Manual (x1)
- Velcro Accessories Kit (x1)



Figure 2.1: All components included in the Moman H2E package.

### 3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. The Moman H2E offers two main installation methods for the main unit and includes detailed steps for speaker and microphone placement.

#### 3.1. Installation Video Guide

Your browser does not support the video tag.

Video 3.1: Official Moman H2E Installation Instruction. This video demonstrates both clip and adhesive mounting methods, along with speaker and microphone setup.

#### 3.2. Detailed Installation Steps

Follow these steps for a secure installation:

1. **Prepare your Helmet:** Carefully remove the inner padding of your helmet to access the ear pockets and the area near the chin bar.
2. **Install Speakers:** Place the Hi-Fi 40mm speakers into the helmet's ear pockets. Ensure they are positioned directly over your ears for optimal sound quality. Use the provided Velcro pads to secure them.
3. **Install Microphone:**
  - For full-face helmets, use the soft wire microphone. Route the wire along the helmet's interior and attach the microphone to the inside of the chin bar, ensuring it is close to your mouth.
  - For open-face or modular helmets, use the boom microphone. Attach it to the side of the helmet near your mouth.
4. **Route Cables:** Carefully tuck all speaker and microphone cables under the helmet's padding to prevent interference and ensure a neat installation. Connect the microphone to the main unit's designated port.
5. **Mount Main Unit (Method 1: Clip Mount):**
  - Attach the back clip to the edge of your helmet. Ensure it is securely fastened with the provided screws.
  - Slide the main unit onto the back clip until it clicks into place.
6. **Mount Main Unit (Method 2: Adhesive Mount):**
  - Clean the desired mounting area on the side of your helmet.
  - Peel off the protective film from the adhesive pad on the back clip.
  - Firmly press the adhesive mount onto the helmet surface for at least 30 seconds. Allow sufficient time for the adhesive to bond before attaching the main unit.
  - Slide the main unit onto the adhesive mount until it clicks into place.
7. **Final Check:** Ensure all components are securely attached and cables are not obstructing your vision or comfort.



Figure 3.1: Visual guide for Moman H2E installation methods.

## 4. OPERATING INSTRUCTIONS

The Moman H2E is designed for intuitive, one-touch operation, even with gloves. Familiarize yourself with the controls and features below.

### 4.1. Power On/Off and Pairing

- **Power On:** Press and hold the power button until the indicator light turns on.
- **Power Off:** Press and hold the power button until the indicator light turns off.
- **Bluetooth Pairing:** In power-off state, press and hold the power button for approximately 5 seconds until the indicator light flashes red and blue alternately. On your mobile device, search for "Moman H2E" and connect.
- **Automatic Reconnection:** The device will automatically reconnect to the last paired device when powered on and within range.

## 4.2. Audio Multitasking (Dual-Chip Technology)

The H2E features advanced dual-chip technology, allowing seamless mixing of audio sources without interruption.

- You can simultaneously engage in intercom conversations while listening to music, FM radio, or GPS navigation.
- The system intelligently manages audio levels to ensure clear communication.



Figure 4.1: Audio Multitasking capabilities of the Moman H2E.

## 4.3. Intercom Communication

- **One-Click Pairing:** Easily pair with another H2E unit for rider-to-rider communication. Refer to the specific pairing

instructions in the full user manual for multi-unit connections.

- **Range:** Enjoy clear intercom communication up to 1000 meters in open terrain.



Figure 4.2: Moman H2E Intercom range and pairing feature.

#### 4.4. Audio Features

- **Hi-Fi Stereo Sound:** Equipped with 40mm speakers for deep bass and crisp highs, providing an immersive audio experience.
- **Triple Noise Cancellation:** Built-in DSP, CVC, and windproof mic technology reduce ambient noise by 98%, ensuring clear voice communication even at high speeds.
- **FM Radio:** Access built-in FM radio (87.5-108MHz) for entertainment during rides.
- **Music Sharing:** Share your music with a riding partner or passenger.
- **AI Voice Assistant:** Activate your phone's voice assistant (e.g., Siri, Google Assistant) for hands-free control.

# Hi-Fi Stereo Sound & Triple Noise Reduction



Figure 4.3: Hi-Fi Stereo Sound and Triple Noise Reduction features.

# Multiple Riding Sensations In One

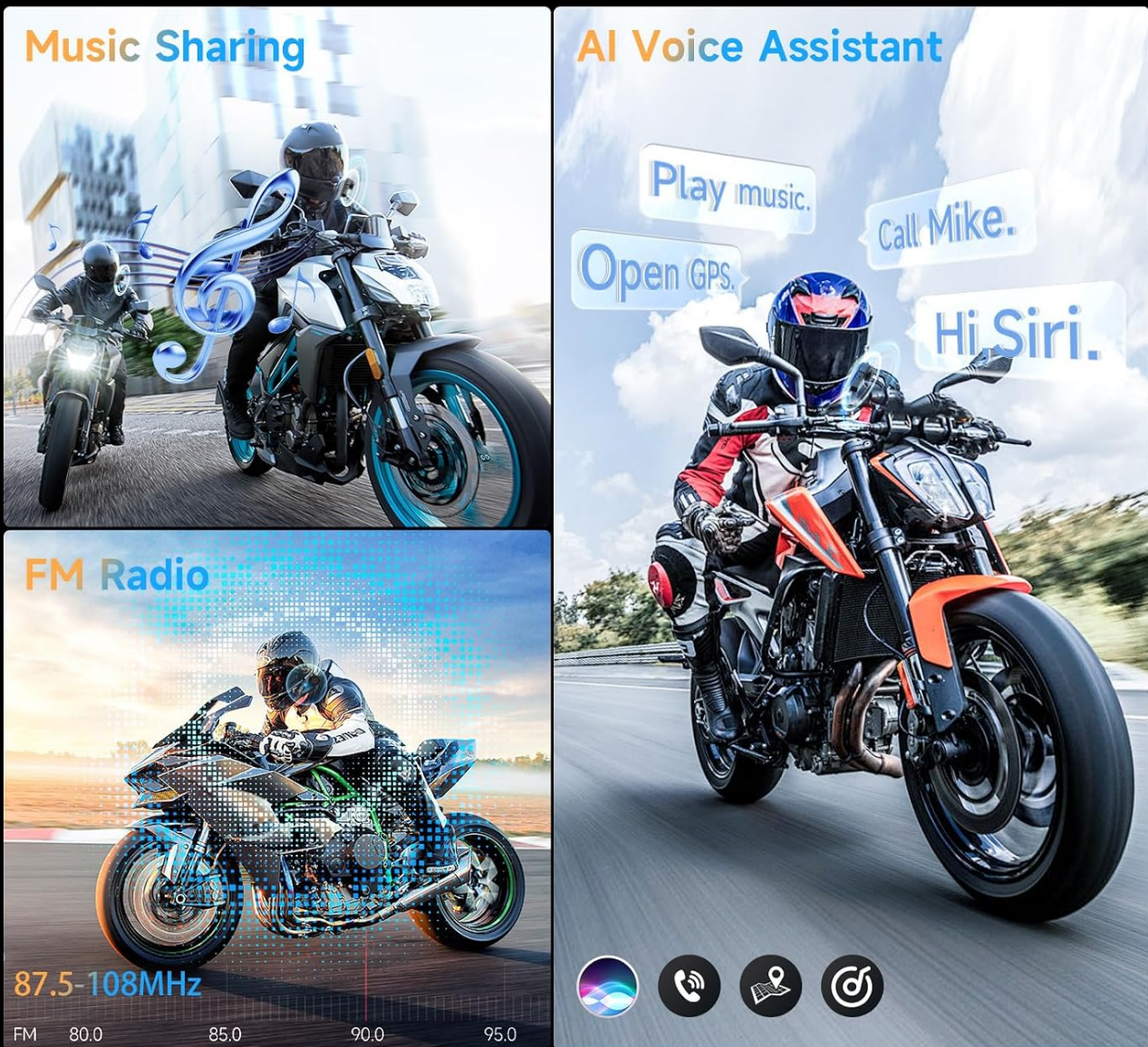


Figure 4.4: Multiple audio features including Music Sharing, FM Radio, and AI Voice Assistant.

## 4.5. Controls and Design

- **Intuitive Knob:** The large, glove-friendly control knob allows for easy adjustments while riding.
- **One-Click Operation:** Simple controls for pairing, muting, activating voice assistant, sharing music, and answering calls.
- **Eagle-Like Design:** Unique aesthetic with interchangeable color shells (3 included) to customize your device.

# Eagle-Like Design With Personality

Cool Biomimetic Appearance

## Eagle-Like



Figure 4.5: Intuitive control knob for easy operation.



Figure 4.6: Eagle-Like Design with customizable shells.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your Moman H2E, follow these maintenance guidelines:

- **Cleaning:** Wipe the main unit and speakers with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** The H2E has an IPX6 waterproof rating, making it resistant to rain and splashes. However, avoid submerging the device in water. Ensure the charging port cover is securely closed when not charging.
- **Battery Care:**
  - Charge the device fully before first use.
  - For long-term storage, charge the battery to about 50% every few months to prevent deep discharge.
  - Avoid exposing the device to extreme temperatures, which can degrade battery life.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

# Intuitive knob For Effortless Control



Figure 5.1: Moman H2E Battery Capacity and Usage Times.

## 6. TROUBLESHOOTING

If you encounter issues with your Moman H2E, please refer to the following common problems and solutions:

| Problem                                  | Possible Cause                                                        | Solution                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Device does not power on.                | Low battery.                                                          | Charge the device fully using the provided USB cable.                                                                                              |
| Cannot pair with phone/another intercom. | Device not in pairing mode;<br>Bluetooth off on phone; too far apart. | Ensure device is in pairing mode (flashing red/blue). Turn on Bluetooth on your phone. Bring devices closer. Clear previous pairings if necessary. |

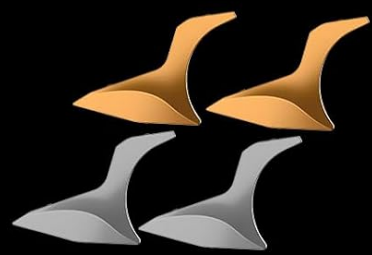
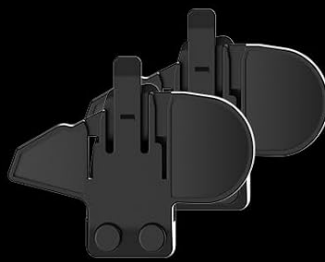
| Problem                                    | Possible Cause                                                       | Solution                                                                                                                              |
|--------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| No sound or low volume.                    | Volume too low; speakers not connected properly; speakers misplaced. | Adjust volume using the control knob. Check speaker connections. Ensure speakers are positioned correctly over ears.                  |
| Intercom connection is unstable or breaks. | Out of range; interference; obstacles.                               | Move closer to the other intercom unit. Avoid areas with strong electromagnetic interference.                                         |
| Microphone not picking up voice clearly.   | Microphone not positioned correctly; wind noise.                     | Ensure microphone is close to your mouth. Close face shield at higher speeds. The noise cancellation should mitigate most wind noise. |

If the problem persists after trying these solutions, please contact Moman customer support.

## 7. SPECIFICATIONS

| Feature                  | Detail                                                |
|--------------------------|-------------------------------------------------------|
| Model Name               | H2E-1                                                 |
| Connectivity Technology  | Wireless (Bluetooth 4.2)                              |
| Frequency Response       | 2.4 GHz                                               |
| Intercom Range           | Up to 1000m                                           |
| Battery Capacity         | 800mAh                                                |
| Working Time             | Up to 25 Hours                                        |
| Standby Time             | 300 Hours                                             |
| Charging Time            | Approx. 2 Hours                                       |
| Charging Port            | Type-C                                                |
| Water Resistance Level   | IPX6 Waterproof                                       |
| Speaker Diameter         | 40mm                                                  |
| FM Radio Frequency Range | 87.5 MHz - 108 MHz                                    |
| Noise Control            | Hybrid Noise Cancellation (DSP + CVC + Windproof Mic) |
| Material                 | Plastic                                               |
| Item Weight              | 11.3 ounces (0.32 Kilograms)                          |

# Enriched Accessories Included



## Specifications

IC certification number: 27608-H2PRO

Transmission Range: up to 1000m

Charging Port: Type-C

Standby Time: 300H

Charging Voltage: 5V

Speaker Diameter: 40mm

Frequency Range; 2402-2480MHz

Figure 7.1: Moman H2E Technical Specifications.

## 8. WARRANTY AND SUPPORT

Moman stands behind the quality of its products. For specific warranty details and terms, please refer to the warranty card included in your product packaging or visit the official Moman website.

For technical support, troubleshooting assistance, or any inquiries regarding your Moman H2E, please contact Moman customer service through their official channels. You can often find support information on the brand's official store page:

Visit the Moman  
Store

Please have your product model number (H2E-1) and purchase information ready when contacting support.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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