

## Moman H2 Pro

# Moman H2 Pro Motorcycle Helmet Intercom System User Manual

Model: H2 Pro

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Moman H2 Pro Motorcycle Helmet Intercom System. Please read this manual carefully before use to ensure optimal performance and safety.



Image: The Moman H2 Pro intercom unit, showcasing its compact design and control knob.

## 2. KEY FEATURES

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- **Advanced Bluetooth 5.1 Connectivity:** Ensures stable connection with minimal latency and a transmission range of up to 1000 meters for two-way communication.
- **Hi-Fi Stereo & Triple Noise Reduction:** Features 40mm Hi-Fi speakers for vivid audio and DSP, CVC, and wind-proof microphone technology to reduce ambient noise by up to 95%.
- **AI Voice Assistant:** Hands-free control for calls, music, and navigation.
- **User-Friendly Controls:** Large knobs and glove-friendly buttons for easy operation.
- **Entertainment Options:** Built-in FM radio and music sharing capability.
- **Durable Design:** 900mAh battery providing up to 20 hours of continuous operation and IP65 water resistance for reliable performance in various weather conditions.

# FUNCTION OVERVIEW



Upgraded  
Connection Tech



Full Duplex  
Intercom



Hi-Fi Stereo



Music Control



FM  
Radio



CVC&DSP  
Noise Cancellation



IP65  
Waterproof



900mAh  
Battery



Image: An overview of the Moman H2 Pro's functions, including upgraded connection, full duplex intercom, Hi-Fi stereo, music control, FM radio, CVC&DSP noise cancellation, IP65 waterproof rating, and 900mAh battery.

## 3. SETUP AND INSTALLATION

This section guides you through the physical installation of the Moman H2 Pro system onto your motorcycle helmet.

### 3.1. Package Contents

Ensure all components are present before beginning installation:

- Moman H2 Pro Intercom Unit

- Headset with Speakers and Microphone
- Helmet Mounting Clip
- USB Charging Cable
- Allen Wrench (for clip installation)
- Adhesive Pads

## 3.2. Helmet Preparation

1. If your helmet has removable padding, gently remove the inner lining to access the ear pockets and chin bar area.
2. Identify suitable locations for the speakers (near your ears) and the microphone (near your mouth).

## 3.3. Speaker and Microphone Installation

1. Pass the speaker cable port from the inside of the helmet to the outside, typically through a gap in the helmet's lining.
2. Peel off the adhesive backing from the microphone and attach it securely to the inside of the helmet, ensuring it is positioned close to your mouth for clear audio capture. The microphone's flexible arm allows for precise positioning.
3. Peel off the adhesive backing from the speakers and attach them inside the helmet's ear pockets, ensuring they are centered over your ears for optimal sound.
4. Carefully tuck any excess wiring under the helmet's padding to prevent interference and ensure comfort.
5. Reinstall the helmet's inner padding if it was removed.

## 3.4. Intercom Unit Mounting

1. Attach the helmet mounting clip to the side of your helmet, typically on the left side. Use the provided Allen wrench to tighten the screws for a secure fit.
2. Slide the Moman H2 Pro intercom unit onto the mounted clip until it clicks into place.
3. Connect the headset cable to the intercom unit's port.

Your browser does not support the video tag.

Video: This video demonstrates the physical installation process of the Moman H2 Pro intercom system, including mounting the unit, speakers, and microphone onto a motorcycle helmet.

# 4. OPERATING INSTRUCTIONS

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## 4.1. Power On/Off

- **Power On:** Press and hold the On/Off Key for approximately 2 seconds until the indicator light illuminates and you hear a voice prompt. The unit will enter pairing mode automatically if not previously paired.
- **Power Off:** Press and hold the On/Off Key for approximately 6 seconds until the indicator light turns off and you hear a voice prompt.

## 4.2. Pairing and Disconnection

- **Pairing with Mobile Phone:** From the off state, press and hold the Function Key for 4 seconds to enter pairing mode. Search for "MOMAN H2 PRO" on your phone's Bluetooth settings and connect. A voice prompt will confirm "Bluetooth connected".
- **Intercom Pairing (Unit to Unit):** With both units off, press and hold the Function Key on both units for 4 seconds to enter pairing mode. Then, single-press the Function Key on one unit to initiate intercom search. A voice prompt will confirm "Intercom Search" and then "Pairing successful" once connected. Ensure units are within 1 meter during initial pairing.
- **Reconnection:** In standby mode, single-press the Function Key to reconnect. A voice prompt will confirm "Reconnection successful".
- **Disconnection:** In standby mode, single-press the Function Key to disconnect. A voice prompt will confirm "Disconnection successful".



### 4.3. Call Functions

- **Answer/End Call:** Single-press the Function Key.
- **Automatic Answer:** If no action is taken for 8 seconds during an incoming call, the call will be answered automatically.
- **Turning Auto Answer Function On/Off:** With Bluetooth disconnected, double-press the Function Key. A voice prompt will indicate "Auto answer function on" or "Auto answer function off".
- **Reject Call:** Press and hold the Function Key for 3 seconds.
- **Redial:** In standby mode, double-press the Function Key to redial the last number.

### 4.4. Music Control

- **Play/Pause:** Single-press the Function Key.
- **Next Song:** Rotate the knob clockwise.
- **Previous Song:** Rotate the knob counter-clockwise.
- **Music Share Function On/Off:** With Bluetooth connected, press and hold the Function Key for 2 seconds. A voice prompt will indicate "Music Share Function On" or "Music Share Function Off".

### 4.5. Volume Adjustment

- **Increase Volume:** Rotate the knob clockwise.
- **Decrease Volume:** Rotate the knob counter-clockwise.

### 4.6. FM Radio

- **Turn On FM:** In standby mode, double-press the On/Off Key.
- **Select Channels:** Rotate the knob clockwise or counter-clockwise to change FM channels.
- **Turn Off FM:** Double-press the On/Off Key again.

### 4.7. Switching Modes

- **Enter/Exit Intercom Mode:** Double-press the Function Key.
- **Enter/Exit Music Mode:** Single-press the Function Key.
- **Enter/Exit FM Radio Mode:** Double-press the On/Off Key.

### 4.8. AI Voice Assistant

- **Activate Voice Assistant:** With Bluetooth connected, single-press the On/Off Key. A voice prompt "Beep" will confirm activation.

### 4.9. Language Switch

- **Change Language:** Press and hold the On/Off Key and rotate the knob simultaneously. The available languages are English, Japanese, and Italian.

## 5. MAINTENANCE

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- **Cleaning:** Use a soft, damp cloth to clean the exterior of the intercom unit. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if stored for extended periods.
- **Water Resistance:** The Moman H2 Pro is IP65 water-resistant, meaning it is protected against dust and low-pressure water jets. It is not designed for submersion. Ensure all ports are securely closed before exposure to moisture.

# IP65 Waterproof & Dustfree



Image: The Moman H2 Pro unit demonstrating its IP65 waterproof and dust-free capabilities, showing resistance to snow, water, dust, and mud.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or incorrect power-on procedure.	Charge the device fully. Ensure the On/Off Key is pressed and held for 2 seconds.

Problem	Possible Cause	Solution
Cannot pair with phone/intercom.	Device not in pairing mode, too far apart, or interference.	Ensure the device is in pairing mode (blinking indicator light). Keep devices within 1 meter for intercom pairing. Restart both devices.
No sound from speakers.	Volume too low, speakers incorrectly connected, or faulty speakers.	Increase volume. Check speaker connections. Test with another audio source if possible.
Microphone not picking up voice.	Microphone positioned incorrectly or faulty.	Adjust microphone position closer to your mouth. Ensure it's securely connected.
Intercom connection drops frequently.	Out of range, environmental interference, or low battery.	Stay within the 1000-meter range. Avoid areas with strong electromagnetic interference. Ensure units are fully charged.

## 7. SPECIFICATIONS

- **Model Name:** H2 Pro
- **Brand:** Moman
- **Connectivity Technology:** Wireless (Bluetooth 5.1)
- **Communication Range:** Up to 1000 meters (intercom)
- **Audio Features:** Hi-Fi Stereo, 40mm Speakers, DSP & CVC Noise Reduction
- **Battery:** 900mAh (up to 20 hours continuous operation)
- **Water Resistance:** IP65
- **Control:** AI Voice Assistant, Large Knob and Glove-Friendly Buttons
- **Additional Features:** FM Radio, Music Sharing
- **Impedance:** 32 Ohms

## 8. WARRANTY AND SUPPORT

Moman products are designed and manufactured to the highest quality standards. For detailed warranty information, technical support, or service inquiries, please refer to the official Moman website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.  
Official Moman Website: [Moman Store on Amazon](#)