Moman RS-H4C

Moman H4C Motorcycle Helmet Headset with 1080P Camera

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the Moman H4C Motorcycle Helmet Headset with an integrated 1080P camera. The H4C is designed to enhance your riding experience by combining communication, entertainment, and video recording capabilities. It features a 1080P HD camera with a 120° wide-angle lens, Bluetooth 5.3 connectivity, HiFi stereo sound, AI voice assistant, and IPX6 waterproof rating.

Please read this manual thoroughly before using the device to ensure proper operation and to maximize its performance and longevity.

2. SAFETY INFORMATION

- Always prioritize road safety. Do not operate the device in a manner that distracts you from riding.
- Ensure the device is securely mounted to your helmet before riding.
- Adjust volume levels to allow awareness of surrounding traffic and emergency signals.
- Do not attempt to disassemble or modify the device. This may void the warranty and pose safety risks.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive materials.
- Use only the provided charging cable and adapter to prevent damage.

3. PRODUCT OVERVIEW

3.1 Package Contents

- Moman H4C Headset Unit
- Speaker and Microphone Kit

- Mounting Bracket (Clip-on and Adhesive)
- USB-C Charging Cable
- 32GB TF-Card (Pre-installed or separate)
- User Manual
- Installation Tools (e.g., Allen wrench)

3.2 Device Layout

Figure 1: Moman H4C Headset with labeled components. This image illustrates the various buttons and ports on the device, including the Camera/WiFi Key, Recorder Key, Volume Up/Next Song, Volume Down/Previous Song, AI Voice Assistant button, On/Off/Play/Pause/Answer Key, Speaker/Microphone Interface, TF Card Slot, and Charging Interface.

1. **Camera/WiFi Key:** Activates camera functions and WiFi hotspot.
2. **Recorder Key:** Starts and stops video recording.
3. **Volume Up/Next Song:** Increases volume or skips to the next track.
4. **Volume Down/Previous Song:** Decreases volume or goes to the previous track.
5. **AI Voice Assistant:** Activates the voice assistant (Siri/Google Assistant).
6. **On/Off/Play/Pause/Answer Key:** Powers the device, controls music playback, and manages calls.

7. **Speaker/Microphone Interface:** Connects the helmet speakers and microphone.

8. **TF Card Slot:** For inserting the microSD card for video storage.

9. **Charging Interface:** USB-C port for charging the device.

4. Setup

4.1 Mounting the Headset

The Moman H4C can be mounted using either the clip-on bracket or the adhesive bracket, depending on your helmet type and preference.

1. **Choose Mounting Location:** Select a flat area on the left side of your helmet where the headset will not obstruct your vision or movement.

2. **Install Speakers:** Place the speakers inside the helmet's ear pockets. Ensure they are positioned directly over your ears for optimal sound quality. Route the speaker wires neatly under the helmet lining.

3. **Install Microphone:** Attach the microphone to the inside of the helmet, near your mouth. For full-face helmets, use the boom microphone. For open-face helmets, use the soft-wire microphone.

4. **Attach Bracket:**

    - *Clip-on Bracket:* Slide the bracket between the helmet shell and the inner padding. Tighten the screws with the provided tool to secure it.

    - *Adhesive Bracket:* Clean the chosen area on the helmet surface thoroughly. Peel off the protective film from the adhesive pad and firmly press the bracket onto the helmet for at least 30 seconds. Allow 24 hours for the adhesive to cure before use.

5. **Attach Headset Unit:** Slide the Moman H4C unit onto the installed bracket until it clicks into place. Connect the speaker and microphone cables to the corresponding ports on the headset.

4.2 Charging the Device

Figure 2: The Moman H4C headset highlighting its 1500mAh battery, charging time of 3 hours, and up to 50 hours of working time.

Before first use, fully charge the Moman H4C. Connect the USB-C charging cable to the charging interface on the headset and the other end to a USB power adapter (not included) or a computer USB port.

- The charging indicator light will illuminate during charging.
- A full charge typically takes approximately 3 hours.
- The indicator light will change or turn off once charging is complete.

4.3 Inserting the TF-Card

The Moman H4C supports TF-cards up to 256GB. A 32GB TF-card is typically included.

1. Locate the TF card slot on the side of the headset unit.
2. Gently insert the TF card into the slot with the contacts facing down until it clicks into place.
3. To remove, push the card in slightly until it springs out.

5. Operating Instructions

5.1 Power On/Off

- **Power On:** Press and hold the **On/Off/Play/Pause/Answer Key** for approximately 3 seconds until you hear a power-on prompt and the indicator light flashes.
- **Power Off:** Press and hold the **On/Off/Play/Pause/Answer Key** for approximately 5 seconds until you hear a power-off prompt and the indicator light turns off.

5.2 Bluetooth Pairing

The Moman H4C can connect to two smartphones simultaneously.

1. Ensure the headset is powered off.
2. Press and hold the **On/Off/Play/Pause/Answer Key** for about 7 seconds until the indicator light flashes red and blue alternately, indicating pairing mode.
3. On your smartphone, enable Bluetooth and search for "Moman H4C". Select it to connect.
4. Once connected, the indicator light will flash blue slowly. You will hear a "Connected" prompt.
5. To connect a second phone, repeat steps 2-4. The headset will automatically prioritize audio from the active device.

5.3 Music Playback

- **Play/Pause:** Press the **On/Off/Play/Pause/Answer Key** once.
- **Volume Up:** Press the **Volume Up/Next Song** button.
- **Volume Down:** Press the **Volume Down/Previous Song** button.
- **Next Song:** Press and hold the **Volume Up/Next Song** button.
- **Previous Song:** Press and hold the **Volume Down/Previous Song** button.

5.4 Phone Call Management

- **Answer Call:** Press the **On/Off/Play/Pause/Answer Key** once.
- **End Call:** Press the **On/Off/Play/Pause/Answer Key** once during a call.
- **Reject Call:** Press and hold the **On/Off/Play/Pause/Answer Key** for 2 seconds.
- **Redial Last Number:** Double-press the **On/Off/Play/Pause/Answer Key**.

5.5 AI Voice Assistant

Figure 3: Illustration of the Moman H4C's AI Voice Assistant feature, showing a rider interacting with the headset for tasks like playing music, opening GPS, or making calls hands-free.

Activate your smartphone's voice assistant (Siri or Google Assistant) directly from the headset.

- **Activate Voice Assistant:** Press the **AI Voice Assistant** button once. You can then issue commands such as "Play music," "Call [contact name]," or "What's the weather?"

5.6 Camera Operation (1080P HD Recording)

Figure 4: Comparison of 1080P HD recording quality from the Moman H4C camera versus 720P from other devices, emphasizing clear visualization at 30 frames per second.

Figure 5: The Moman H4C camera's 120° wide-angle shooting capability and 360° rotation for flexible adjustment, allowing a wider view during rides.

- **Start Recording:** Press the **Recorder Key** once. The camera indicator light will flash to confirm recording has started.
- **Stop Recording:** Press the **Recorder Key** again. The camera indicator light will stop flashing.
- **Loop Recording:** The H4C features automatic loop recording. When the TF card is full, the oldest unprotected files will be overwritten to ensure continuous recording.
- **Camera Angle Adjustment:** The camera lens can be rotated 360° to capture various angles.

5.7 WiFi Function and App Control
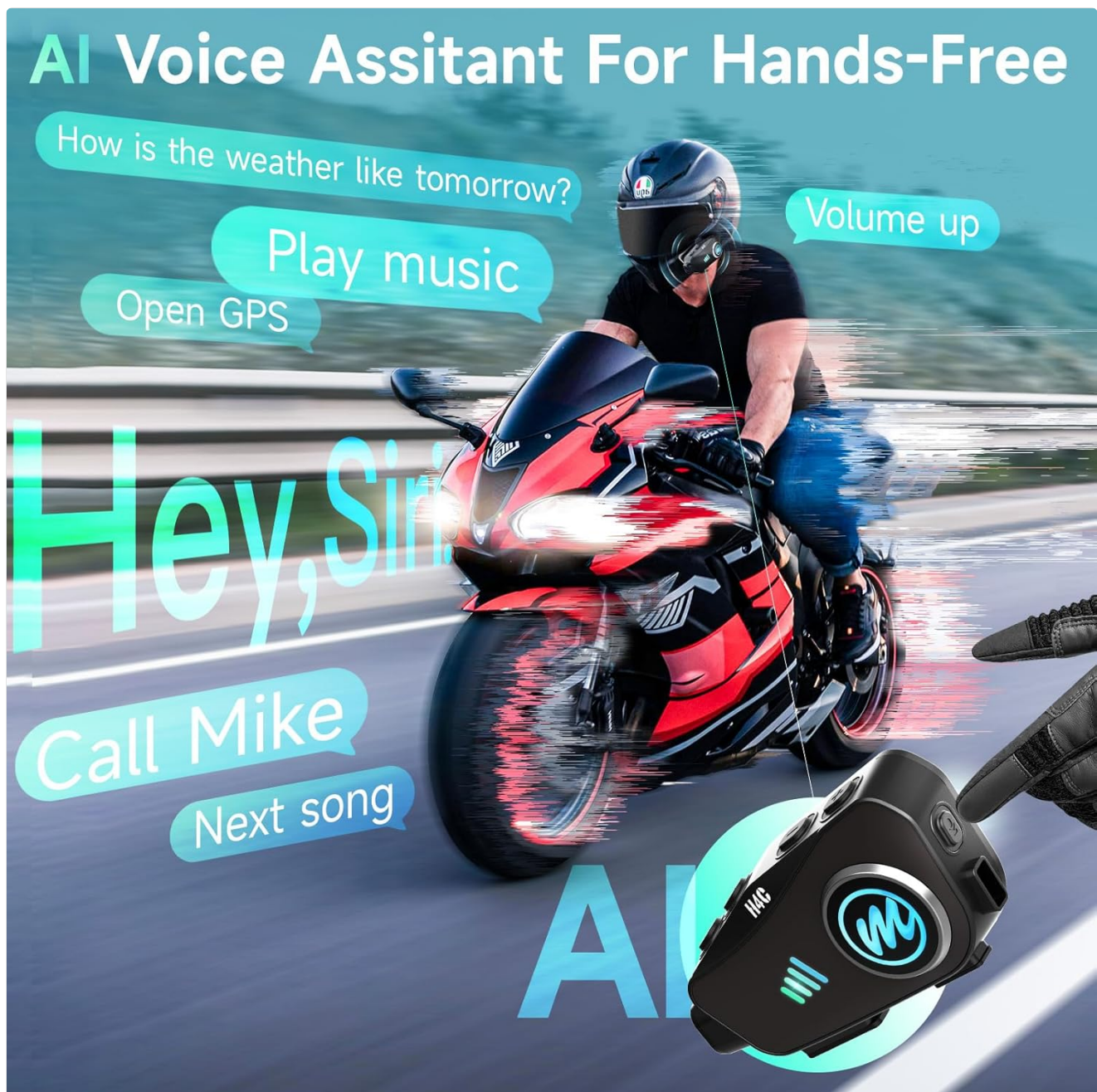
Figure 6: The Moman H4C headset connecting via WiFi hotspot to a smartphone running the "RoadCam" app, enabling easy download and viewing of recorded videos and photos.

The Moman H4C has a built-in WiFi hotspot for easy access to recorded footage via the "RoadCam" app.

1. **Download App:** Download the "RoadCam" app from the Google Play Store or Apple App Store.
2. **Activate WiFi:** Press and hold the **Camera/WiFi Key** for 3 seconds to activate the WiFi hotspot on the H4C. The WiFi indicator light will flash.
3. **Connect to WiFi:** On your smartphone, go to WiFi settings and connect to the H4C's WiFi network (e.g., "Moman_H4C_XXXX").
4. **Access Footage:** Open the "RoadCam" app. You can now view live camera feed, browse recorded videos and photos, and download them to your phone.
5. **Deactivate WiFi:** Press and hold the **Camera/WiFi Key** again for 3 seconds to turn off the WiFi hotspot.

6. MAINTENANCE

6.1 Cleaning

- Wipe the headset unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the charging port and TF card slot are free from dust and debris.
- The device is IPX6 waterproof, meaning it is protected against high-pressure water jets. However, avoid submerging it in water.

Figure 7: The Moman H4C headset demonstrating its IPX6 waterproof and dust-free capabilities, suitable for various weather conditions including snow, rain, dust, and mud.

6.2 Storage

- Store the device in a cool, dry place when not in use.
- Avoid storing in direct sunlight or areas with high humidity.

6.3 Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- If storing for an extended period, charge the battery to about 50% every few months.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device for at least 30 minutes.
Cannot pair with smartphone.	Device not in pairing mode; Bluetooth off on phone.	Ensure headset is in pairing mode (red/blue flashing light). Enable Bluetooth on phone and search again.
No sound from speakers.	Volume too low; speakers improperly connected; speakers not positioned correctly.	Increase volume. Check speaker connections. Adjust speaker position over ears.
Recording issues (e.g., not recording, poor quality).	TF card full or corrupted; camera lens obstructed; low battery.	Check TF card storage, format if necessary. Clean camera lens. Ensure sufficient battery.
WiFi connection issues with app.	WiFi hotspot not activated; incorrect network selected.	Activate H4C WiFi hotspot. Ensure phone is connected to the correct H4C WiFi network.

8. SPECIFICATIONS

Feature	Detail
Model Name	Moman RS (RS-H4C Camera)
Camera Resolution	1080P HD
Camera Angle	120° Wide Angle, 360° Rotation
Connectivity	Bluetooth 5.3, WiFi Hotspot
Audio	HiFi Stereo Sound, 40mm Speaker
Noise Control	Active Noise Cancellation
Voice Assistant	AI Voice Assistant (Siri/Google Assistant)
Battery Capacity	1500mAh
Charging Time	Approx. 3 hours
Video Recording Time	Up to 6.5 hours

Feature	Detail
Music Playback Time	Up to 50 hours
Waterproof Rating	IPX6
Memory Card Support	Up to 256GB TF-Card
Item Weight	0.31 Kilograms (10.8 ounces)
Material	Plastic

9. WARRANTY AND SUPPORT

Moman products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official Moman website.
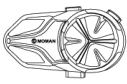
For technical support, troubleshooting assistance, or any inquiries regarding your Moman H4C headset, please contact Moman Customer Service through the following channels:

- **Official Website:** www.moman.co (or relevant regional website)
- **Email Support:** Refer to your product packaging or official website for the latest support email address.

Please have your product model number (RS-H4C) and purchase information ready when contacting support.

Related Documents - RS-H4C

	MOMAN H4C Motorcycle Helmet Headset: User Manual & Features Comprehensive guide to the MOMAN H4C motorcycle helmet headset, detailing its Bluetooth connectivity, integrated recorder, app control via Roadcam, and operational instructions. Includes specifications and care tips.
	MOMAN RiderSound-S Helmet Headset User Manual Comprehensive user manual for the MOMAN RiderSound-S Helmet Headset, detailing features, operations, installation, and specifications for motorcycle riders.
	MOMAN H4 Plus Wireless Helmet Headset User Manual User manual for the MOMAN H4 Plus Wireless Helmet Headset, detailing product features, operation instructions, specifications, and safety information.

	[MOMAN CP-X Helmet Intercom User Manual](#) This user manual provides detailed instructions for the MOMAN CP-X Helmet Intercom, covering setup, Bluetooth pairing, mesh intercom modes (Open Mesh, Group Mesh), phone control, music playback, voice assistant, charging, language settings, FM radio, reset procedures, installation, removal, and technical specifications.
	[MOMAN H2 PRO Headset Helmet Intercom User Manual](#) The MOMAN H2 PRO Headset Helmet Intercom User Manual provides comprehensive instructions for operating, installing, and maintaining the H2 PRO Bluetooth intercom system. Learn about features like music control, phone calls, FM radio, multi-intercom pairing, and troubleshooting for an optimal helmet communication experience.
	[MOMAN H2 PRO Motorcycle Helmet Intercom User Manual](#) Detailed user manual for the MOMAN H2 PRO motorcycle helmet intercom. This guide provides comprehensive instructions on installation, operation, phone and music controls, FM radio functions, Bluetooth pairing, music sharing, technical specifications, charging, and important safety notes.