

Moman MOMAN H4C

Moman H4C Motorcycle Helmet Headset with Camera User Manual

Model: MOMAN H4C

INTRODUCTION

The Moman H4C Motorcycle Helmet Headset with Camera is designed to enhance your riding experience by combining communication, audio, and video recording capabilities. This device features a 1080P HD camera with a 120° wide-angle lens and 360° body rotation, allowing for comprehensive recording of your journeys. It supports Bluetooth 5.3 for stable connections to two smartphones simultaneously, offering HiFi stereo sound through 40mm speakers. The H4C also includes AI voice assistant integration, loop recording, and is IPX6 waterproof, ensuring reliable performance in various weather conditions.



Figure 1: Moman H4C Motorcycle Helmet Headset with Camera.

SETUP

Package Contents

Before beginning, please verify that all items are present in the package:

- Moman H4C Headset Unit
- Mounting Bracket
- Microphone
- Speakers
- USB Charging Cable
- User Manual
- 32GB TF Card

Device Overview

Familiarize yourself with the buttons and ports on your Moman H4C headset:



Figure 2: Moman H4C control layout, showing Camera/WiFi Key, Recorder Key, On/Off Key, Volume Up/Next Song, Volume Down/Previous, AI Voice Assistant, TF card slot, Charging Interface, Speaker/Microphone Interface.

- **On/Off Key:** Power on/off, Play/Pause, Answer calls.
- **Recorder Key:** Start/stop recording.
- **Camera/WiFi Key:** Take photos, activate/deactivate Wi-Fi.
- **Volume Up/Next Song:** Increase volume, skip to next track.
- **Volume Down/Previous:** Decrease volume, go to previous track.
- **TF Card Slot:** For inserting the memory card.
- **Charging Interface:** USB port for charging.
- **Speaker/Microphone Interface:** Connects the speakers and microphone.

Installation

To install the Moman H4C on your helmet:

1. Attach the mounting bracket to the side of your helmet using the provided adhesive or clamp. Ensure it is securely fastened.
2. Slide the Moman H4C unit onto the mounting bracket until it clicks into place.
3. Route the speaker and microphone wires inside the helmet, positioning the speakers in the ear pockets and the microphone near your mouth.
4. Connect the speaker and microphone cables to the corresponding interface on the H4C unit.
5. Adjust the camera angle for optimal recording. The camera features 360° body rotation for flexible positioning.



Figure 3: Moman H4C mounted on a helmet, illustrating its wide-angle and rotational capabilities.

Charging the Device

The Moman H4C is equipped with a 1500mAh battery. To charge:

- Connect the provided USB charging cable to the charging interface on the headset and to a USB power source.
- A full charge takes approximately 3 hours.
- The device provides up to 50 hours of music playback and 6.5 hours of video recording on a single charge.

1500mAh Large Capacity Battery



 **3H**
Charging Time

 **6.5H**
Recording Time

 **50H**
Working Time

 **500H**
Standby Time

Figure 4: Battery specifications and charging times for the Moman H4C.

OPERATING INSTRUCTIONS

Power On/Off

- To power on, long press the **On/Off Key** for 3 seconds until the blue light flashes.
- To power off, long press the **On/Off Key** for 3 seconds.

Video Recording and Photo Capture

The Moman H4C features a 1080P HD camera for capturing your rides.

- To turn on the recorder, long press the **Recorder Key** for 3 seconds. The blue light will illuminate.
- To start or finish recording, short press the **Recorder Key**. The blue light will flash when recording.
- To take photos, short press the **Camera/WiFi Key**. The blue light will flash once when a photo is taken.

- The device supports loop recording, automatically overwriting the oldest unprotected files when the 32GB TF card is full. It supports up to 256GB memory cards.



Figure 5: Illustration of the loop recording function.

Superb 1080P HD Shooting

Clear visualisation for your record



Figure 6: Comparison of 1080P HD shooting quality.

Wi-Fi Connection and App Usage

Connect your Moman H4C to your smartphone via Wi-Fi to view and download recorded videos and photos using the "RoadCam" app.

1. Ensure the recorder is turned on (long press Recorder Key for 3 seconds).
2. Double click the **Camera/WiFi Key** to turn on Wi-Fi.
3. On your smartphone, go to Wi-Fi settings and connect to the network named "MOMAN H4C PLUS".
4. Open the downloaded "RoadCam" app and click "Add Recorder" to connect.
5. Once connected, you can view recorded videos and photos directly from the app.
6. To turn off Wi-Fi and exit the app, double click the **Camera/WiFi Key**. The device will re-enter recording mode.

Wifi Hotspot With APP Control

Easily download photos and videos and view the scenery anytime and anywhere



Figure 7: Connecting the Moman H4C to the RoadCam app via Wi-Fi.

Your browser does not support the video tag.

Video 1: Official Moman H4C recording and Wi-Fi connection operation guide.

Bluetooth Pairing and Audio Features

The H4C uses Bluetooth 5.3 for stable connections and high-quality audio.

- The headset can connect to two smartphones simultaneously for navigation, calls, and music.
- Enjoy powerful bass and high sound quality through the 40mm HiFi speakers, creating an immersive audio experience.
- Use the **Volume Up/Next Song** and **Volume Down/Previous** buttons to control audio playback.

AI Voice Assistant

Activate your smartphone's voice assistant for hands-free control.

- Simply press the dedicated **AI Voice Assistant** button on the headset to wake up your voice assistant or Siri.
- This allows for safe control of functions like navigation, calls, and music without diverting attention from the road.
- The device also supports hands-free auto-answer calls.



Figure 8: Using the AI Voice Assistant for hands-free operation.

MAINTENANCE

Cleaning

- Wipe the exterior of the headset with a soft, damp cloth.
- Avoid using harsh chemicals or abrasive cleaners.
- Ensure all ports are dry before charging or using in wet conditions.

Storage

- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to about 50% to prolong its lifespan.

Waterproofing

The Moman H4C has an IPX6 waterproof rating, making it suitable for use in various weather conditions.



Figure 9: Moman H4C's IPX6 waterproof and dust-free features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Incorrect power-on procedure.	Charge the device fully. Long press the On/Off Key for 3 seconds.

Problem	Possible Cause	Solution
Cannot connect to Wi-Fi.	Wi-Fi not activated on device; Incorrect Wi-Fi network selected; App issue.	Double click Camera/WiFi Key to activate Wi-Fi. Ensure you select "MOMAN H4C PLUS" network. Restart the "RoadCam" app.
Recording not starting/stopping.	Recorder not activated; TF card full or corrupted.	Long press Recorder Key to activate. Check TF card storage or format it.
Poor audio quality/no sound.	Speakers/microphone not connected properly; Volume too low.	Ensure speaker and microphone cables are securely connected. Adjust volume using the dedicated buttons.
Bluetooth pairing issues.	Device not in pairing mode; Interference.	Refer to the Bluetooth pairing section in the full manual (if available). Ensure no other devices are interfering.

SPECIFICATIONS

Feature	Detail
Model Name	H4C
Video Capture Resolution	1080p
Camera Angle	120° Wide Angle
Camera Rotation	360°
Connectivity Technology	Wireless (Bluetooth 5.3, Wi-Fi)
Speaker Size	40mm HiFi Speaker
Battery Capacity	1500mAh
Charging Time	Approx. 3 hours
Music Playback Time	Up to 50 hours
Video Recording Time	Up to 6.5 hours
Waterproof Rating	IPX6
Memory Card Support	Up to 256GB (32GB TF card included)
Product Dimensions	3.94 x 3.15 x 3.94 inches
Item Weight	11.7 ounces

WARRANTY INFORMATION

Moman products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Moman website. Keep your purchase receipt as

proof of purchase for any warranty claims.

CUSTOMER SUPPORT

Should you encounter any issues or have questions regarding your Moman H4C headset, please contact Moman customer support through their official website or the contact information provided in your product packaging. For the latest updates and support resources, visit the [Moman Store on Amazon](#).