Moman H4C

Moman H4C Motorcycle Helmet Headset with 1080P Camera User Manual

Model: H4C

1. INTRODUCTION

The Moman H4C is a motorcycle helmet headset designed to enhance your riding experience with integrated communication and recording capabilities. It features a 1080P HD camera, Bluetooth 5.3 connectivity, Hi-Fi stereo sound, and IPX6 waterproofing. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and safety.

Image 1.1: Moman H4C Motorcycle Helmet Headset with Camera. This image shows the main unit of the Moman H4C headset, highlighting its compact design and integrated camera lens.

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 sounds.
- 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 and direct sunlight.
- Charge the device using only the provided cable and a compatible power source.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Moman H4C Headset Unit

- Helmet Mounting Bracket

- Speakers (pre-attached to wiring)

- Microphone (boom or soft wire, depending on helmet type)

- USB Charging Cable

- 32GB TF Card (pre-installed or separate)

- User Manual

- Adhesive Pads and Velcro for installation

4. SETUP

4.1 Charging the Device

Before first use, fully charge the Moman H4C.

1. Locate the charging interface on the headset (refer to Image 4.1).

2. Connect the USB charging cable to the headset and a compatible USB power adapter.

3. The charging indicator light will show the charging status. A full charge typically takes about 3 hours.

Image 4.0: Moman H4C Battery and Waterproofing. This image illustrates the 1500mAh battery capacity and IPX6 waterproof rating of the device.

4.2 Installing the TF Card

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

1. Locate the TF card slot on the headset (refer to Image 4.1).

2. Gently insert the TF card into the slot until it clicks into place. Ensure correct orientation.

4.3 Mounting to Helmet

Choose a suitable location on the left side of your helmet for optimal access to controls.

1. **Attach Mounting Bracket:** Use the adhesive pad or clamp mount to securely attach the bracket to the helmet shell. Ensure the surface is clean and dry before applying adhesive.

2. **Install Speakers:** Position the speakers inside the helmet's ear pockets. Use the provided Velcro pads to secure them. Ensure they are aligned with your ears for clear audio.

3. **Install Microphone:** For full-face helmets, use the soft wire microphone and tuck it along the helmet lining towards your mouth. For open-face or modular helmets, use the boom microphone and position it close to your mouth.

4. **Connect Headset Unit:** Slide the Moman H4C unit onto the mounting bracket until it locks securely. Connect the

speaker/microphone interface cable to the headset unit.

Image 4.1: Moman H4C Control Layout. This diagram labels the Camera/WiFi Key, Recorder Key, Volume Up/Next Song, Volume Down/Previous, AI Voice Assistant, On/Off/Play/Pause/Answer Key, Speaker/Microphone Interface, TF Card Slot, and Charging Interface.

4.4 App Installation (RoadCam)

Download the "RoadCam" application to your smartphone for video viewing and management.

- Search for "RoadCam" on the Google Play Store (Android) or Apple App Store (iOS).
- Install the application on your smartphone.

Image 4.2: Moman H4C WiFi Hotspot with App Control. This image depicts a rider using the "RoadCam" app on a smartphone to control the headset's camera functions via WiFi.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Power On:** Press and hold the On/Off key (refer to Image 4.1) for approximately 3 seconds until the indicator light illuminates and you hear a power-on prompt.

- **Power Off:** Press and hold the On/Off key for approximately 3 seconds until the indicator light turns off and you hear a power-off prompt.

5.2 Bluetooth Pairing

The H4C uses Bluetooth 5.3 for stable connection to your smartphone.

1. Ensure the H4C is powered off.

2. Press and hold the On/Off key for approximately 5-7 seconds until the indicator light flashes red and blue alternately,

3. On your smartphone, go to Bluetooth settings and search for "Moman H4C".

4. Select "Moman H4C" to connect. Once paired, the indicator light will turn blue and flash slowly.

5.3 Connecting Two Smartphones

The H4C can connect to two smartphones simultaneously.

1. Pair the first smartphone as described in Section 5.2.

2. After the first phone is connected, put the H4C back into pairing mode (usually by pressing the On/Off button again for a few seconds until it flashes red/blue).

3. Pair the second smartphone.

4. Both phones should now be connected, allowing for simultaneous navigation, calls, and music (though only one audio source can be active at a time).

Image 5.1: Moman H4C AI Voice Assistant and Dual Phone Connection. This image highlights the AI voice assistant feature and the ability to connect two smartphones simultaneously.

5.4 Music Playback

- **Play/Pause:** Short press the On/Off/Play/Pause key.

- **Volume Up:** Short press the Volume Up/Next Song key.

- **Volume Down:** Short press the Volume Down/Previous key.

- **Next Song:** Long press the Volume Up/Next Song key.

- **Previous Song:** Long press the Volume Down/Previous key.

Image 5.2: Moman H4C Hi-Fi Stereo Sound. This image visually represents the Hi-Fi stereo sound experience provided by the headset's 40mm speakers.

5.5 Call Management & AI Voice Assistant

- **Answer Call:** Short press the On/Off/Answer key when an incoming call is received. The device supports automatic answering.

- **End Call:** Short press the On/Off/Answer key during a call.

- **Reject Call:** Long press the On/Off/Answer key when an incoming call is received.

- **Activate AI Voice Assistant:** Press the dedicated AI Voice Assistant button (refer to Image 4.1) to activate your smartphone's voice assistant (e.g., Siri, Google Assistant).
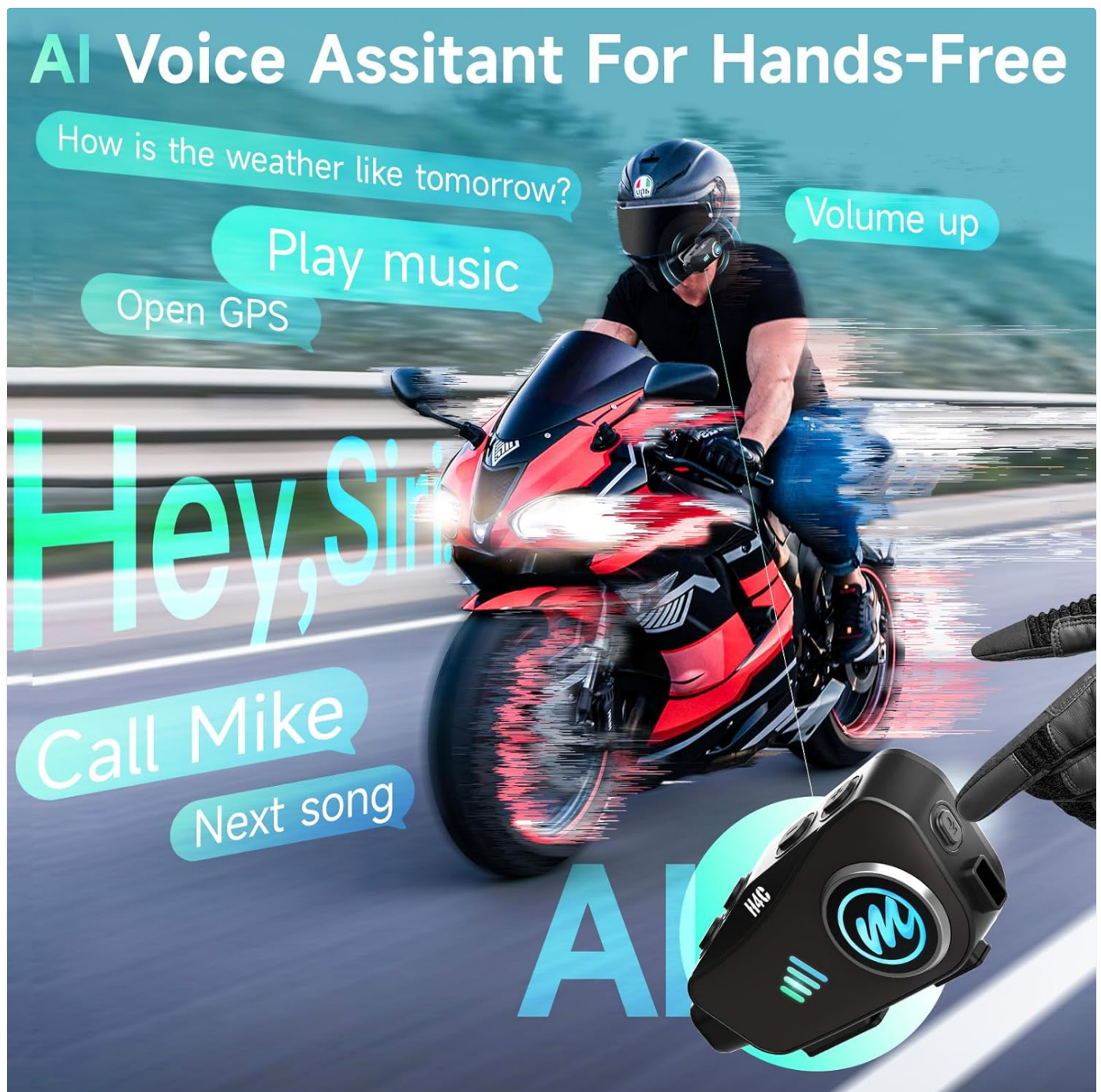
Image 5.3: Moman H4C AI Voice Assistant for Hands-Free Operation. This image depicts a rider interacting with the AI voice assistant for tasks like playing music or making calls, emphasizing hands-free control.

5.6 Camera Operation

The integrated 1080P HD camera records your rides with a 120° wide-angle lens and 360° rotation.

- **Start/Stop Recording:** Press the Recorder Key (refer to Image 4.1) to start or stop video recording.

- **Activate WiFi:** Press the Camera/WiFi Key to activate the device's WiFi hotspot. This allows connection to the "RoadCam" app.

- **App Control:** Connect your smartphone to the H4C's WiFi hotspot. Open the "RoadCam" app to view live footage, download recorded videos and photos, and adjust camera settings.

- **Loop Recording:** The camera automatically overwrites the oldest unprotected files when the TF card is full, ensuring continuous recording.

Image 5.4: Moman H4C 1080P HD Shooting. This image compares the clarity of 1080P recording from the H4C versus 720P from other devices, emphasizing the high-definition video quality.

Image 5.5: Moman H4C 120 Degree Wide Angle and 360 Degree Adjustment. This image illustrates the wide 120-degree viewing angle and the 360-degree rotatable body of the camera for flexible recording.

Image 5.6: Moman H4C Loop Recording Feature. This image visually represents the continuous loop recording function, which ensures new footage is always captured by overwriting old, unprotected files.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use harsh chemicals or abrasive materials.

- **Water Resistance:** The H4C is IPX6 waterproof, meaning it is protected against powerful water jets. It is suitable for use in rain but should not be submerged in water. Ensure all ports are securely closed.

- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the device to about 50% and recharge every few months.

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

Image 6.1: Moman H4C IPX6 Waterproof and Dustproof. This image illustrates the device's resistance to water and dust, making it suitable for various weather conditions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; device frozen.	Charge the device for at least 30 minutes. If still unresponsive, try holding the On/Off button for 10-15 seconds to force a reset.
Cannot pair with smartphone.	Device not in pairing mode; Bluetooth off on phone; interference.	Ensure the H4C is in pairing mode (flashing red/blue). Turn off and on your phone's Bluetooth. Move away from other Bluetooth devices.

Problem	Possible Cause	Solution
Low audio volume during calls.	Phone volume low; headset volume low; speaker placement.	Increase volume on both the H4C and your smartphone. Ensure speakers are correctly positioned directly over your ears inside the helmet.
Video recording issues (e.g., not recording, poor quality).	TF card full or corrupted; camera lens obstructed; low battery.	Check TF card status via the app or by removing it. Format the TF card if necessary (this will erase all data). Clean the camera lens. Ensure the device is sufficiently charged.
WiFi connection issues with "RoadCam" app.	WiFi not activated on H4C; incorrect password; app issues.	Ensure H4C WiFi is activated. Re-enter WiFi password. Restart the "RoadCam" app and your phone's WiFi.
Camera lens angle is not horizontal after mounting.	Mounting position; fixed lens design.	The H4C camera lens has a fixed orientation relative to the main unit. Ensure the main unit is mounted horizontally on the helmet. The camera body itself can rotate 360 degrees for angle adjustment, but the lens within the body is fixed. Adjust the entire unit's rotation on its mount to achieve the desired horizontal view.

8. SPECIFICATIONS

Feature	Detail
Model	MOMAN H4C
Camera Resolution	1080P HD
Wide Angle Lens	120 Degrees
Camera Rotation	360 Degrees (body rotation)
Bluetooth Version	5.3
Speaker Size	40mm Hi-Fi Stereo
Battery Capacity	1500mAh
Charging Time	Approx. 3 hours
Music Playback Time	Up to 50 hours
Video Recording Time	Up to 6.5 hours
Standby Time	Up to 500 hours
Waterproof Rating	IPX6

Feature	Detail
Memory Card Support	TF card up to 256GB (32GB included)
Dimensions	13.8 x 8 x 10.8 cm
Weight	320 grams

9. WARRANTY AND SUPPORT

Moman products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Moman website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact Moman customer service through their official website or the retailer where the product was purchased.

Online Resources:

- Moman Official Store on Amazon

Related Documents - 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 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.
	MOMAN H2 Helmet Intercom User Manual User manual for the MOMAN H2 2-Rider Kit Helmet Intercom, detailing installation, operation, features like Bluetooth pairing, music playback, FM radio, and volume control.

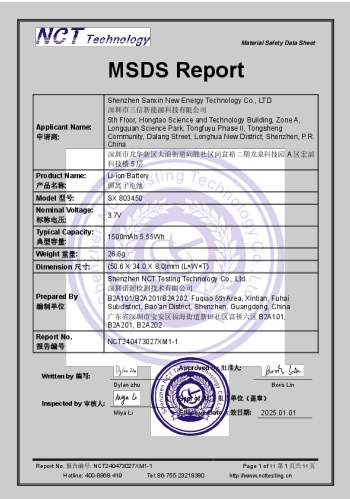|	**MOMAN H4 Plus Wireless Helmet Headset User Manual**
	User manual for the MOMAN H4 Plus Wireless Helmet Headset, detailing product features, operation instructions, specifications, and safety information.
	MOMAN CP-S Motorcycle Helmet Intercom User Guide
	A comprehensive guide to the features and operation of the MOMAN CP-S Motorcycle Helmet Intercom, covering phone calls, intercom functionality, and music playback.

Documents - Moman – 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.

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[pdf] Safety Datasheet

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