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PARKVISION RM

PARKVISION Portable Motorcycle DVR User Manual

Model: RM | Brand: PARKVISION

Your comprehensive guide to setting up, operating, and maintaining your PARKVISION Motorcycle DVR system.

1. Introduction

Thank you for choosing the PARKVISION Portable Motorcycle DVR. This system is designed to enhance your riding experience with advanced features like wireless CarPlay and Android Auto, dual 1080P HD dash cameras, and robust IP67 waterproofing. This manual provides detailed instructions to help you get the most out of your device.

What's in the Box

- PARKVISION 6.25" Display Unit
- Front Camera
- Rear Camera
- Handlebar Wired Controller
- Power Cable
- Mounting Brackets and Hardware
- 64GB TF Card (Memory Card)
- User Manual



Figure 1.1: Included components in the PARKVISION Motorcycle DVR package. This image displays the main display unit, front and rear cameras, handlebar controller, mounting hardware, and the included 64GB TF card.

2. Safety Information

Please read all safety warnings and instructions carefully before using this product to ensure safe operation and prevent damage.

- **Installation:** Ensure all components are securely mounted and wiring is properly routed to avoid interference with motorcycle controls or moving parts. Consult a professional if unsure about installation.
- **Power:** Connect the device only to the specified power source (12V motorcycle battery). Incorrect wiring can cause damage or fire.
- **Operation:** Do not operate the touch screen or adjust settings while riding. Use the handlebar controller or voice commands for safe interaction.

- **Waterproofing:** The device is IP67 waterproof, meaning it is protected against dust and temporary immersion in water. However, avoid prolonged submersion or high-pressure water jets. Ensure all ports are securely sealed.
- **Temperature:** Operate the device within the specified temperature range (e.g., -20°C to 70°C). Extreme temperatures can affect performance and lifespan.
- **Maintenance:** Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.

3. Product Overview

The PARKVISION Motorcycle DVR integrates a 6.25-inch HD IPS touch screen with advanced connectivity and recording capabilities.



Figure 3.1: The PARKVISION Portable Motorcycle DVR system, showcasing the main display unit, front and rear cameras, and the

handlebar remote control.

Key Features

- **6.25-inch HD IPS Touch Screen:** Provides clear visuals and responsive touch control.
- **Wireless CarPlay & Android Auto:** Seamless integration with your smartphone for navigation, music, calls, and messages.
- **Dual 1080P HD Dash Cameras:** Capture crystal-clear footage from both front and rear perspectives with a 150° wide-angle view.
- **IP67 Waterproof Rating:** Designed to withstand various weather conditions, ensuring reliable operation in rain or shine.
- **Dual Bluetooth Connectivity:** Connects to your phone and Bluetooth helmet/earphones simultaneously.
- **Automatic Brightness Adjustment:** The screen brightness adapts to ambient light for optimal visibility.
- **Handlebar Wired Controller:** Allows safe and convenient operation without taking your hands off the handlebars.
- **Automatic Recording:** Starts and stops recording with the motorcycle ignition.
- **Anti-theft Design:** Equipped with special anti-theft screws for secure mounting.



Figure 3.2: The display unit showing the Wireless CarPlay and Android Auto interface, enabling access to phone features like navigation, music, and calls.



Figure 3.3: Illustration of the dual 1080P HD dash cameras, providing 150-degree wide-angle views for comprehensive front and rear recording, including loop recording and night vision capabilities.



Figure 3.4: The handlebar wired controller, designed for easy access to functions like cycling through menus, answering/hanging up calls, and accessing the main interface, allowing riders to maintain a secure grip.



Figure 3.5: Diagram illustrating the dual Bluetooth connectivity, allowing the device to pair with both your phone and a Bluetooth helmet or earphones for audio and communication.



Figure 3.6: The IP67 waterproof design of the motorcycle navigator, demonstrating its ability to withstand rain, direct sunlight (70°C), and cold temperatures (-20°C).



Figure 3.7: The system's universal compatibility, showing it can be installed on almost all motorcycle models, including sport bikes, cruisers, electric bikes, ATVs, and snowmobiles.

4. Setup and Installation

Follow these steps to properly install your PARKVISION Motorcycle DVR system.

4.1 Mounting the Display Unit

1. Connect the mounting bracket to the back of the display screen using the provided screws.
2. Install the bracket clamps onto your motorcycle's handlebar. Choose the appropriate washer size (28mm, 25mm, or 22mm) based on the handlebar thickness for a secure fit.
3. Attach the display unit with the bracket to the handlebar clamps.

4. Adjust the screen to your desired viewing angle and tighten all screws securely.



Figure 4.1: Step-by-step guide for connecting the bracket to the display, installing the bracket screws with appropriate washers, adjusting the screen angle, and completing the screen installation. Also shows a wiring diagram for the system components.

4.2 Wiring Connections

The DVR system is hard-wired to your motorcycle's battery for automatic power management.

- **Red wire:** Connect to the ACC power (Accessory power), which is live only when the ignition switch is on. This enables automatic recording start/stop with ignition.
- **Yellow wire:** Connect to the constant 12V power supply from the motorcycle battery. This provides continuous power for certain functions or memory retention.
- **Black wire:** Connect to the ground line of the motorcycle.
- Connect the front camera, rear camera, and wire controller cables to their respective ports on the main display unit.



Figure 4.2: Detailed installation guide showing two power supply modes: direct wiring (Power Supply Mode 1) and optional USB plug (Power Supply Mode 2). It also illustrates the connection points for the rear camera, wire controller, front camera, and dash cam on a motorcycle diagram.

5. Operating Instructions

Learn how to use the various features of your PARKVISION Motorcycle DVR.

5.1 Power On/Off

The device will automatically power on when the motorcycle ignition is turned on and power off when the ignition is turned off, thanks to its hard-wired connection.

5.2 Wireless CarPlay & Android Auto

To use CarPlay or Android Auto, ensure your smartphone supports wireless CarPlay or Android Auto functionality.

1. On the DVR display, open the CarPlay or Android Auto application.
2. The display will enter a waiting state for connection.
3. On your smartphone, search for the DVR's Bluetooth name (e.g., "MT02-xxxx") and pair with it.
4. Once Bluetooth is paired, the system will prompt you to allow and use CarPlay/Android Auto. Confirm the connection.
5. The system will then establish a Wi-Fi connection for data transfer, and your CarPlay/Android Auto interface will appear on the display.

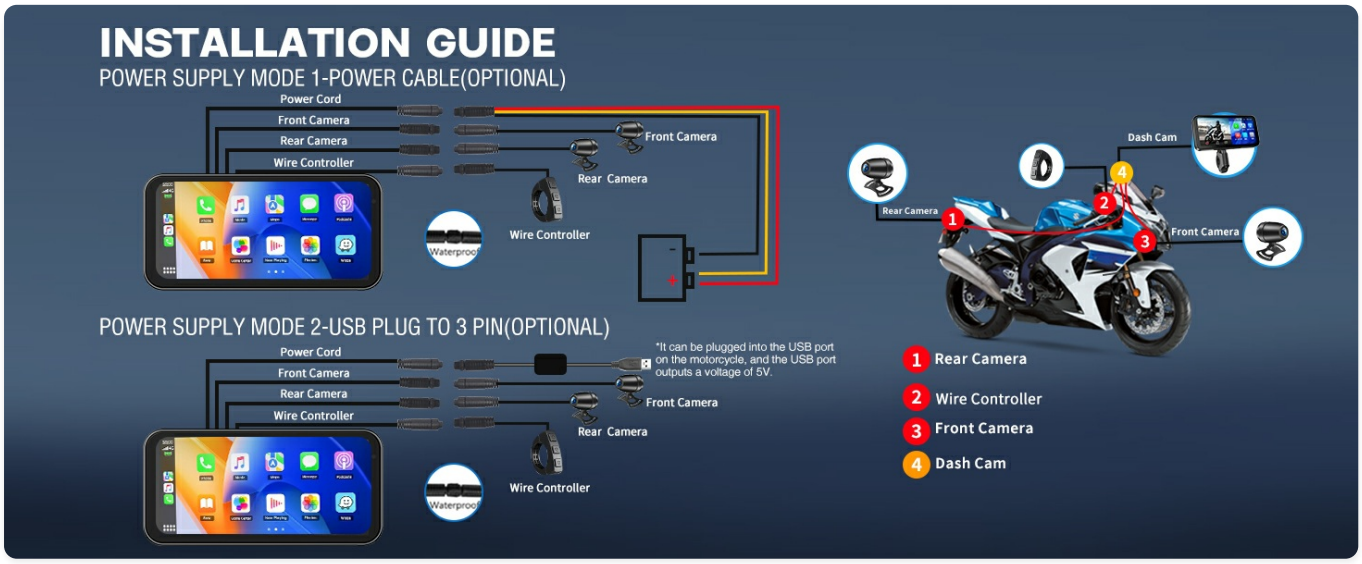

Figure 5.1: Visual guide for connecting Apple CarPlay, showing the steps from opening CarPlay on the device to pairing via Bluetooth and confirming the connection on your iPhone.

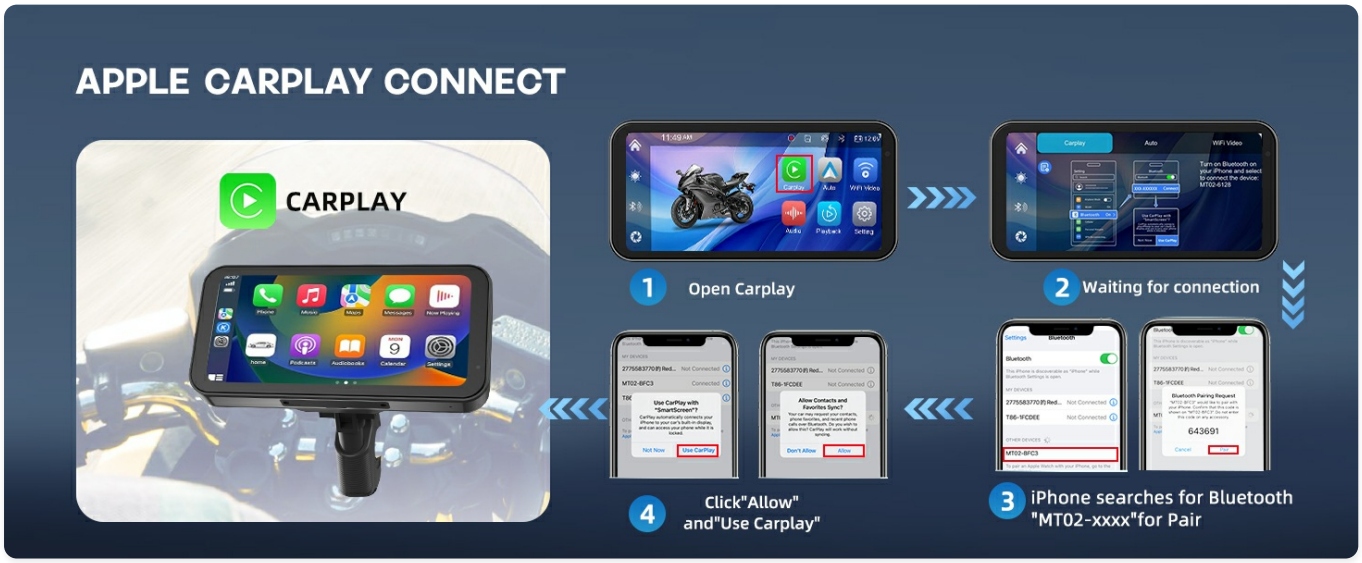

Figure 5.2: Visual guide for connecting Android Auto, detailing the process from opening Android Auto on the device to finding and pairing with the device via Bluetooth on your Android phone.

5.3 Dash Cam Operation

The dual 1080P cameras continuously record footage to the included 64GB TF card. The system supports loop recording, automatically overwriting the oldest files when the card is full.
The automatic light-sensing chip adjusts screen brightness for optimal visibility in various lighting conditions.



Figure 5.3: The automatic brightness adjustment feature, which allows the screen to adapt its intensity based on ambient light changes, ensuring safer and more reliable use.

5.4 Voice Control

With CarPlay and Android Auto, you can utilize voice assistants like Siri and Google Assistant for hands-free control of music, navigation, and messages.



Figure 5.4: Illustration of voice control capabilities, demonstrating how to interact with mobile voice assistants like Siri and Google Assistant through the dash cam, with audio output to a Bluetooth headset.

5.5 Handlebar Controller

The wired handlebar controller provides convenient access to key functions:

- **Cycle Button:** Navigate through menus or switch functions.
- **Camera Button:** Control camera functions (e.g., take a snapshot, switch camera view). Also used to hang up phone calls.
- **Main Interface Button:** Return to the main screen or answer phone calls.



Figure 5.5: The steering wheel (handlebar) control unit, highlighting its buttons for cycling through options, camera functions, and accessing the main interface, allowing for convenient and safe operation while riding.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your DVR system.

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and camera lenses. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Connections:** Periodically check all cable connections (power, cameras, controller) to ensure they are secure and free from corrosion or damage.
- **TF Card:** Format the TF card regularly (e.g., once a month) through the device's settings to maintain optimal recording performance and prevent data corruption. Back up important footage before formatting.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Check the PARKVISION official website or contact support for any available firmware updates to improve performance and add new features.

7. Troubleshooting

If you encounter issues with your PARKVISION Motorcycle DVR, refer to the following common problems and solutions.

7.1 No Power / Device Not Turning On

- **Check Ignition:** Ensure your motorcycle's ignition is on. The device is designed to power on with the ignition.
- **Wiring:** Verify that the red (ACC), yellow (12V constant), and black (ground) wires are correctly connected to the motorcycle's electrical system. Check for loose connections or blown fuses.
- **Battery:** Ensure your motorcycle battery has sufficient charge.

7.2 SD Card Error / Cannot Record

- **Insert Correctly:** Ensure the 64GB TF card is inserted fully and correctly into the slot.
- **Format Card:** Format the TF card directly through the device's settings. If the issue persists, try formatting it on a computer (FAT32 or exFAT).
- **Card Compatibility:** While a 64GB card is included, ensure any replacement cards are high-speed (Class 10 or U3) and compatible with the device.
- **Defective Card:** If formatting doesn't resolve the issue, the TF card may be defective. Try a different, known-good TF card.

7.3 CarPlay/Android Auto Not Connecting

- **Phone Compatibility:** Confirm your smartphone supports wireless CarPlay or wireless Android Auto.
- **Bluetooth & Wi-Fi:** Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- **Pairing:** Delete previous pairings on both the DVR and your phone, then attempt to re-pair the Bluetooth connection.
- **Interference:** Minimize other active Bluetooth or Wi-Fi connections on your phone that might interfere.

7.4 Poor Video Quality

- **Clean Lenses:** Ensure camera lenses are clean and free from dirt, dust, or water spots.
- **Lighting:** While the device has automatic brightness adjustment, extreme lighting conditions (e.g., direct glare) can affect video quality.
- **Firmware:** Check for and install any available firmware updates.

8. Specifications

Feature	Specification
Brand	PARKVISION
Model Name	RM
Display Size	6.25 inches
Display Type	HD IPS Touch Screen
Video Capture Resolution	1080p (Front and Rear)
Camera Orientation	Front and Rear
Waterproof Rating	IP67
Connectivity Technology	Bluetooth, Wi-Fi
Special Features	Bluetooth, Waterproof, Touch Screen, Wireless CarPlay, Wireless Android Auto
Included Components	Memory Card (64GB TF Card)

Feature	Specification
Mounting Type	Rearview Mirror Mount (or handlebar mount)
Vehicle Service Type	Motorcycle
Color	Black

9. Warranty and Support

PARKVISION products are designed for reliability and performance. For warranty information and technical support, please refer to the documentation included with your purchase or visit the official PARKVISION brand store.
If you have any questions or require assistance with your device, please contact PARKVISION customer support. You can often find contact details on the seller's page where you purchased the product or through the official brand website.
PARKVISION Brand Store: Visit the PARKVISION Store on Amazon

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