

PHONOCAR VM494

Phonocar VM494 9.7" Full HD Mirror Dash Cam Instruction Manual

Model: VM494

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Phonocar VM494 9.7" Full HD Mirror Dash Cam. This device integrates a front-facing camera, a rear camera, and a full HD display into a rearview mirror, offering enhanced safety and recording capabilities for your vehicle. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- 1 x Phonocar VM494 Mirror Dash Cam
- 1 x Rear Camera with 15-meter cable
- 1 x 12V Power Adapter (for cigarette lighter socket)
- 2 x Rubber Supports for fixing
- 1 x Instruction Manual (this document)

3. PRODUCT OVERVIEW

The Phonocar VM494 is a multifunctional rearview mirror with an integrated front camera and a separate rear camera. It features a 9.7-inch Full HD touchscreen display for intuitive control and clear viewing.



Figure 1: Phonocar VM494 Mirror Dash Cam. This image illustrates the main unit, highlighting the 9.7-inch Full HD display, the integrated front camera, and the rear camera connection. Key features such as Full HD recording, cycle recording, G-Sensor, emergency lock, touchscreen, and 144-degree wide angle are also indicated.

Key Components:

- **9.7" Full HD Touchscreen Display:** Provides a clear view of recordings and real-time camera feeds, with touch control for settings.
- **Integrated Front Camera:** Adjustable in width, records in Full HD 1080P with a 144° wide-angle view.
- **Rear Camera Input:** Connects the included external rear camera for simultaneous recording and parking assistance.
- **Loudspeaker:** Integrated 1 Watt mono loudspeaker.
- **Microphone:** Standard full-direction microphone for audio recording.
- **Power/Stand-by Button:** Located on the unit for power control.

4. INSTALLATION

The VM494 is designed for universal compatibility with 12V vehicles. Follow these steps for proper installation:

1. Mounting the Mirror Dash Cam:

Attach the VM494 mirror dash cam over your vehicle's original rearview mirror using the provided rubber supports. Ensure it is securely fastened and does not obstruct your view.

2. Connecting the Power Supply:

Connect the 12V power adapter cable to the dash cam and plug the other end into your vehicle's cigarette lighter socket. Route the cable neatly to avoid interference with driving controls.

3. Installing the Rear Camera:

Mount the rear camera at the back of your vehicle, typically above the license plate or inside the rear window, ensuring a clear view. Connect the 15-meter cable from the rear camera to the designated input on the VM494 mirror dash cam. Route the cable carefully through the vehicle's interior trim.

4. Adjusting the Front Camera:

Adjust the integrated front camera's position to ensure it captures the desired field of view through your windshield.

5. OPERATION

5.1 Power On/Off and Stand-by

- To power on the device, press the Power/Stand-by button.
- To put the device in stand-by mode or turn it off, press and hold the Power/Stand-by button.

5.2 DVR and G-Sensor Function

Once powered on, the device automatically begins recording with the front camera. It records in Full HD (1080P) with both the front and rear cameras simultaneously. The recording is continuous, utilizing a cycle recording feature with options for 1, 3, or 5-minute segments.

- **Cycle Recording:** The dash cam records video in continuous loops, overwriting the oldest footage when the memory card is full.
- **G-Sensor:** In the event of a sudden impact or collision, the built-in G-Sensor automatically detects the event and locks the current video file, preventing it from being overwritten during cycle recording. This ensures critical incident footage is preserved.
- **Emergency Lock:** Manually lock a recording by pressing the emergency lock button (if available, or via touchscreen menu) to protect it from being overwritten.

5.3 Automatic Rear Camera Display

When you engage reverse gear, the VM494 automatically displays the rear camera feed on the 9.7-inch screen, providing a clear view for safe parking and maneuvering.

5.4 Automatic Screen Off (Traditional Mirror Mode)

The screen will automatically turn off after 1 minute of inactivity. This allows the device to function as a traditional rearview mirror while the DVR recording functions (front and rear cameras) continue to operate in the background. The mirror features anti-glare blue glass when the screen is off.

5.5 Touchscreen Control

Navigate through the device's settings and functions using the intuitive 9.7-inch touchscreen display.

6. TECHNICAL SPECIFICATIONS

- **Screen Size:** 9.7 inches
- **Screen Resolution:** 1280x480 pixels
- **Front Camera:** Adjustable in width
- **Viewing Angle:** 144° (wide angle, also during recording)
- **Video Recording Resolution:** Full HD 1080P
- **Video Format:** 1080P, MOV 30 FPS
- **Cycle Recording Options:** 1, 3, 5 minutes
- **Photo Format:** JPG/TIFF/PNG
- **Mirror Type:** Anti-glare blue glass (when screen is off)
- **Rear Camera Activation:** Automatic upon engaging reverse gear
- **Loudspeaker:** 1 Watt mono
- **Microphone:** Standard full-direction
- **Dimensions:** 7 x 25.5 cm
- **Power Supply:** 12V
- **Special Features:** G-Sensor, Touch Control

7. TROUBLESHOOTING

If you encounter issues with your Phonocar VM494, please refer to the following common solutions:

- **Device does not power on:** Ensure the 12V power adapter is securely connected to both the dash cam and the vehicle's cigarette lighter socket. Check the vehicle's fuse for the cigarette lighter.
- **Recording issues:** Verify that a compatible memory card is inserted and properly formatted. Check if the memory card is full; if so, it may need to be formatted or replaced. Ensure cycle recording is enabled.
- **Rear camera not displaying:** Check the connection of the rear camera cable to the main unit. Ensure the rear camera is properly installed and powered.
- **Screen is black/off:** The screen may be in automatic screen-off mode. Tap the screen to reactivate it. Ensure the device is powered on.
- **Touchscreen unresponsive:** Try restarting the device. If the issue persists, ensure the screen is clean and free of debris.

8. MAINTENANCE

To ensure optimal performance and longevity of your VM494:

- **Cleaning:** Use a soft, dry cloth to clean the screen and lens. Avoid abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Memory Card:** Periodically format the memory card (e.g., once a month) to maintain optimal recording performance and prevent data corruption. Back up any important recordings before formatting.
- **Cable Connections:** Ensure all cables are securely connected and not pinched or damaged.

9. WARRANTY AND SUPPORT

For technical assistance, warranty information, or service inquiries, please contact Phonocar customer support. Refer to the contact details below:

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Please retain your proof of purchase for warranty claims.