



# Phonocar VM324 Dash Cam Con Display Multi Mediale Retro Camera Instruction Manual

[Home](#) » [Phonocar](#) » Phonocar VM324 Dash Cam Con Display Multi Mediale Retro Camera Instruction Manual 

## Contents

- 1 Phonocar VM324 Dash Cam Con Display Multi Mediale Retro Camera
- 2 WARNINGS
- 3 1. INFORMATION AND TECHNICAL SPECIFICATIONS
- 4 TECHNICAL SPECIFICATIONS
- 5 2. PACKAGE CONTENTS
- 6 3. INSTALLATION
- 7 A. WINDSCREEN INSTALLATION WITH SUCTION CUP MOUNT
- 8 B. DASHBOARD INSTALLATION WITH MOUNT WITH DOUBLE-SIDED ADHESIVE
- 9 4. CONNECTIONS
- 10 5. CAPACITIVE TOUCHSCREEN
- 11 6. DISPLAY AND BUTTONS
- 12 7. FUNCTIONS
- 13 8. SETTINGS
- 14 9. DISPOSAL
- 15 10. TYPE APPROVAL
- 16 Specifications
- 17 Frequently Asked Questions (FAQ)
  - 17.1 Q: What should I do if I have doubts during installation?
  - 17.2 Q: Can the rear camera be used with a fixed power source?
- 18 Documents / Resources
  - 18.1 References
- 19 Related Posts

**Phonocar VM324 Dash Cam Con Display Multi Mediale Retro Camera**



## INSTRUCTION MANUAL

### WARNINGS

PLEASE READ THIS INSTRUCTION MANUAL CAREFULLY BEFORE INSTALLATION.

- 1) Phonocar S.p.A. does not accept any responsibility for damage resulting from improper installation or misuse of the product.
- 2) Installation must be carried out by qualified personnel.
- 3) Installation must be carried out in a properly equipped workshop, with the vehicle stationary, the engine switched off and the parking brake engaged.
- 4) In addition, refer to the safety instructions given in the instructions for the vehicle on which the product is to be installed.
- 5) Do not attempt to repair the device: if necessary, consult your reseller or qualified technical staff .
- 6) Take all necessary precautions and use personal protective equipment to avoid any injuries or damage to property.
- 7) When installation is complete, check that the work has been carried out correctly and according to the instructions in this manual.
  
- 8) Use only with a 12 VDC electrical system with a negative ground system.
- 9) Do not install the unit where it could limit the driver's field of view.
- 10) Install the rear-view camera so that it provides a complete field of view.
- 11) When installing the rear-view camera, ensure that the vehicle number plate is not (even partially) obscured.
- 12) Regularly check that the devices remain in perfect condition and securely attached.
- 13) When replacing the fuse, use one of the same amperage.
- 14) This system does not replace the judgement of the driver, who must always comply with the laws and traffic regulations in force.

## 1. INFORMATION AND TECHNICAL SPECIFICATIONS

### FOREWORD

This manual is for installers of the Dash Cam VM324. Installation must be carried out by qualified personnel only.

For any questions or doubts, please contact Phonocar S.p.A.

Always adopt all appropriate safety measures to prevent injuries or damage to property.

## **DESCRIPTION**

Dashcam with 6.86" multimedia display with capacitive touchscreen and rear-view camera, ideal for vehicles without rear-view mirror.

For installation on vehicles longer than 5 m, it is necessary to purchase the 15 m rear camera cable code 05909.

### **Display**

DVR function with front video camera and rear-view camera.

### **G-Sensor.**

Automatic rear-view display when reverse is engaged. Power supply: hard-wired or removable.

Installation in passenger compartment: on dashboard or on the windscreen.

### **Rear-view camera**

Automatic activation when reverse is engaged. Adjustable static guide lines.

Installation with fixed bracket (adjustable inclination).

## **INTENDED USE**

Product intended for installation on cars, vans, campers and all vehicles with electrical system with negative ground system and +12V power supply.

Any other use is considered inappropriate and unspecified.

## **TECHNICAL SPECIFICATIONS**

### **DISPLAY**

6.86" display with capacitive touchscreen.

MICRO SD card slot, 32 GB.

Linux 4.9 operating system.

Adjustable integrated video camera.

Resolution: 1080P.

### **ON/OFF button.**

Automatic display shut-off (energy saving function): 30/60/180 seconds.

Multilingual menus: French/English/Italian/Polish/Portuguese/Spanish/German.

### **DVR.**

G Sensor with adjustable sensitivity.

Recording cycles: 1/2 minutes.

Power cable for hard-wired installation: 12 V input, 5 V/2.5 A output.

Power cable for removable installation: 12 V for cigarette lighter socket.

Mount with double-sided adhesive for dashboard installation.

Mount with suction cup for windscreen installation.

### **REAR-VIEW CAMERA**

Automatic activation when reverse is engaged. Resolution: 1080P.  
Adjustable static guide lines.  
5.5 m power cable.  
Operating temperature: -10 – +60°C.

2. PACKAGE CONTENTS



1	DISPLAY
2	DASHBOARD DISPLAY MOUNT
3	DOUBLE-SIDED ADHESIVE FOR DASHBOARD MOUNT
4	WINDSCREEN DISPLAY MOUNT WITH SUCTION CUP
5	FIXING SCREWS AND DOUBLE-SIDED ADHESIVE FOR REAR-VIEW CAMERA
6	REAR-VIEW CAMERA

7	REAR-VIEW CAMERA CABLES (POWER SUPPLY AND DISPLAY CONNECTION)
8	DISPLAY POWER CABLE FOR REMOVABLE INSTALLATION VIA CIGARETTE LIGHTER SOCKET
9	DISPLAY POWER CABLE FOR FIXED INSTALLATION
10	INSTRUCTION MANUAL

3. INSTALLATION

WARNING!

Before attaching the mounts both for the display and the rear-view camera, it is recommended to check correct operation of the devices by proceeding as follows:

Connect the rear-view camera to the display

Provide power to the display and check that both devices are on

Remove the power from the display, disconnect the rear-view camera and proceed with positioning and fastening of the devices.

### 3.1 REAR-VIEW CAMERA



Identify the installation location on the vehicle (it is recommended to install it near the number plate). Decide on the angle of the rear-view camera using the adjustable bracket.

Attach the bracket using the double-sided adhesive and/or the screws supplied (5).

Run the 3.5 mm jack to the display for the connection.

### 3.2 DISPLAY



N.B. Identify the installation position for the display: this must not obstruct the driver's view or the operation of safety devices, and must not inhibit the freedom of movement required for safe driving. Choose whether to install the display on the windscreen or the dashboard, and use the relative mounts to proceed with fastening.

## A. WINDSCREEN INSTALLATION WITH SUCTION CUP MOUNT

### Clean the windscreen.

Ensure that the locking lever of the suction cup mount is unlocked.

Press the suction cup onto the windscreen, ensuring that it is firmly attached, then press the locking lever.

Check the stability of the mount.

To remove the suction cup from the windscreen, release the suction cup lever and lift the tab on the edge of the suction cup.

Connect the 3.5 mm jack of the rear-view camera cable to the corresponding input before fastening the display to the mount.

## B. DASHBOARD INSTALLATION WITH MOUNT WITH DOUBLE-SIDED ADHESIVE

### Clean the dashboard.

Remove the upper protective film from the double-sided adhesive 3 and fasten it to the mount 2.

Remove the lower protective film from the double-sided adhesive and fasten it to the mount on the dashboard.

Connect the 3.5 mm jack of the rear-view camera cable to the corresponding input before fastening the display to the mount.

N.B. Connect the rear-view camera to the display before connecting it to the power supply.

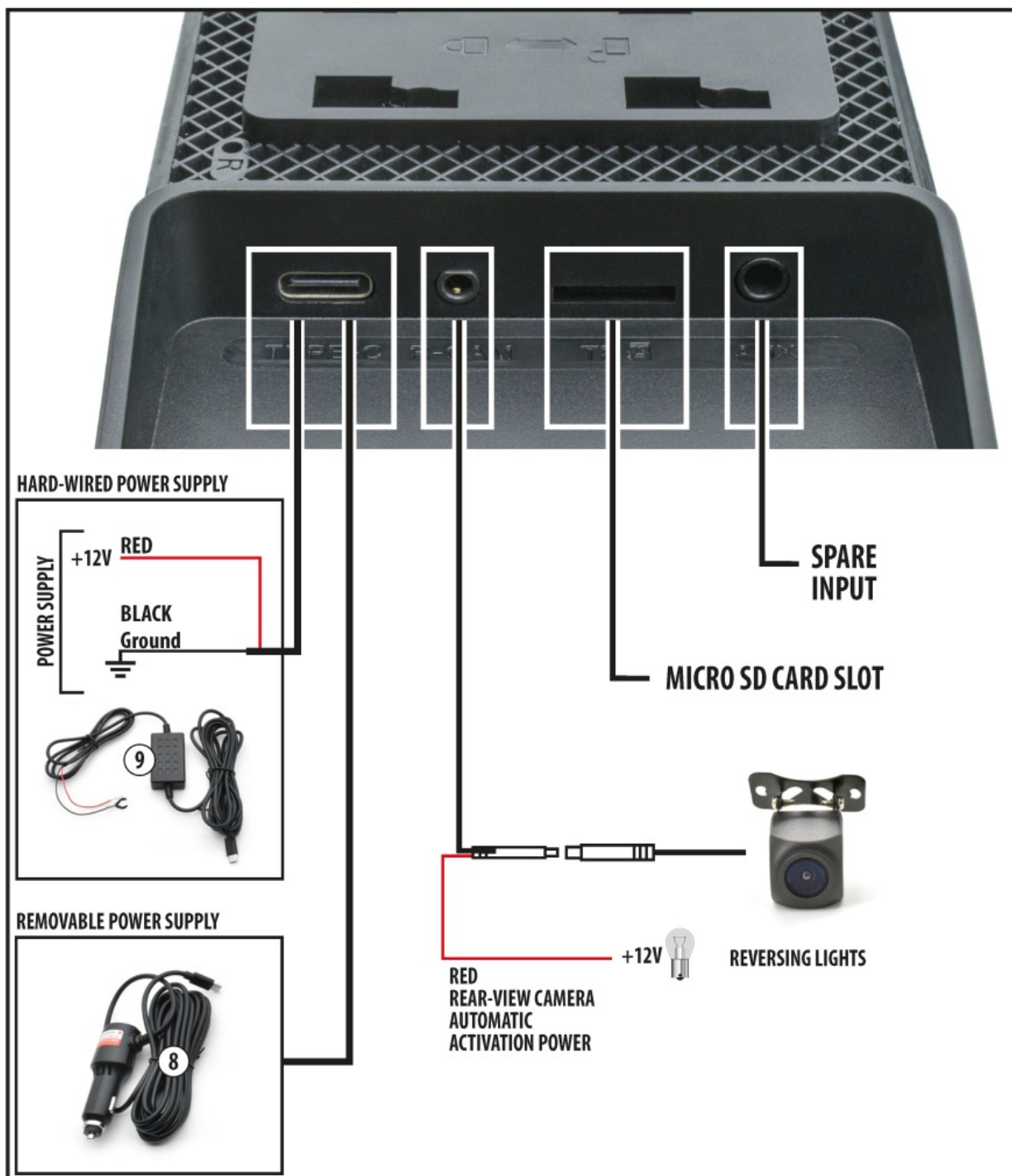


Select the type of power supply:  
Hard-wired: use the cable 9.  
Removable: use the cable 8.

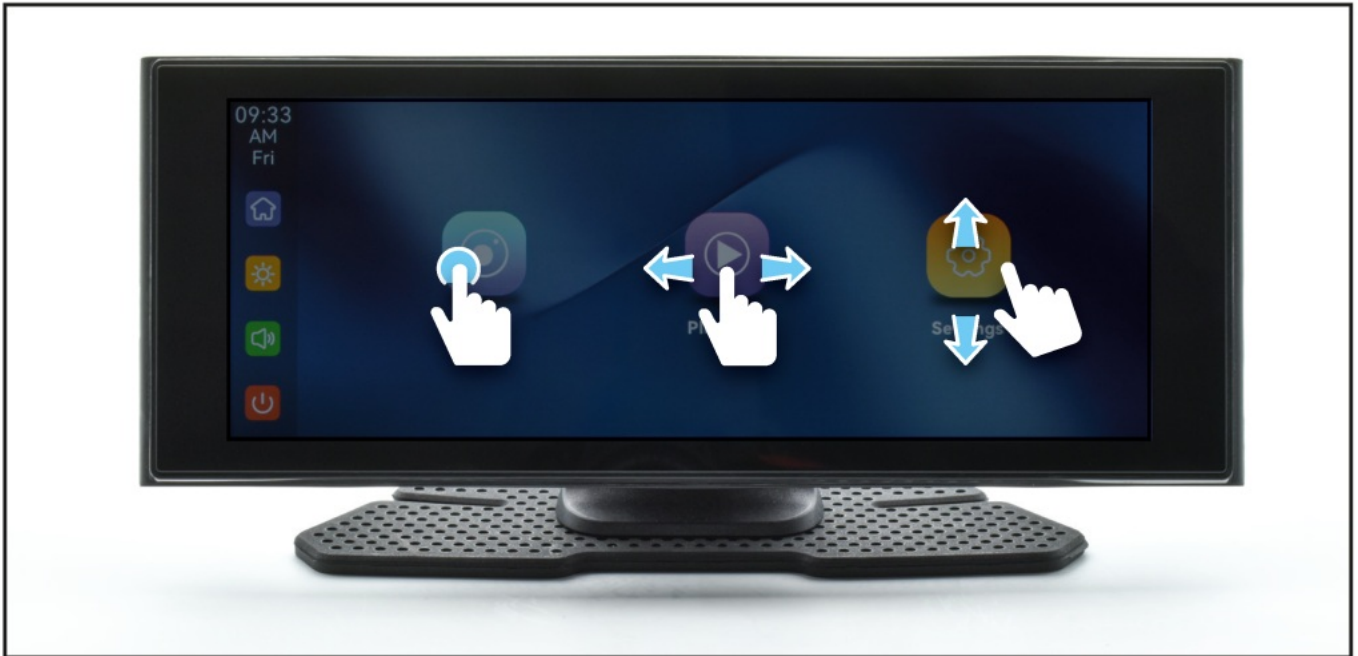
## 4. CONNECTIONS

### WARNING!

Connect the rear-view camera to the display before connecting it to the power supply.



## 5. CAPACITIVE TOUCHSCREEN



### 6. DISPLAY AND BUTTONS



A	Date and time
B	Main menu
C	Display brightness
D	Volume
E	Standby / Previous menu

F	DVR
G	Playback
H	Settings
I	ON/OFF button

### 7. FUNCTIONS

#### 7.1 DVR

The DVR starts up automatically when the display is turned on and is connected to both the front video camera and rear-view camera.



The video duration can be 1 or 2 minutes.

Recording is cyclic: when the storage space on the Micro SD card is full, the oldest videos are deleted for the new ones (overwritten).

**Emergency videos are not deleted; these are:**

- Videos locked manually by the user during recording
- Videos locked manually by the user in the archive
- Videos locked by the G Sensor function

**Videos are stored on the micro-SD card in the corresponding section:**

- Front video camera videos (see G1)
- Front video camera emergency videos (see G2)
- Rear-view camera videos (see G3)
- Rear-view camera emergency videos (see G4)

The G-Sensor function, which automatically locks the videos in the event of vehicle impact, can be regulated or disabled.

The regulation adjusts the sensitivity of the sensor: when sensor sensitivity is high, a light impact is sufficient to lock the video.

Videos can be played back with the Playback function.

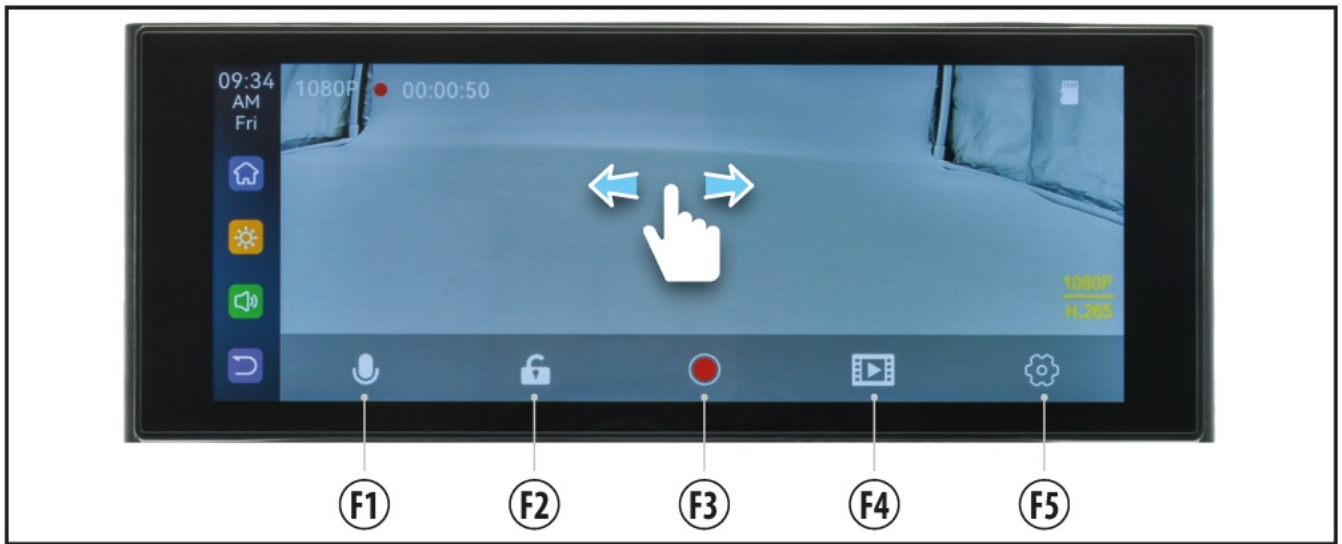


Select the DVR icon (F) to access the DVR function.






The DVR function can be enabled or disabled; to check the status, look under the DVR icon:

red= DVR ON

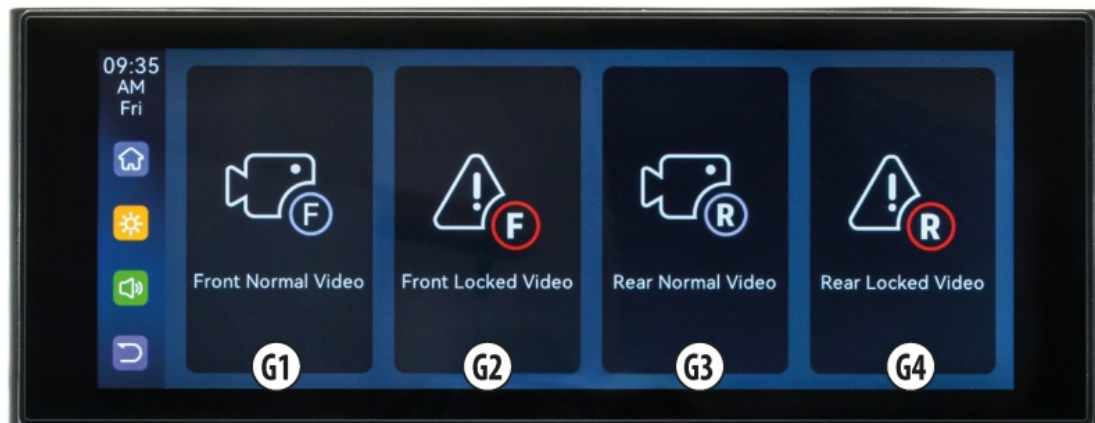
white= DVR OFF.



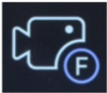
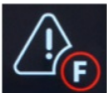
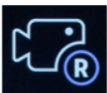
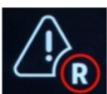
The screen opens on the front video camera; scroll to display the rear-view camera.  
The display keeps the last position in memory.





<b>F1</b>		Enable/disable audio recording for front video camera
<b>F2</b>		Lock/unlock current video When the video is locked, it is stored in the pre-emergency videos (see G2).
<b>F3</b>		Enable/disable the DVR function.
<b>F4</b>		Playback
<b>F5</b>		Settings

## 7.2 PLAYBACK

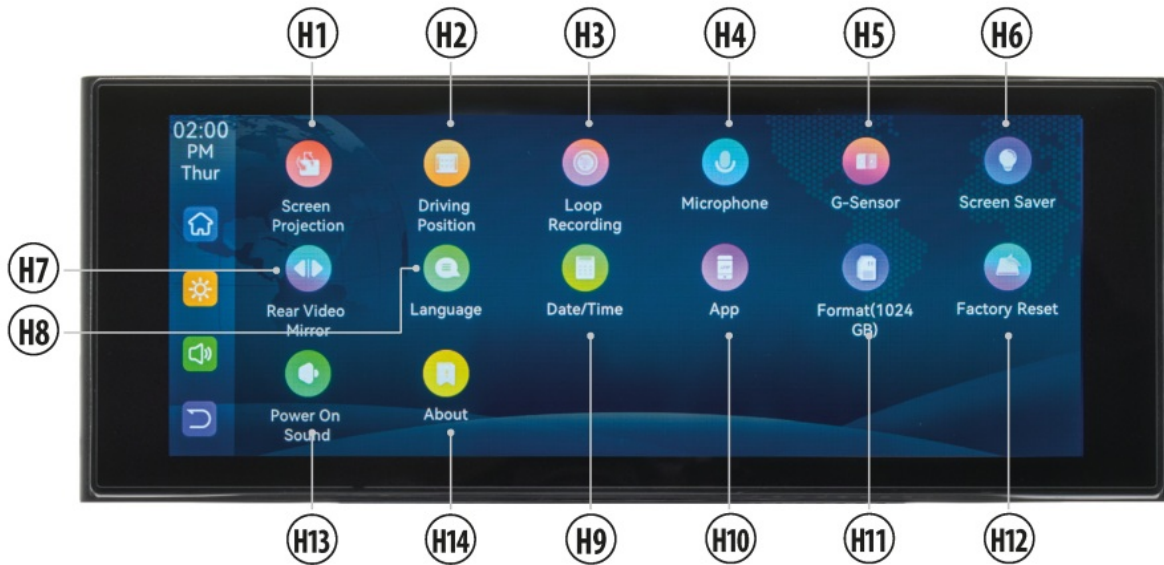


Select the Playback icon (G) to access the videos archive.  
 Select the videos folder to display the list of saved videos.  
 Inside each folder it is possible to display, lock/unlock and delete the video(s).





<b>G1</b>		Front video camera videos
<b>G2</b>		Front video camera emergency videos (videos locked by the G SENSOR function)
<b>G3</b>		Rear-view camera videos
<b>G4</b>		Rear-view camera emergency videos (videos locked by the G SENSOR function)



<b>G5</b>		PLAY
<b>G6</b>		Next video
<b>G7</b>		Lock/unlock video
<b>G8</b>		Delete

## 8. SETTINGS











Select the settings icon H to modify the settings.

H1		Function not active
H2		<b>Driving Position</b> Used to select the driving setting: right or left
H3		<b>Loop Recording</b> Modifies the duration of the videos: 1 or 2 minutes
H4		<b>Microphone</b> Enable/disable audio recording for front video camera

H5		<b>G Sensor</b> Allows you to enable/disable the G Sensor function and to modify the sensitivity of the sensor: low/medium/high
H6		<b>Screen Saver</b> Allows you to enable/disable automatic display shut-off (energy saving mode) and to set the relative timer: 30/60/180 seconds



H7		<b>Rear Video Mirror</b> Enables/disables the rear-view camera mirror function
H8		<b>Language</b> Allows you to select the display language: French/English/Italian/Polish/Portuguese/Spanish/German
H9		<b>Date/Time</b> Allows you to set the date and time
H10		<b>App</b> Used to activate video camera display on a smartphone To enable the function, scan the QR code and follow the instructions. <b>NB.</b> <b>This function will disable the data connection on the smartphone.</b> <b>This function only allows display of images: management and operation of the DVR must be performed via the display.</b>

<b>H11</b>		<b>Format(1024GB)</b> Formats the micro-SD card
<b>H12</b>		<b>Factory Reset</b> Resets the device to factory settings. All data and settings will be lost.
<b>H13</b>		Function not active
<b>H14</b>		<b>About</b> Software information

## 9. DISPOSAL

The DASH CAM VM324 product is classified as waste electrical/electronic equipment. Comply with applicable regulations when disposing of the device. The product must not be dumped or disposed of with unsorted domestic waste.



## 10. TYPE APPROVAL



### Specifications

- Model: VM324
- Power: 12V
- Operating System: Linux 4.9
- Resolution: 1080P
- Menu Languages: French, English, Italian, Polish, Portuguese, Spanish, German
- Recording Cycles: 1/2 minutes

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## Frequently Asked Questions (FAQ)


**Q: What should I do if I have doubts during installation?**

A: Contact Phonocar S.p.A for clarification and guidance on installation procedures.

**Q: Can the rear camera be used with a fixed power source?**

A: Yes, the rear camera can be powered either through a fixed installation or a removable setup.

## Documents / Resources

	<p><a href="#">Phonocar VM324 Dash Cam Con Display Multi Mediale Retro Camera</a> [pdf] Instruction Manual</p> <p>VM324 Dash Cam Con Display Multi Medial Retro Camera, VM324, Dash Cam Con Display Multi Medial Retro Camera, Display Multi Medial Retro Camera, Multi Medial Retro Camera, Medial Retro Camera, Retro Camera</p>
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## References

- [User Manual](#)

### Manuals+, Privacy Policy

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