

User Manual

M2

Perfect All-in-one Mirror
Car DVR & Car Parking Assist System

Dear user,

Thank you for choosing AUTO-VOX M2. This user manual is designed to detail the AUTO-VOX M2 functions and features. In order to operate your product with ease as soon as possible and get more perfect service, please read the manual carefully and properly keep it, thank you!

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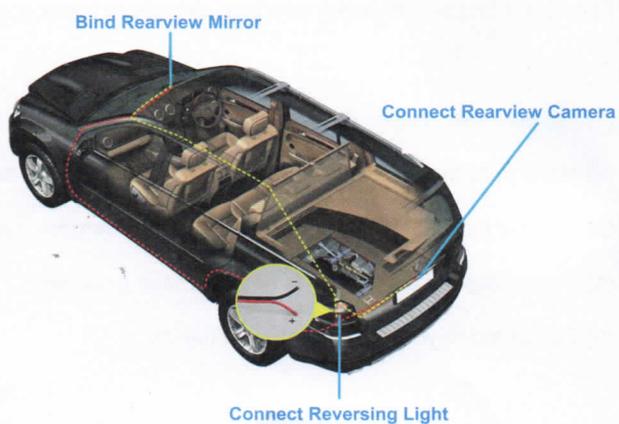
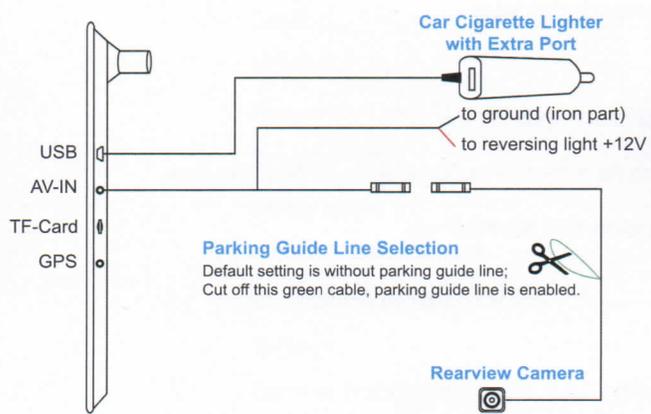
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Caution

Failure to comply with safety cautions can cause injury or property damage.

- (1) For your own safety, do not operate the controls of the product while driving.
- (2) Make sure that no object is blocking the camera lens and no reflective material appears near the lens.
- (3) Use the manufacturer-approved batteries, chargers, supplies and accessories.
- (4) Do not expose the device to heavy smoke or fumes.
- (5) Do not touch your device with wet hands.

Installation Way

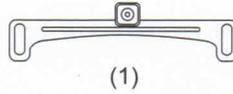


1. Bind the rearview mirror

Take off the straps and bind it to the existing mirror, plug the car charger into the cigarette lighter, the mirror will automatically start when you start the engine.

3. Installation of the backup camera

* follow the steps with the bracket you received. (Details see at the next page.)



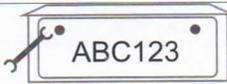
2. Routing the wire

Run the long video cable to the car dashboard, hide the cable under the carpet or trim/ from the ceiling as shown in the figure previous. All cars vary but this is generally an easy task.

4. Examination of all wires connection

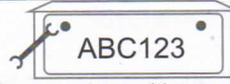
Put the car into reverse gear, and see if the rear image can perfectly be shown on the screen. (guidelines will show up only when you cut off the green cable on the camera)

(1)

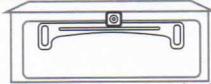


Step1 Loosen the screws on the license plate with wrench.

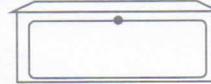
(2)



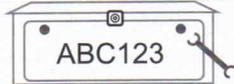
Step1 Take off the license plate with wrench.



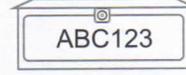
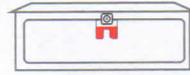
Step2 Install the camera bracket behind the license plate.



Step2 Find a best location and make a mark.



Step3 Tighten the screws with wrench. Screw the camera on your license plate. Run the camera's cable inside of the car's tailgate through the existing hole usually behind the license plate lights.



Step3 Tear off the film A of the 3M adhesive and fix it to the marked location. Tear off the film B of the 3M adhesive then attach the license plate. Then tighten the screws with wrench.

Step4 Connect the wire, the red connect the rear light, the black connect the ground. Open the inner plastic panel and remove it of the hatch or tailgate. The panels are usually attached on the tailgate by clips. This may take a bit longer time to avoid clip damages. Once this panel is removed the work will be so much easier to do. Find the reverse light power wires. Carefully peel the wire skin and securely attach the power wires from the long cable.

Note

- (1) Once you have the camera down, route the camera wiring into the vehicle. It is best to find an existing grommet to run the wiring through. If necessary, drill a hole to run the wiring into the vehicle. If you use this method, be sure to use a rubber grommet to protect the wiring.
- (2) Using the test pencil to test which cable is reverse light. And connect the black wire to any metal screw.
- (3) Please mind "+/-" of the wires. Use electrical tape to seal.

To enter the system settings

Press and hold the **MENU** button to enter the System Settings.

Note: Press the **OK** button to stop recording first when the device is recording.

To lock the current video while recording

Press the **MENU** button to lock the current video so it will not be overwritten by the newest one.

To switch into different modes

Press **MENU** button to switch into the different modes: Video Mode/ Photo Mode/ Playback Mode.

Note: If the device is recording, you need to press **OK** button to stop the recording first.

To mute audio while recording

Press the **DOWN** button to disable audio and press again to start it.

To turn off the display while driving at night

Press the **POWER** button to turn off the display. Press again to turn it on.
You can also set the value of **Screen Switch** at System Setting to turn off the display automatically.

To change the display scale of front and rear image

Press the **UP** button to change the display scale while recording.

To delete or check files at this device or via computer

On Device: Press **MENU** button twice to enter Playback Mode.

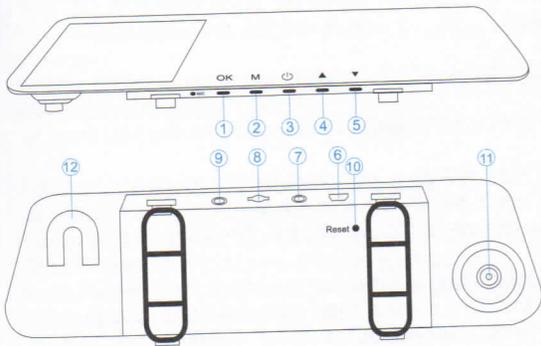
Press the **UP/DOWN** button to navigate the file you want to delete.

Press and hold **MENU** button to show OK/Cancel.

Note: You can't delete the locked file in this way. But you can choose to format the card to empty all the files.

On Computer: Take out the memory card from device, and plug it into the card reader, then connect it with computer. Open the folder named DCIM which contains two folders while DCIMA is for the front camera and DCIMB is for the rear camera.

Device Layout



Definition	Function
① 【OK】	Recording/ Stop recording; Confirm Setting.
② 【Menu】	Press and hold to start the setup manual.
③ 【Power】	Press and hold to turn on/off device. Press to turn on/off LCD.
④ 【UP】	Turn up menu, change the display scale while recording.
⑤ 【DOWN】	Press once turn down menu, start or stop the audio recording.
⑥ 【USB】	Charge interface, connect to PC for file transfer.
⑦ 【AV-IN】	Video input of rear view image
⑧ 【TF-Slot】	Support 32 GB memory card.
⑨ 【GPS】	Connected with GPS module.
⑩ 【RESET】	Reboot the system when the system crashes or has no response.
⑪ 【Lens】	Capture image
⑫ 【Speaker】	Emit sound

Status Icons

Icon	Meaning
	Video Mode
	Photo Mode
	Playback Mode
	Park Monitor
	Audio Recording has been stopped.
	Audio Recording has been started.
	Statue of Charging.
	Current Video has been locked.
	The memory card has been plug in.

Product Specifications

Display Screen	4.3" LTPS LCD.	Date&Time Stamp	Available upon menu selection.
Front Lens	145 wide angle lens.	Free Memory Card	32 GB
Rear Lens	100% waterproof 140 wide angle lens.	Language System	English/ Simplified Chinese
Battery	320mAh rechargeable lithium battery.		
Video Resolution	FHD/ HD	HDMI	Optional Support.
		AV-OUT	Optional Support.
File Format	Image: JPG Video : AVI	TV Standard	NTSC/PAL.
Move Detect	Available upon menu selection.	USB	USB2.0 High Speed.
Guarded Parking	Available upon menu selection.	Audio Recording	Available upon menu selection.

Press the MENU button to switch into Video/ Photo/ Playback Mode.

Video Mode

The video mode is for recording. And there is a flashing red light when the camera is recording.

Photo Mode

The photo mode is for taking a picture. Press the **OK** button to take a picture when the device is on the photo mode.

Playback Mode

The playback mode is for checking or deleting the video and picture that the device has saved.

To enter the system settings

Press and hold the MENU button to enter the System Settings.

Note: Press the **OK** button to stop recording first when the device is recording.

Video Quality: FHD/ HD

Set the quality of video according to your preference.

Photo Quality: 1M/ 2M/ 5M/ 8M

Set the photo resolution according to your preference.

Video Time Length: 2 Minutes, 3Minutes, 5Minutes

The device will continue to record by overwriting the oldest video.

Move Detect: On/ Off

When the Move Detect is on, it will automatically start recording when there is a moving object; it will automatically recording after the object stop moving for 10 seconds.

Note: you need to turn on the device for supporting this function.

White Balance: Auto/ Daylight/ Cloudy /Incandescent/ Fluorescent

This function allows users to select the balancing of the lighting effect in different environment. Recommended to set as (AUTO)

Exposure: -3/ -2/-1/ 0/ 1/ 2/ 3

Adjust exposure according to your preference.

Power On Record: On/ Off

If you turn on "Power On Record", the device will automatically start recording when you start the car.

Screen Switch: 10 Seconds/ 20 Seconds/ 30 Seconds/ Close

Select timer interval for the LCD to turn off after recording starts.

Record Voice: On/ Off

You may choose to turn off the microphone so that the recorded file saved by the device will be muted.

Park Monitor: On/ Off

If the Park Monitor is on, this device will automatically start to record on condition that there is a shock around your car.

Collision Sensitivity: High/ Mid/ Low/ Close

It measures the acceleration and gravity forces detected by the camera. At such case, the device will auto do a file lock. Recommend to set [Mid].

Date: Y/ M/ D H/ M/ S

Access the following settings to change the device's time and date.

Language: English/ Simplified Chinese

Change the language according to your preference.

Time Watermark: On/ Off

You have an option to display your date in your videos. Time Watermark will not be able to remove once you have activated this feature.

Format: OK/ Cancel

You can format the memory card at the device.

Factory Reset: OK/ Cancel

Let the system restore the default value.

Firmware Info

It shows the firmware information about this device.

General Troubleshooting

Question	Reason	Solution
The captured image is not stored.	1. 32GB Memory Card might be full or malfunction. 2. Image is not saved before the power outage.	1. Reformat the card or replace a new 32GB Memory Card. 2. Make sure to stop recording before shutting down.
All buttons are invalid.	1. Procedural error or faulty Operation 2. 32GB Memory Card might be error or faulty	1. Press RESET button to restart the DVR. 2. Change a new card or reformat the card.
Device cannot be turn on.	Device might be low in battery.	Charge the Battery.
Screen Auto power-off	1. Screen Saver function is Enabled. 2. Low Battery.	1. Press on UP button disable the screen saver. 2. Charge the battery
Hazy Images	Lens might be dirty.	Check if there is dust on the lens. Clean it with fabric cloth.
Parking guide lines do not show up.	The green cable on the backup camera was not cut off.	Cut the green cable, parking guide line will be enabled.



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