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## 4K WiFi Dash Cam

Ultra HD Video Recording  
with App Control

Model: AT2091

Operation Guide

Step 2 of 2



Date Code: 06/24



## Safety Information

- Please read these instructions carefully for best results.
- Children should be supervised to ensure that they do not play with the device.
- Do not operate the dash cam and accessories while driving.
- Do not install the dash cam where it may block the driver's view of the road or deploy the airbag.
- Do not use the 4K WiFi Dash Cam near open flames such as candles, heat sources, radiators, and stoves.
- Do not leave the dash cam in direct sunlight for long periods of time where the temperature is above 140°F (60°C).
- The dash cam will heat up during operation. Please keep it ventilated and without any covering.
- The dash cam uses a built-in lithium battery. Do not squeeze, punch or puncture it.
- Do not disassemble, repair, or modify the device yourself because it will void the warranty. In case of failure, consult a professional.
- Only clean the 4K WiFi Dash Cam with a dry cloth.

## Important

- Please install and format the memory card before using this device.
- Plug the car charger into the cigarette lighter of the car and ensure it is kept in good contact.
- Protect the power cord from being kinked or bent.
- Do not use corrosive solvents to clean the dash cam and accessories. Clean them only with a clean, soft cloth.

- Operating environment: Temperature 14°F to 122°F (-10°C to 50°C), humidity ≤70%, dustproof.
- Storage environment: Temperature -4°F to 140°F (-20°C to 60°C) humidity ≤60%, dustproof.
- Take test shots before use to ensure the dash cam works properly. We are not liable for additional losses due to incorrect use or dash cam failure.

## Other Warnings

- Do not use in places prohibited by law. Please comply with local laws and regulations.
- Use of this product shall not violate the privacy of others. Please comply with the laws and regulations of personal privacy protection.
- Do not discard the dash cam and accessories at will. Please dispose of them in accordance with local laws.

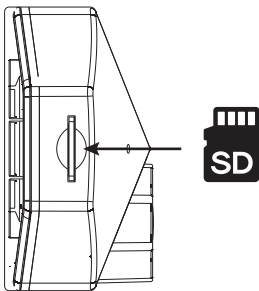
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## Verify that the memory card is installed before using the dash cam

A memory card is required to record video. A 32GB card has been included and is pre-formatted and pre-installed for your convenience.



### Installing a New Memory Card

With the dash cam is turned off, please insert the memory card into the "Memory Card" slot and push inward (the memory card can only go in one way). Push inward until a "click" is heard.

### Remove Memory Card

Turn off the dash cam, press the memory card inward with your fingernail or a thin needle, then release when you hear a "click" sound and the memory card pops out.

### Formatting a New Memory Card

- To format (or reformat) a memory card, first ensure the card is inserted into the card slot.
- If the camera is recording (flashing red dot on the screen), please stop recording by pressing OK before accessing any menus.
- Press MENU twice to access the setup page.
- Press the DOWN arrow key 12 times to reach FORMAT option.
- Press OK.
- Press the UP arrow key to highlight "ok" and press the OK button.
- Once complete, press the MENU button twice to return to video mode.

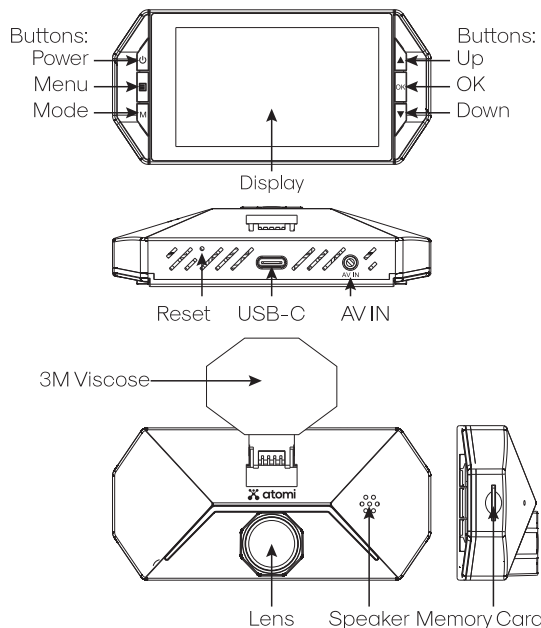
#### Notes:

- The menu cannot be accessed while recording (red dots flashing on the screen indicate recording). Stop recording before entering the menu.
- The formatting operation will delete all files on the card. The file cannot be recovered once deleted.

#### Notes:

- This dash cam must use a U3/Class 10 or above high-speed card.
- When installing, please confirm the insertion/direction of the memory card. Incorrect insertion will damage the cam and the memory card.
- Do not remove and insert the memory card while the dash cam is working. This may damage the memory card or corrupt data.

## Button Functions



Note: This dash cam requires external power from the 12V power cable included. It converts 12V to the 5V required by the camera at the USB interface and cannot be turned on without the power cable. The built-in lithium battery is only used to save data and support the parking guard, not regular operation while driving.

Power



Under the shutdown state, press to power ON.  
In the startup state, long press to power OFF and short press to open/close the display.

Up



In the menu state, press for menu page UP.  
In the video/photo mode preview, press to enlarge digital zoom and long press to turn ON/OFF WiFi. In playback mode, press to switch files UP and while playing video files, press to fast-forward playback.

OK



In video mode, press OK to start/stop recording. In the photo mode, press OK to take photograph. In the menu state, press OK to confirm operation. In playback mode, press OK to start/pause playing. In the video/photo preview mode, long press to turn ON/OFF the voice warning when powering ON.

Down



In the menu state, press to turn to the previous page. In the video/photo mode preview, press to zoom out and long press to open/close audio recording. In playback mode, press to switch files DOWN, and when playing video files, press to rewind playback.

Menu



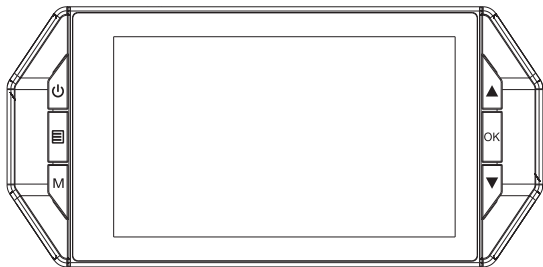
Press in each mode to enter the MENU. Press MENU again (without making any selection) to switch to the Setting Menu. Press the MENU button again to exit the current menu.

Mode



In each mode, press the MODE button to switch between Video Mode, Photo Mode and Playback Mode.

## Quick Start



- Power the dash cam by connecting it to the 12VDC vehicle plug.
- The dash cam starts up and begins recording automatically. A red dot will flash on the screen when recording is in process.
- To access the menus, press OK to stop recording. The dash cam is in standby mode and there will be no flashing red dot. Choose to either resume recording by pressing OK or select one of the menus.
- Press MENU once to enter the VIDEO MENU page. Use the arrows to navigate the settings. From Standby Mode, press MENU once.
- Press MENU twice to enter the SETUP MENU page. Use the arrows to navigate the settings.

## Using the Dash Cam

### Initial Settings

- Before using the dash cam, ensure a formatted memory card is inserted in the card slot. If a brand new card has been inserted, it must be formatted, see page 7 for formatting instructions.
- Set date and time before using dash cam.
- Review other settings and options before first use.

### Manually Turn ON the Dash Cam

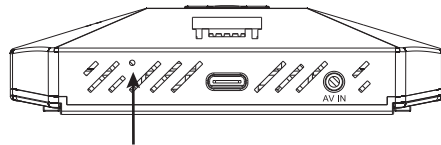
Press POWER. The screen lights up and the dash cam turns ON.

### Manually Turn OFF the Dash Cam

Press OK to stop recording (No red dot flashing on the screen) and press POWER for about 3 seconds to turn OFF the dash cam.

### Reset the Device

If the dash cam is not working properly and cannot be restarted, insert a metal pin into the "R" hole on the side of the dash cam and hold it for 5 seconds, then release and the dash cam will restart.



## Dash Cam Modes

The dash cam operates in three modes: Video Recording, Photo, and Playback mode. Press MODE to switch and access the different modes.

### Video Recording Mode

- The dash cam will automatically enter Video Recording mode and will start recording when powered ON. A flashing red dot in the top right corner indicates video recording in progress.
- Press OK to stop recording or restart recording.
- Press POWER to turn the screen ON/OFF.
- Long press UP to turn OFF/ON the WiFi.
- Press DOWN to turn OFF/ON the microphone.
- During recording, press MENU to lock the current recording.

#### Notes:

- Locked videos will not be overwritten.
- See G-Sensor on page 12 for more details.

## Video Menu Options

### Set the Video Recording Mode Menu

- In video recording mode, press OK to stop recording and press MENU to open the recording mode menu.
- Press UP or DOWN to select the option, press OK to confirm and press MENU to exit.

### Resolution

- 3840\*2160 30FPS (4K)
- 2560\*1440 30FPS
- 1920\*1080 60FPS
- 1920\*1080 30FPS

### Loop Recording

- When the memory card storage space is full, the dash cam automatically overwrites the earliest files.
- Adjust the length of each video: 1 minute (Default)/3 minutes.

### WDR (Wide Dynamic Range)

Turn on WDR to optimize video quality, giving the dash cam a wider range of light adaptation and better images in environments with strong contrast between light and dark. Enabling this function is recommended.

### G-Sensor

- G-Sensors will detect significant or sudden shock and movement and the dash cam will automatically lock the current recording.
- Detection sensitivity options: Off/Low/Medium (default)/ High.
- If set to HIGH, the dash cam will automatically lock the video even if the car goes over a speed bump which can cause a lot of useless videos to be locked. The recommended setting is MEDIUM.
- See page 9 for accessing MENUs.

### Parking Guard

For monitoring after parking, turn on the parking guard. When the car is powered off, the dash cam stays on standby. When the G-Sensor of the dash cam detects shaking, it will automatically record a video before resuming standby.

#### Notes:

- The parking guard function is powered by the built-in battery. If the battery is exhausted due to excessive use, the parking guard function will fail. Wait for the car's power supply to turn on and return to normal after automatic charging.

### Record Audio

Enable or disable the sound recording.

### Date Stamp

Turn ON/OFF date and time stamps in video files.

### Playback Mode

- Browse and play recorded videos and manage files.
- Press OK to stop recording (no red dots flashing on the screen), and press MODE twice to enter playback mode where all files can be viewed. Press UP or DOWN to scroll through the video files.
- Press OK to play the video and press OK again to stop playing. While playing, press UP to fast-forward and DOWN to rewind.
- After stopping the playback, short press MENU to bring up the playback mode menu: Delete/Protect /Slide Show, and press OK to enter the sub-menu.

### Delete

Deletes the current file or all files.

### Protection

Locks or unlocks the current file or all files.

### Slide Show

- Select an interval to activate this feature and the recorded file will be displayed as a slide show.
- Follow the prompts on the screen and press OK to confirm the operation. Once the operation is complete, press MENU twice to exit.
- Long press MODE to return to video recording mode.

#### Notes:

- The name of the file is in the upper right corner of the screen.
- Files protected by a lock will not be overwritten by loop recordings and will not be deleted. If you want to delete it, unlock it first.

## Photo Menu Options

### Set the Photo Mode Menu

- After powering on the dash cam, it will start video recording automatically.
- Press OK to stop recording. Press MODE to enter photo mode.
- In photo mode, press MENU to enter the photo menu.
- Press UP or DOWN to select the option, press OK to confirm and press MENU to exit.

### Photo Resolution

- 20MP 5312x3984
- 16MP 4608x3456
- 14MP 4320x3240
- 12MP 4032x3024
- 10MP 3648x2736
- 8MP 3264x2448
- 5MP 2592x1944
- 3MP 2048x1536

### Burst Mode

Set whether to enable continuous shooting (three pictures at a time) by selecting ON (default) or OFF.

### Photo Quality

Set the photo quality to Fine, Normal (default), or Economy.

### Sharpness

Set the sharpness of the photo to Sharp, Normal (default), or Soft.

### Image Effects

Set different color effects of photos taken. Select from Normal, Black and White (default), or Sepia.

## ISO

Set the value of the sensitivity to Auto (default), 100, 200, or 400.

## Date Stamp

Turn ON/OFF date and time stamps in photo files.

## Setup Menu Options

### Set the System Menu

- In video recording mode, press OK to stop recording and press MENU twice to enter the system settings menu.
- Press UP and DOWN to select the MENU, press OK to confirm and save, and press MENU to return.

### WiFi

Turn ON/OFF the WiFi. After the WiFi is turned on, the dash cam can be connected to the phone and the dash cam can be operated through the phone app.

### Notes:

- When the dash cam WiFi is turned on, some buttons do not work. If you need to operate the button, long press UP to turn off WiFi first.
- The dash cam WiFi is in point-to-point mode and cannot access the Internet.

### Screen Saver

The display automatically closes at a fixed time so that the product works at a lower power consumption. Note: The dash cam still records even when the screen saver is activated. Select OFF to disable this function. If you select one minute, the system enters the power saving mode after starting the system for one minute.



### Beep Sound

Used to turn ON/OFF the beep sound.

### Exposure

Adjust the brightness of the video according to the intensity of the ambient light to keep the video brightness appropriate.

### Frequency

If the dash cam is disturbed by light, try changing the frequency to reduce flicker.

### Default Settings

Reset the dash cam system parameters and restore factory defaults. This operation does not delete files in the card.

### Version

View the current firmware and software version of the dash cam.

### GPS Menu

This dash cam uses an external GPS module (integrated into the mounting bracket). The following menu will be displayed when the mounting bracket is connected with the GPS. Otherwise, these menus are automatically hidden.

### GPS Switch

Enable or disable GPS. When the GPS is turned ON, the dash cam records location and trajectory.

### GPS Info

Press OK to enter. It will display the current GPS information, view the GPS signal strength, and latitude and longitude information. Press MENU to exit.

### Speed Unit

Set the speed unit of the car when driving: KM/H & MPH.

### Time Zone

Select the time zone where the dash cam is currently located.

### Set the Date and Time

Set the system date and time. In the system menu, press UP to select date and time options and press OK to enter settings. Press UP and DOWN to adjust the number, press OK to confirm and proceed to the next item. After completing all settings, press MENU to return to the system menu.

### Playing Video on the PC

- Use a USB cable to connect the dash cam to the USB port on your computer. Select MASS STORAGE on your dash cam and press OK to confirm.
- Find the removable disk on your PC, open the folder, and view your recorded videos.

#### Notes:

- It is recommended to transfer the video file to the computer before playing which will reduce delays or freeze in playback.

### Language Settings

Press OK to stop recording and press MENU twice to enter the system menu. Press UP to select the language option and press OK to enter the language settings. Press UP or DOWN to select the language, press OK to confirm and return to the system menu.

## Troubleshooting

### 1. Can't get to the menu?

When the dash cam is recording (red dots flashing on the screen), the MENU button does not work. Please press OK to stop recording and then press MENU to access the menu.

Another reason could be that the dash cam has WiFi enabled. When WiFi is enabled (the screen shows the WiFi icon), the MENU button does not work. Please long press UP until the WiFi icon disappears. The MENU button can normally be used when the WiFi is off.

### 2. Why does the dash cam automatically stop while recording?

- Check if the memory is full.
- Then check if the loop recording function is working.
- Next, check whether the storage speed is above U3.
- Lastly, check if there are too many locked videos in the dash cam memory card, resulting in insufficient memory space. If yes, format the memory card.

### 3. Why is the video not playing properly on the computer?

- First, format the memory card in the dash cam.
- Next, change to a U3 or higher speed card.
- Then download the video to your computer and save it before playing it. The disruption may be from the computer's low configuration or player, so ensure that the computer's performance or player is suitable.

### 4. Why are there stripes, interference, or flickers in the video?

Maybe the frequency of the light source is wrong. Change the frequency setting of the dash cam to 50HZ or 60HZ in the settings.

### 5. The 3M sticker does not properly attach to the windshield.

Wipe the windshield with glass cleaner and clean it with a cloth.

### 6. The dash cam will shut down immediately without an external power supply or will not work properly after the external power supply is disconnected.

This is normal. The dash cam requires an external power supply of 5V 2A, and it cannot be turned on without an external power source. Because this 4K dual-lens dash cam requires a large current, the built-in battery is mainly used to save data and support parking guards.

### 7. Why does the dash cam keep turning on and off?

Please check that the charging cable is properly connected. Insert the needle into the "R" hole of the dash cam, hold it down for 3 seconds, and release it. The dash cam will restart automatically. If this does not work, format the memory card in the menu. Recheck that the dash cam is back to normal.

### 8. What can I do if the dash cam crashes?

If the dash cam crashes during use, insert a thin needle into the dash cam "R" hole, hold it down for 3 seconds, and release. The dash cam will automatically restart.

### 9. Why do I get "Memory Error" message?

Newly purchased memory cards need to be formatted locally before use. Make sure your dash cam is plugged into a power source, then press MENU twice to enter the setup menu. Press UP and DOWN to select the format option, then press OK to format the card. After formatting the memory card, the dash cam will automatically return to the setup menu. Press MENU to return to recording mode.

**FCC Notice:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the two following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:**

Modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

**RF Exposure Information**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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