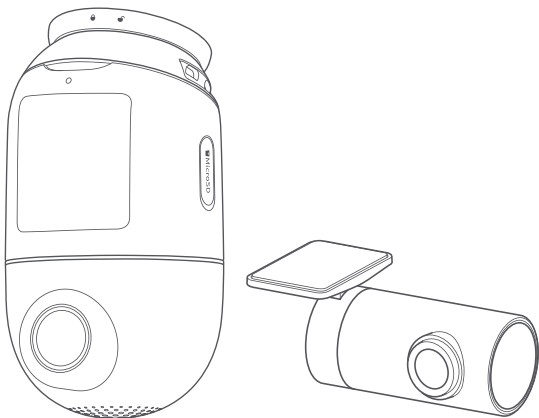


# 70mai Dash Cam 4K Omni Series User Manual



Warning

1. If an accident occurs, turn off the power of the dash cam and remove the microSD card in a timely manner to prevent the recorded video files from being overwritten.
2. Before inserting the microSD card into the dash cam, refer to "Memory Card".
3. Do not insert or remove the microSD card when the dash cam is turned on. Doing so may damage your dash cam or microSD card.

This manual is applicable to two models of the 70mai Dash Cam 4K Omni Series: X800 and X800-2.

70mai

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The 70mai® brand is committed to continuously improving its products and enhancing user experience. This device and the 70mai app will be constantly updated, and therefore the user manual may be slightly different from the actual situation.

#### **After-sales Service**



Use your smartphone to scan the QR code and send an email to [help@70mai.com](mailto:help@70mai.com) to contact us.

#### **Online Guide**



By using your smartphone to scan the QR code, you can view the online guide on your phone.

## Safety Precautions

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Read this manual carefully and keep it properly before using the product.

This dash cam aims to assist the driver by recording the external environment of the vehicle, but it does not guarantee the driver's driving safety. You must comply with local traffic rules and regulations, and prioritize driving safety. Do not operate this product while driving.

### Installation/Wiring

- To avoid product malfunctions and personal injury, install the dash cam correctly and be careful not to obstruct the driver's field of view and the vehicle airbags.
- To avoid product malfunctions caused by unqualified products, use the supplied accessories such as the car charger and power cord. 70mai is not liable for any loss or damage caused by the use of a non-original car charger or power cord.

### Precautions for Use

- Do not operate this product, stare at the screen to operate the app, or engage in other legally prohibited operations while driving. Make sure to park in a safe location before proceeding with the operation and confirmation.
- Due to differences in vehicle condition, driving style, driving environment, etc., some functions of this product may not function properly. Power outages, use of the product in environments beyond normal operating temperature and humidity, collisions, and other reasons may cause recording failure. This product does not guarantee that all videos can be fully saved under any circumstances. The driving video recorded by this product is for reference only.
- If the front windshield where the product is installed is covered with colored automotive film, it may affect the quality of the recorded video or cause video distortion.
- Do not disassemble, repair, or modify this product and its accessories. Doing so may cause accidents, fires, electric shock, and malfunctions.
- Do not block the exhaust port of this product. This product may generate heat internally, leading to fire or malfunction.
- Do not subject this product to strong impacts or vibrations

to avoid damaging the product, causing it to malfunction or become unusable.

- Do not use chemical solvents or cleaning agents to clean this product.
- Keep this product away from strong magnetic fields, as strong magnetic fields may cause damage to the product.
- After the product works for a period of time, the shell temperature will rise. Be careful when touching it.
- This product is not a toy. The small components inside the product and accessories may cause suffocation or other injuries to children. Therefore, keep the product out of reach of children.
- Use this dash cam at a temperature between -10°C and 60°C.
- Use this dash cam within the scope permitted by law.

## Battery Safety

1. The product contains a non-removable lithium metal battery. Do not replace the battery by yourself to avoid damaging the battery or product. The battery can only be replaced by an authorized service center and must be replaced with a battery of the same type. Replacement of a battery with an incorrect type can defeat a safeguard (fire, explosion, battery leakage, etc)
2. If you need to use a power adapter for power supply, purchase a power adapter that has been certified and complies with relevant standards.
3. Do not disassemble, impact, or squeeze the product, or throw it into fire. Doing so may cause an explosion.
4. Do not swallow the battery as it may pose a risk of chemical burns.
5. Do not dispose of the battery in household waste. Comply with relevant national regulations for safe disposal of used batteries.

Warning:

1. Replacement of a battery with an incorrect type may defeat a safeguard.
2. Throwing the battery into fire or an oven, or mechanically crushing or cutting the battery may cause an explosion.
3. Placing the battery in an extremely high temperature environment, such as sunlight, fire, or hot surfaces, may cause explosions or leakage of flammable gases or liquids.
4. Batteries at extremely low pressure may cause explosions or leakage of flammable gases or liquids.

# Memory Card

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The dash cam supports standard microSD cards. Please use a microSD card with a capacity of 32 GB to 512 GB at a read/write speed of U3 (UHS-3) or higher.



**RECOMMENDED**



**UHS 3**  
(ULTRA HIGH SPEED)

- Before use, insert the microSD card into the dash cam.
- The default file format of the microSD card may be inconsistent with that supported by this product. When using a new microSD card on this product for the first time, initialize the microSD card using this product. Using other devices to initialize the microSD card may cause the microSD card to malfunction. Initializing the microSD card will delete all data on it. Please back up important data to other devices in advance.
- If a microSD card is used for a long time, it may become damaged or deteriorated over time, affecting the ability to save video and image files. In this case, replace the microSD card with a new one immediately.
- Use a reliable and high-quality microSD card. When a low-quality microSD card is used, the actual read/write speed or the actual available capacity may be inconsistent with the stated one. 70mai is not liable for material loss or damage caused by the use of a low-quality microSD card.
- Do not insert or remove the microSD card when the dash cam is turned on. Doing so may damage your dash cam or microSD card.

## About Recording Time of the Dash Cam

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MicroSD Card	Front-view recording	Dual-channel recording
32 GB	About 1.5 hours	About 1 hour
64 GB	About 3.5 hours	About 2 hours

128 GB	About 7 hours	About 5 hours
256 GB	About 14 hours	About 8 hours
512 GB	About 30 hours	About 20 hours

- The recording time varies depending on the settings. The time lengths listed in the preceding table are obtained with the following settings:
  - Video resolution (page 28): 3840 x 2160 HDR
  - Video storage (page 28): High compression
  - Audio recording (page 34): Enabled
- Use a microSD card with a read/write speed of U3 or higher level. (The dash cam requires a high read/write speed. Do not use an inferior-quality microSD card.)
- Each type of video is rewritten in chronological order and partitioned without interfering with each other.
- If you want to save a video, download it to your smartphone via the 70mai app to prevent it from being overwritten.

## GPS Signal Receiving

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- If you use this product for the first time or have not used it for a long time, it may take a few minutes to complete GPS positioning. You can check  on the status bar on the main screen to determine whether positioning is successful.
- Location information may not be recorded in places where GPS signals cannot be received (such as tunnels).
- There may be deviations in the location information, depending on the specific location.
- Note that if a metal film is attached to the front windshield where the product is installed, the metal film may cause deterioration of GPS signals received by a dash cam with the built-in GPS module.

## About Radio Wave

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Wireless Connectivity: Wi-Fi IEEE 802.11a/b/g/n/ac/ax 2.4GHz & 5GHz, Bluetooth® 5.3

Wi-Fi operation frequency: 2400-2483.5MHz & 5170-5835MHz

Maximum Output Power of Wi-Fi: ≤ 20dBm

GPS Operation Frequency: L1 1575.42 MHz

GLONASS Operation Frequency: L1 1602 MHz

Maximum Bluetooth Output: ≤ 10dBm

Bluetooth Operation Frequency: 2400-2483.5 MHz

# Packing List

---

1. Dash Cam × 1
2. Power cord × 1
3. Car charger × 1
4. Mount (pre-installed on the dash cam) × 1
5. Adhesive sticker × 1
6. Electrostatic sticker × 2
7. Wiring trim tool × 1
8. User manual × 1
9. **Rear camera package\*** × 1
10. Memory Card x 1



Dash cam



Power cord



Car charger



Adhesive sticker



Electrostatic sticker



Wiring trim tool



User manual



Rear camera



Rear camera wire



Memory card

\* This package contains the rear camera (integrated with lead wire), rear camera wire and other accessories for the rear camera. For more information about the rear camera, please refer to the rear camera user manual.

## Optional Accessories

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To use the parking surveillance function, you need to purchase a 70mai Hardwire Kit(Model: Midrive UP03/Midrive UP04/Midrive UP05) separately.

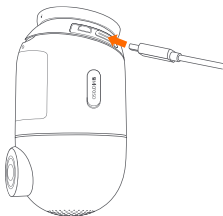


For the operation guides of 70mai RC14 Rear Camera (Model: Midrive RC14) and 70mai Hardwire Kit, scan the QR code or visit <https://help.70mai.asia/1472.html>.

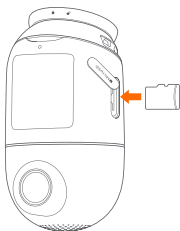
## **Operation Check and Initial Setup**

Before installing the dash cam, check its operations and perform initial setup (language settings, date and time settings, etc.).

- 1.** Park the car in a safe and flat area, apply the parking brake, and turn off the engine.
- 2.** Connect the supplied power cord to the power port, and connect the dash cam to the cigarette lighter socket of the car.



- 3.** Insert the microSD card into the dash cam.



- 4.** Start the car.

The dash cam automatically turns on and the app will show the beginner tutorial page after the device is bound. For detailed information about device binding, refer to "70mai APP" section.

## 5. Follow the instructions in the app to complete the initial setup.

During initial setup, the following items will be set or displayed.

For detailed information about the instructions, refer to "70mai APP" section.

The reference is as follows:

Setting	Description
Welcome page	Display the welcome message for you.
System language	Set the language displayed on the "System language" page.
Start position	Set the start position of the pan gimbal.
Parking surveillance	Enable or disable the parking surveillance function. Connect and configure 70mai Hardwire Kit (optional).
Voice operation	Display the supported voice commands when the device is running.

You can also perform initial setup later.

## 6. After initial setup, the dash cam displays the normal recording screen.

- If the icon **●REC** is displayed in the upper left corner of the screen and the (red dot icon) is flashing, you can use the dash cam normally.

## 7. Turn off the engine, and disconnect the power cord from the dash cam and cigarette lighter socket.

Refer to "Installation" to install the dash cam.

# Installation

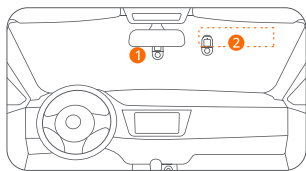
Before installing the dash cam, perform "Operation Check and Initial Setup".

## Installing the dash cam

1. Mount the dash cam on either of the recommended positions of the front windshield as appropriate: ①. Near the center of rearview

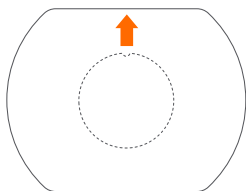
mirror; ②. On the front of the passenger seat.

Recommended installation area

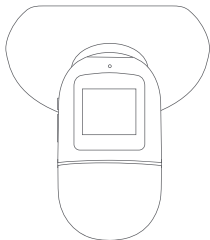


2. Attach the electrostatic sticker on the selected position, with the gap image facing upwards. Press the sticker to remove air bubbles out. Avoid the edge of the windshield and select the flat and smooth area for the installation.

Note: Keep windshield clean and dry without liquid residue to prevent the sticker from losing adhesion and dash cam from dropping.



3. Remove the protective film from the double-sided tape on the mount, Paste the dash cam on the electrostatic sticker. Make sure the gap on the adhesive sticker aligns with that on the electrostatic sticker and the display screen faces the car interior.

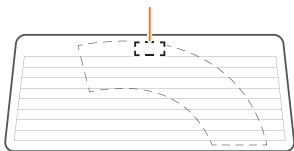


- The adhesion takes some time to stabilize. Therefore, keep it still for a while.

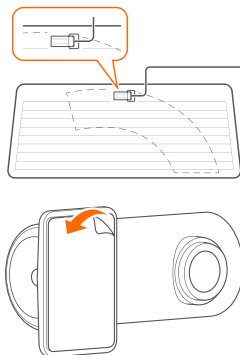
## Installing the rear camera

1. Clean the installation surface of the rear windshield, and attach the supplied electrostatic sticker of the rear camera to the installation position of the rear camera.

Recommended installation area of the rear camera



2. Remove the protective film of the double-sided tape on the rear camera, and stick the rear camera onto the electrostatic sticker on the rear windshield.
- Pay attention to the installation direction of the rear camera. Avoid flipping of images on the device.

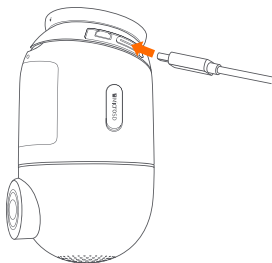


Press the rear camera against the rear windshield to secure the rear camera.

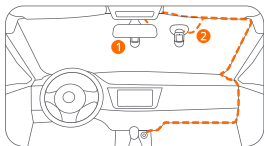
- The adhesion takes some time to stabilize. Therefore, keep it still for a while.

## Connecting the dash cam

1. Connect the supplied Type-C connector of the power cord to the power port of the dash cam, and connect the other end to the car charger.



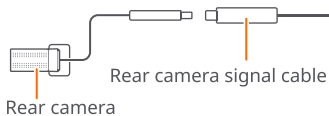
2. Use the supplied wiring crowbar to hide the power cord underneath the car roof lining and A pillar rubber sealing strip.



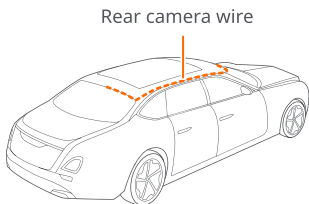
3. Route the power cord to the cigarette lighter socket, and insert the car charger into the cigarette lighter socket.
  - The position of the cigarette lighter socket varies according to the car.

## Connecting the rear camera

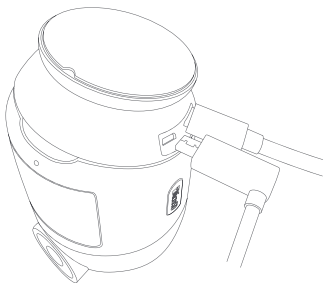
1. Connect the supplied rear camera signal cable to the rear camera cable.



2. Use the supplied wiring crowbar to hide the rear camera signal cable under the rubber sealing strip on the top of the rear windshield, C pillar (or D pillar), and top of a side window, and connect the signal cable to the dash cam.

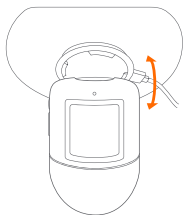



3. Connect the supplied rear camera signal cable to the rear camera port on the dash cam.



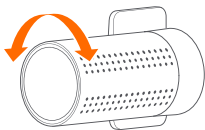
## Adjusting the camera angle

1. Turn on the engine of the car.  
The dash cam automatically turns on and starts continuous recording.
2. Adjust the camera angle based on the image presented on the main screen when dash cam is turned on.



3. Press the function button under the  icon on the device app to switch to the image of the rear camera.

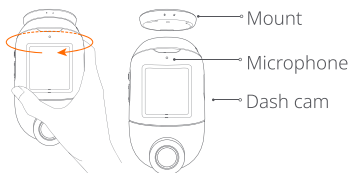
- Adjust the camera angle while checking the image of the rear camera on the dash cam.





## Installing/uninstalling the mount

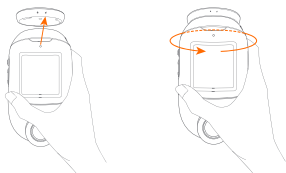
### Uninstalling the mount

Hold the dash cam and screw it clockwise and then the dash cam will separate with the mount.



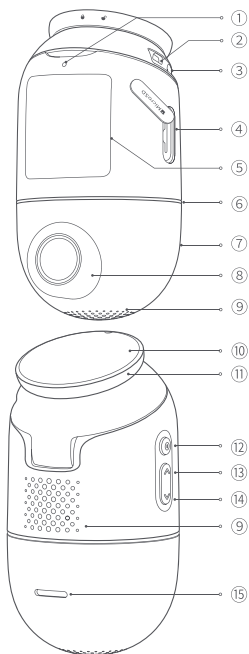
### Installing the mount

- Align the microphone with the icon  on the mount, and the dash cam is inserted into the mount.
- Hold the dash cam and screw counterclockwise until the microphone is aligned with the icon  on the mount, and then the dash cam is tightened up with the mount.



# Product Overview

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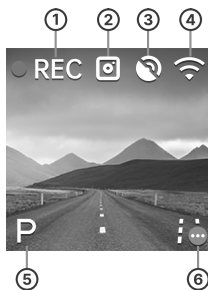
- ① Microphone
- ② Rear camera port  
Connected to the rear camera.
- ③ Power port  
Connected to the supplied power cord.  
By connecting the dash cam to a computer using a USB cable (Type-C), you can back up video/image files to the computer.
- ④ Memory card slot  
Used to accommodate the microSD card (optional).
- ⑤ Display screen
- ⑥ Ring-shaped indicator
- ⑦ Pan gimbal
- ⑧ Camera


- ⑨ Ventilation holes
- ⑩ Adhesive sticker
- ⑪ Mount
- ⑫ Power button
- ⑬ Up button
- ⑭ Down button
- ⑮ Speaker




- The screens and operation examples in this manual are for reference only. The actual product and functions may differ due to constant function updates of the product.

## Main Screen

Insert the microSD card and turn on the dash cam to start recording. The main screen displays recorded images in real-time and icons indicating various functional states.



- ① Recording status  
Indicates whether recording is in progress. If an exception occurs, ● (red dot) will change to ● (white dot) and ~~REC~~ will display.
- ② Rear camera (Only when the device is connected to a rear camera)  
Displayed when the dash cam is connected to the rear camera.
- ③ GPS  
Indicates that location information has been obtained.
- ④ Wi-Fi hotspot  
Indicates that the Wi-Fi hotspot is enabled.  is displayed if the Wi-Fi hotspot is disabled.

- ⑤ Parking surveillance  
Indicates that parking surveillance (collision detection/ activity detection recording) is enabled.
- ⑥ ADAS calibration  
 indicates that the Advanced Driver Assistance System (ADAS) has been successfully calibrated. During the calibration process, the  icon will be displayed. If calibration fails, this icon will change to .

## Button Functions

---

Button type	Operation	Function
Power button	Press once when the dash cam is turned off. Note: The dash cam should be connected with external power source.	Turn on the device.
Power button	Press once on the quick control panel or menu page.	Confirm your selection.
	Press twice on the home page.	Record an emergency video.
	Press and hold for about 3 seconds.	Turn off the device.
	Press and hold for about 15 seconds.	Force shutdown the device.
Up button	Press once on the home page.	Go to the end of the quick control panel.
Down button	Press once on the home page.	Go to the start of the quick control panel.

## Voice control

---

Dash cam supports voice control. When the dash cam is operating, voice commands from the user will trigger the corresponding functions.

The supported languages are English, Italian, Japanese and Mandarin (when the dash cam's system language is Traditional Chinese). The voice commands are as follows:

Voice command	Function
Take photo	Dash cam will take a photo.
Record video	Dash cam will record an emergency video.
Record audio	Dash cam will record audio as well as videos.
Turn off audio	Dash cam will not record audio but only videos.
Enable hotspot	Dash cam's Wi-Fi hotspot will turn on.
Disable hotspot	Dash cam's Wi-Fi hotspot will turn off.
Switch front view <sup>1</sup>	The real-time image on the home page will switch to front view.
Switch rear view <sup>1</sup>	The real-time image on the home page will switch to rear view.
Capture left	The pan gimbal will rotate to the preset fixed angle on the left and continue to record.
Capture right	The pan gimbal will rotate to the preset fixed angle on the right and continue to record.
Capture inside	The pan gimbal will rotate to the preset fixed angle inside of the vehicle and continue to record.
Camera reset	The pan gimbal will rotate to the preset start position <sup>2</sup> .
Take selfie	The pan gimbal will rotate to the preset angle inside of the vehicle and take a photo when the countdown ends.
Shoot vlog	The pan gimbal automatically rotates one circle horizontally to capture a panoramic video.

Notes:

1. To use those voice commands, make sure a rear camera is installed and connected correctly with the dash cam.
2. The start position can be adjusted. Connect the dash cam with the 70mai app and adjust it in the dash cam settings, following the on-screen prompts.
3. When the dash cam is connected with the 70mai app, voice control is not supported.

# Indicator

---

Indicator Status	Dash Cam Status
Steady blue	<ul style="list-style-type: none"><li>• Initially turning on</li><li>• Formatting succeeded</li><li>• Restoring to factory settings succeeded</li><li>• Activating the 4G module succeeded</li><li>• GPS positioning succeeded</li></ul>
Breathing blue	<ul style="list-style-type: none"><li>• Connected with 70mai app and accessing to the album</li><li>• Initially turning on and to be activated</li><li>• Providing guidance for the beginner</li><li>• Connected with 70mai app and upgrading the package</li><li>• Formatting the internal storage</li><li>• Restoring to factory settings</li><li>• Turning on the dash cam on user's birthday if the user's birthday information has been filled in the 70mai app and synchronized with the dash cam</li></ul>
Steady red	<ul style="list-style-type: none"><li>• Detecting/repairing the internal storage</li><li>• ADAS broadcasting events</li><li>• Triggering activity detection when the dash cam is in the parking working status</li><li>• Triggering collision detection when the dash cam is in the parking working status and the monitoring light is turning on</li></ul>
Steady yellow, and rotating clockwise at a speed of 1 second per revolution	<ul style="list-style-type: none"><li>• Formatting failed</li><li>• 4G network disconnected when the dash cam connecting and activating the 4G module</li><li>• GPS positioning failed</li><li>• TF card storage exception</li></ul>

## Power-on/Power-off

---

### Powering on

The dash cam can be powered on in any of the following ways:

- Connect the dash cam to the cigarette lighter in your car. When the car starts and the cigarette lighter receives power from the car, the dash cam turns on automatically.

- Connect the dash cam to an external power supply and power it off manually. Then, press the power button to power it on.
- Connect the 70mai Hardwire Kit to the dash cam. While your car is starting, the dash cam turns on automatically upon detection of the ACC ON signal over the 70mai Hardwire Kit.
- Connect the 70mai Hardwire Kit to the dash cam and enable collision detection. When your car experiences shocks in the parking spot, the dash cam turns on to record a parking surveillance video. When the recording ends, the dash cam turns off.

Note:

- The dash cam cannot turn on if it is not connected to an external power supply.
- Be sure to insert the microSD card before turning on the dash cam. Turn off the dash cam before inserting the microSD card.
- When the dash cam is on, you can press the power button to turn off the screen. When you press the power button again, the screen lights up.

## Powering off

The dash cam can be powered off in any of the following ways:

- If the dash cam is not needed, hold down the power button for 3s or unplug the power cord from the socket of cigarette lighter to power off the dash cam.
- If the dash cam does not respond, hold down the power button for 15s to power it off forcibly.
- With the 70mai Hardwire Kit connected, the dash cam turns off automatically when it detects an ACC OFF signal.
- The cigarette lighter of your car model may remain on after the engine is turned off. In this case, the dash cam is still powered. If you have set the timer for auto power off with continuous inactivity, the dash cam turns off automatically when the timer expires.
- After the dash cam is connected to the cigarette lighter, it turns off automatically when the car engine is turned off and stops supplying power to the cigarette lighter port.
- The running dash cam turns off automatically when its memory card is removed.
- The dash cam turns off automatically when the ambient environment exceeds its operating temperature.

# About the Recording Mode

## Normal video (continuous recording)

After the dash cam is powered on, it starts to record a normal video with the front camera once it detects a usable memory card.

- Normal video files are divided and stored at intervals specified by **Video clip duration** (default: 1 minute) on the **Video settings** screen (page 27).
- During normal video recording, the ● icon next to **REC** on the main screen is blinking red.
- When the rear camera is connected to the dash cam, the dash cam records images taken by both the front and rear cameras.
- A dash cam is a road safety recording tool. It is expected to record as much driving video as possible to protect the car owner. Therefore, the dash cam does not allow users to pause recording manually.

## Emergency video

After emergency video recording is triggered, the dash cam keeps recording for 20s, and then merges the 20-second video clip with a 10-second clip right before the recording is triggered to produce a 30-second emergency video. An emergency video can be recorded in any of the following ways:

### 1. Manual recording

When the main screen is displaying real-time images, press the power button twice consecutively to trigger recording.

### 2. Voice recording

Speak the voice command "Record video" to the running dash cam.

### 3. Collision recording

If a collision is detected during normal video recording, the dash cam starts to record an emergency video automatically.

- In the app, tap **Emergency video** on the **Smart travel** screen (page 32) to turn on/off **Emergency video recording** (collision-triggered recording).

Note:

- The length of an emergency video cannot be set manually.
- Emergency video recording cannot be manually interrupted. When recording complete, the dash cam automatically starts

to record a normal video. The dash cam cannot record an emergency video when it is connected to the app.

- If the dash cam is equipped with an extended camera, the front camera and extended camera record an emergency video simultaneously when emergency video recording is triggered.

## Parking surveillance (collision detection)

When the dash cam detects a hit to the parked car (with the engine off), it turns on automatically and starts to record a 30-second parking surveillance video.

- To use the parking surveillance function, you need to mount the 70mai Hardwire Kit, which is sold separately.
- Press the up or down button to choose **Sentinel Mode** > **Collision detection** (page 31), and enable or disable parking surveillance.
- In the app, tap **Collision detection** on the **Settings** screen (page 31), and enable or disable parking surveillance.
- When the rear camera is connected to the dash cam, the dash cam records images taken by both the front and rear cameras.
- If collision detection is enabled (page 31), the dash cam broadcasts a voice prompt "Entering the Parking Surveillance Mode" when the car engine is turned off. If time-lapse photography is turned on, the time-lapse photography message prevails.
- The dash cam may detect collisions when the car door is opened/closed or when someone enters the car. You can set a response policy in **Collision detection** (page 31) to avoid such detection.
- If a parking surveillance video has been recorded, you will receive a message when powering on the dash cam again.

## Parking surveillance (motion detection)

When the dash cam detects suspicious motions in front of the parked car (with the engine off), it turns on automatically and starts to record a 30-second parking surveillance video.

- To use the parking surveillance function, you need to mount the 70mai Hardwire Kit, which is sold separately.
- Press the up or down button to choose **Sentinel Mode** > **Motion Detection** (page 32), and enable or disable parking surveillance.

- In the app, tap **Motion Detection** on the **Settings** screen (page 32), and enable or disable parking surveillance.
- When the rear camera is connected to the dash cam, the dash cam records images taken by both the front and rear cameras.
- If motion detection is enabled (page 32), the dash cam broadcasts a voice prompt "Entering the Parking Surveillance Mode" when the car engine is turned off. If time-lapse photography is turned on, the time-lapse photography message prevails.
- The dash cam may detect collisions when the car door is opened/closed or when someone enters the car. You can set a response policy in **Motion Detection** (page 32) to avoid such detection.
- If a parking surveillance video has been recorded, you will receive a voice prompt when powering on the dash cam again.

## Parking surveillance (time-lapse photography)

To allow for long-time recording in the parked car (with the engine off), the dash cam records images at a sampling rate of 1 fps (when the frame rate is set to 30 fps) or 1 frame/500 ms (when the frame rate is set to 60 fps). The recorded images are then synthesized into a 15 fps or 30 fps time-lapse video. In time-lapse photography mode, the dash cam records the scene continuously and plays back the video at 15x speed. If an accident occurs, the video before and after the accident can be recorded by the dash cam as evidence.


- To use the parking surveillance function, you need to mount the 70mai Hardwire Kit, which is sold separately.
- Press the up or down button to choose **Sentinel Mode** > **Time-lapse photography** (page 32), and enable or disable parking surveillance.
- In the app, tap **Time-lapse photography** on the **Settings** screen (page 32), and enable or disable parking surveillance.
- When the rear camera is connected to the dash cam, the dash cam records images taken by both the front and rear cameras.

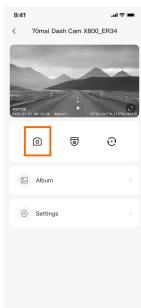
- If collision detection is enabled, the dash cam will start to record a parking surveillance video when detecting collisions or suspicious motions during time-lapse photography.
- When time-lapse photography is enabled (page 32), the dash cam broadcasts a voice prompt "Entering Time-lapse Mode" if the car engine is off. If collision/motion detection is enabled, the time-lapse photography message prevails.
- The frame rate in time-lapse photography mode varies depending on the setting of **Recording resolution and frame rate** on the **Video settings** screen (page 28).

## Vlog

Speak the voice command "Shoot vlog" to the running dash cam. The rotating lens then rotates 360° horizontally to take a panoramic video, which has the same resolution as a normal video.

## Photos

When the dash cam is connected to the 70mai app, you can take photos by tapping  in the app or speaking the voice command "Take photo" to the running dash cam.



- You need to install the 70mai app on your smartphone and connect it. For details, refer to "70mai App" (page 38).
- After an extended camera is connected to the dash cam, its native camera and the extended camera take photos simultaneously.

- Up to 100 still images (photos) can be recorded. To prevent the loss of important photos, back up your files frequently.  
\*Separate storage space is allocated to each type of video. When the storage space runs out, the earliest file will be overwritten and recording will continue.  
\*Normal video, time-lapse photography, and photos share a common partition. Separate partitions are allocated to the emergency video and parking surveillance recordings.

## About the Advanced Driver Assistance System (ADAS)

---

The ADAS is designed to assist the driver with safe driving. This function enables the dash cam to obtain information about surroundings and alert you to the dangers detected.

- To use the ADAS, turn on **ADAS** (page 25).
- The ADAS cannot assist with your driving behavior if you do not observe the road ahead or the visibility is low. When driving your car, pay attention to the surroundings and driving environment, and always drive safely.
- If **Speaker volume** (page 34) is turned off, the dash cam does not generate audio alarms.

Front vehicle start alert:

If you are waiting at traffic lights and your car remains still after the traffic lights turn green and the vehicle ahead starts to move, you will receive a voice prompt.

- You can go to **ADAS warning screen** (page 26) to enable or disable this function.
- The distance from the vehicle ahead or surrounding conditions may not allow this function to work. Keep it in mind.

Lane departure alert:

If your car is deviating from the expected lane, you will receive a voice prompt.

- You can go to **ADAS warning screen** (page 26) to enable or disable this function.
- This alert will not be triggered if your car drives at a speed below 55 km/h.
- Since the dash cam is not connected to the blinkers, it will also raise an alert when you change lanes.

Pedestrian collision warning:

If pedestrians are identified on the lane where your car is driving, you will receive a voice prompt.

- You can go to **ADAS warning screen** (page 26) to enable or disable this function.

Rider collision warning:

If two-wheeler riders or two-wheelers are identified on the lane where your car is driving, you will receive a voice prompt.

- You can go to **ADAS warning screen** (page 26) to enable or disable this function.

Forward collision alert:

If the dash cam detects that your car is too close to the vehicle ahead or facing the risk of collision with an obstacle, you will receive a voice prompt.

- You can go to **ADAS warning screen** (page 26) to enable or disable this function.
- This alert will not be triggered if your car drives at a speed below 55 km/h.

## ADAS settings

You can enable the ADAS function in either of the following ways:

### 1. Operation on the dash cam

- Press the up or down button to display the shortcut panel.
- Select ADAS and press the power button to enable this function.

### 2. Operation in the app

- Go to **Settings > ADAS** to enable/disable this function.

You can check or change the ADAS settings in the app.

Configuration Item	Content (Default Setting)	Description
ADAS	Enabled	The ADAS function is available. After this function is enabled, you can see the ADAS calibration screen. Follow the instructions on the screen to calibrate the ADAS. For details, refer to "About ADAS Calibration" (page 26).
	Disabled (default)	

ADAS warning screen	Enabled	You can select the type of warning that you want to receive from the ADAS, including: <ul style="list-style-type: none"> <li>• Front vehicle start alert</li> <li>• Lane departure alert</li> <li>• Forward collision alert</li> <li>• Pedestrian collision warning</li> <li>• Rider collision warning</li> </ul>
	Disabled (default)	
ADAS display	Enabled	After this function is enabled, vehicles and lanes in the identifiable scope are marked.
	Disabled (default)	
ADAS calibration	–	If the dash cam displays an ADAS calibration failure message, use this function to calibrate the ADAS again and reposition the lens.

## ADAS calibration

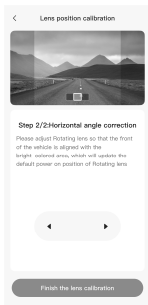
### 1. Pitch angle calibration

Adjust the tilt angle of the dash cam to align the front edge of your car's hood with the reference line on the screen.



### 2. Horizontal angle calibration

Reposition the rotating lens as prompted to align the front of your car with the bright-colored area. Note that this operation will update the default start position of the rotating lens.



## Start of ADAS calibration

The calibration process takes about 5-8 minutes.

In this period, maintain a driving speed of 40 km/h or higher and avoid changing lanes.

- If **ADAS** is turned on (page 25), ADAS calibration will start automatically when the driving speed exceeds 40 km/h.

※Why does ADAS calibration fail?

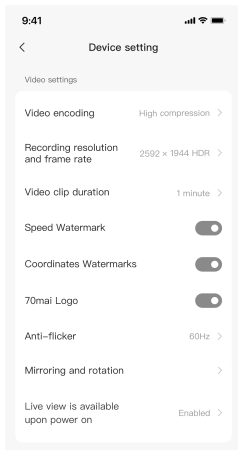
A failure of ADAS calibration may be caused by any of the following reasons:

- (1) The camera has deviated too much from the front of your car (tilting to the left/right side or top/bottom).
- (2) The driving speed is below 40 km/h most of time during the calibration.
- (3) The lane markings cannot be recognized accurately due to the dimness at night.
- (4) Lanes on the road are too blurred to recognize.

- If ADAS calibration fails frequently, tap **Lens position calibration** on the **ADAS calibration** screen (page 26) to calibrate the ADAS again and reposition the lens.

## Video Settings

During normal video recording, you can tap **Settings** and then **Video settings** in the app to access the **Video settings** screen. The configuration items on this screen are described in the following table.

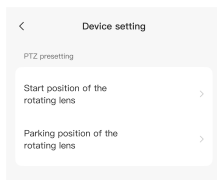


Configuration Item	Content (Default Setting)	Description
Video encoding	High compression (default)	Set the video compression format.
	Low compression	
Recording resolution and frame rate	<ul style="list-style-type: none"> <li>3840 x 2160 HDR (default)</li> <li>3840 x 2160 (60 fps)</li> </ul>	Set the video resolution and frame rate for recording.
Video clip duration	1 minute (default)	<ul style="list-style-type: none"> <li>Set the recording duration of a file for normal video recording.</li> </ul>
	2 minutes	
	3 minutes	
70mai Logo	Enabled (default)	Determine whether to display the 70mai logo on the screen.
	Disabled	
Speed Watermark	Enabled (default)	Determine whether to display the driving speed on the screen.
	Disabled	
Coordinates Watermarks	Enabled (default)	Determine whether to display the latitude and longitude on the screen.
	Disabled	

Anti-flicker	60 Hz (default)	Change the setting when the screen flickers.
	55 Hz	
	50 Hz	
Mirroring and rotation - Horizontal mirroring	Enabled	Determine whether to mirror the images captured by the rear camera. *This function requires a 70mai rear camera (RC14).
	Disabled (default)	
Mirroring and rotation - 180° rotation	Enabled	Determine whether to rotate the rear camera 180°. *This function requires a 70mai rear camera (RC14).
	Disabled (default)	
Live view is available upon power on	Enabled (default)	Determine whether to provide live footage remotely when the dash cam is running. *This function requires a 4G Hardwire Kit.
	Disabled	

## Rotating Lens Settings

You can set an appropriate working position for the rotating lens to obtain the optimal view. In the app, tap **Settings** and then **PTZ presetting** to access the **PTZ presetting** screen. The configuration items on this screen are described in the following table.

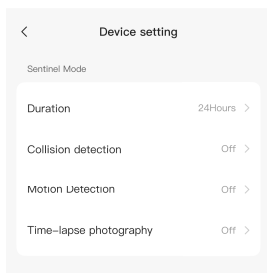


Configuration Item	Content (Default Setting)	Description
Start position of the rotating lens	Use the stick to adjust the position of the rotating lens based on the preview, and save the final position.	When the dash cam is powered on, the rotating lens rotates to the start position automatically.
Parking position of the rotating lens	Use the stick to adjust the position of the rotating lens based on the preview, and save the final position.	When the dash cam enters the sentinel mode, the rotating lens rotates to the parking position automatically.

- Mount the 70mai Hardwire Kit if you want to use the sentinel mode.

## Sentinel Mode Settings

In the app, tap **Settings** and then **Sentinel mode** to check or change the parking surveillance settings. The configuration items on the **Sentinel mode** screen are described in the following table.

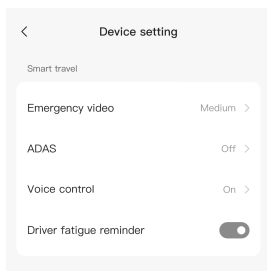


Configuration Item	Content (Default Setting)	Description
Duration	Not limited 24 hours (default) 12 hours 8 hours 4 hours 2 hours	Set the duration of continuous parking surveillance (collision detection, motion detection, and time-lapse photography). When the duration is reached, parking surveillance is disabled automatically to protect the battery of your car.
Collision detection	Enable/Disable: Enabled (default) Disabled	Parking surveillance recording will start if a vehicle collision is detected during parking. *This function requires a 70mai Hardwire Kit.
	Sensitivity: Ultra-high High Medium (default) Low Ultra-low	Set the sensitivity of collision detection during parking surveillance. • This option is available only when collision detection is enabled.
	Response policy: Immediate response Response with a delay of 5 minutes	If a collision is frequently detected when you close the door during parking surveillance, parking surveillance can be delayed by 5 minutes. • This option is available only when collision detection is enabled.

Motion detection	Enable/Disable: Enabled (default) Disabled	If suspicious motions are detected when your car is parked, the dash cam starts to record a parking surveillance video. *This function requires a 70mai Hardwire Kit.
	Sensitivity: Ultra-high High Medium (default) Low	Set the sensitivity of motion detection during parking surveillance. <ul style="list-style-type: none"> <li>This option is available only when motion detection is enabled.</li> </ul>
	Response policy: Immediate response Response with a delay of 5 minutes	If a collision is frequently detected when you close the door during parking surveillance, parking surveillance can be delayed by 5 minutes. <ul style="list-style-type: none"> <li>This option is available only when motion detection is enabled.</li> </ul>
Time-lapse photography	Enable/Disable: Enabled Disabled (default)	You can activate time-lapse recording to support prolonged recording during parking.

## Smart Travel Settings

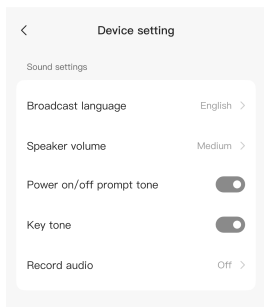
In the app, tap **Settings** and then **Smart travel** to check or change the smart travel settings. The configuration items on the **Smart travel** screen are described in the following table.



Configuration Item	Content (Default Setting)	Description
Emergency video	Emergency video recording: Enabled (default) Disabled	Record an emergency video when a collision is detected during driving.
	Sensitivity: Ultra-high High Medium (default) Low Ultra-low	Set the sensitivity of shock detection during normal video recording. <ul style="list-style-type: none"> <li>This option is available only when the emergency video is enabled.</li> <li>When road conditions are poor, shocks from the road surface may be detected and emergency recording may be triggered frequently. In this case, set the sensitivity to <b>Low</b>.</li> </ul>
ADAS	For details, refer to "About the Advanced Driver Assistance System (ADAS)" (page 24).	
Voice control	Emergency video recording: Enabled (default) Disabled	Determine whether the dash cam responds to voice commands.
	Language: 中文 (Chinese) English (default) 日本語 (Japanese) Italiano (Italian)	Specify the language of voice commands that the dash cam can respond to.
Driver fatigue reminder	Enable/Disable: Enabled (default) Disabled	Enable the system to remind you when you have driven for a long time.

## Sound Settings

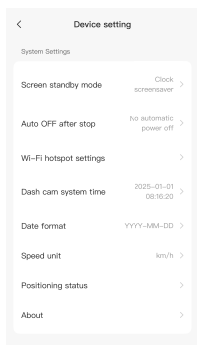
In the app, tap **Settings** and then **Sound** to check or change the sound settings. The configuration items on the **Sound settings** screen are described in the following table.



Configuration Item	Content (Default Setting)	Description
Broadcast language	English (default)	Specify the language that the dash cam uses to broadcast voice messages. *The default language is the one that you have selected following the novice guide.
Speaker volume	High	If you mute the speaker, all voice messages and sound effects, including responses of the voice assistant, are muted.
	Medium (default)	
	Low	
	Disabled	
Power on/off prompt tone	Enabled (default) Disabled	Determine whether to notify you by audio when the dash cam is powered on/off.
Key tone	Enabled (default) Disabled	Determine whether to notify you by audio when a button is pressed.
Record audio	Enabled Disabled (default)	Enable or disable audio recording. <ul style="list-style-type: none"> <li>If the rear camera is not connected, you can press the function button to enable or disable audio recording during normal video recording.</li> </ul>

# System Settings

In the app, tap **Settings** and then **System Settings** to check or change the system settings. The configuration items on the **System Settings** screen are described in the following table.

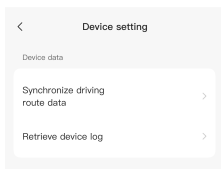


Configuration Item	Content (Default Setting)	Description
Screen standby mode	Steady on	Set the screen status after you press the power button.
	Clock screensaver (default)	
	Screen off	
	Maix animated screensaver	
Auto OFF after stop	5 minutes	Set the duration after which the dash cam turns off automatically if your constantly-powered car (still power on when the engine is off) stops.
	10 minutes	
	20 minutes	
	Not shut down automatically (default)	

Wi-Fi hotspot settings	Auto Wi-Fi hotspot activation upon power on: Enabled Disabled (default)	Determine whether the Wi-Fi hotspot is activated when the dash cam is powered on.
	Change Wi-Fi hotspot password	Change the password of the Wi-Fi hotspot as prompted. ※The password can be changed only in the 70mai app.
	Wi-Fi hotspot band	Set the frequency band of the Wi-Fi hotspot as required.
Dash cam system time	Calibrate dash cam system time	Manually calibrate the system time of the dash cam.
	GPS time dissemination: Enabled Disabled (default)	After the GPS module discovers a satellite, it can automatically calibrate the system time of the dash cam. GPS time dissemination is performed every time the dash cam is powered on. *After GPS time dissemination is enabled, you can select a time zone.
Date format	YYYY-MM-DD (default)	Set the format of date displayed on the LCD or video screen.
	MM-DD-YYYY	
	DD-MM-YYYY	
Speed unit	km/h (default)	Set the unit of driving speed displayed on the video screen.
	mph	
Positioning status	–	Check the status of signals that the GPS module receives from the satellite.
About	–	You can view the device name, dash cam firmware version, 4G module version, channels of the dash cam and 4G module, and other information.

## Device Data Settings

In the app, tap **Settings** and then **Device data** to check or change the device data settings. The configuration items on the **Device data** screen are described in the following table.

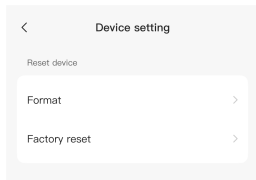


Configuration Item	Content (Default Setting)	Description
Synchronize driving route data	Auto synchronization after direct Wi-Fi connection: Enabled Disabled (default)	Determine whether the dash cam synchronizes data automatically after establishing a direct Wi-Fi connection. <ul style="list-style-type: none"> <li>With this function enabled, the dash cam synchronizes data automatically every time it connects to a Wi-Fi network directly. Other operations can be performed only after data synchronization is completed.</li> </ul>
	Immediate synchronization	After you tap this option, the driving route and road story filter data stored on the dash cam are synchronized to your smartphone immediately.
Retrieve device log	—	After you tap this option, logs stored on the dash cam are synchronized to the app immediately.

- In the 70mai app, you can view the synchronized driving route on the **Driving route** screen. For details, refer to "About the driving route" (page 50).

## Reset Device

In the app, tap **Settings** and then **Reset device** to initialize the memory card or dash cam. The configuration items on the **Reset device** screen are described in the following table.



Configuration Item	Content (Default Setting)	Description
Format	–	<p>Tap this option to initialize the microSD card used for the first time in the dash cam.</p> <ul style="list-style-type: none"> <li>• Once started, the initialization process cannot be stopped.</li> <li>• Before completion of the initialization, do not remove the microSD card or power off the dash cam. Otherwise, the microSD card may be damaged.</li> </ul>
Factory reset	–	<p>Tap this option to restore factory settings of the dash cam.</p> <ul style="list-style-type: none"> <li>• If the dash cam has been connected to the 70mai app before, connect the dash cam to the 70mai app again after restoring the factory settings.</li> </ul>

## 70mai App

Install the 70mai app on your smartphone. By connecting the dash cam to your smartphone through the built-in Wi-Fi, you can view real-time videos, download recorded videos, and configure various settings of the dash cam.

### Installing the 70mai app

Use your smartphone to scan the QR code or search for the "70mai" app in the App Store (iOS) or Google Store (Android) to download and install the 70mai app.



<https://www.70mai.com/download/>

- ※ To connect your smartphone to the Wi-Fi hotspot of the dash cam, you need a smartphone running Android 5.0 or iOS 12.0 or a later version. As mobile phone operating systems continue to be updated, the minimum requirements for Android and iOS systems may also increase.

## Signing up 70mai account

1. Start the 70mai app on your smartphone.



2. Tap **Sign up**, enter your email address, enter the 6-digit confirmation code sent to you via email, and then enter the login password (6 or more alphanumeric characters) as desired.

### Sign up

A screenshot of the 70mai sign-up form. The form is enclosed in a light gray rounded rectangle with an orange border. It contains three input fields: "Email", "Please enter the verification code" (with a "get verification ..." link), and "Please set login password" (with a strength indicator). Below the form are two radio button options: "I have read and agree to 'User Agreement' and 'Privacy Policy'" and "Sign up to receive email newsletters from 70mai.". At the bottom of the form is a "Submit" button.

Not received verification code?

3. Read and agree to the privacy policy, and tap **Submit**.

## Sign up

Email

Please enter the verification code [get verification code](#)

Please set login password [help](#)

I have read and agree to "User Agreement" and "Privacy Policy"

Sign up to receive email newsletters from 70mai.

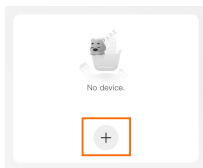
Submit

[Not received verification code?](#)

Now you can log in to the app using your account.

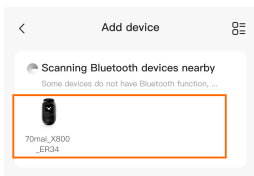
## Adding the dash cam to the 70mai app

1. Turn on the dash cam.
  - Make sure that Bluetooth is enabled on your smartphone.
2. Tap the add sign (+) in the app.



The device starts searching for available devices and then displays "70mai\_X800\_xxxx".

3. Tap **70mai\_X800\_xxxx**.



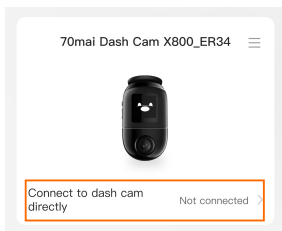
4. Press the power button once on the dash cam within 30 seconds to complete the dash cam authentication.

The dash cam X800 is added to the 70mai app.

- If you do not press the function button within 30 seconds, the connection request will be canceled. In this case, tap **Try again**.

## Connecting the dash cam to the 70mai app

1. Turn on the dash cam.
  - Make sure that Bluetooth is enabled on your smartphone.
2. Start the 70mai app and tap **Connect to the dash cam directly**.



3. Follow the on-screen prompts to connect to the dash cam.
  - If your smartphone runs Android 10.0 or above, a prompt Connect to device displays. Tap **CONNECT** and the connection will automatically established.
  - If your smartphone runs a system lower than Android 10.0, you will be led to the **Connecting to the dash cam Wi-Fi hotspot** page. In this case, follow the on-screen instructions to turn on the dash cam Wi-Fi hotspot and then enter the WLAN page of the smartphone. Tap the hotspot name of the dash cam in the WLAN list and enter the password.
  - The password is 12345678 by default. If you have changed the password through the 70mai app and forget the password, check the password in the Wi-Fi Hotspot settings on the dash cam.

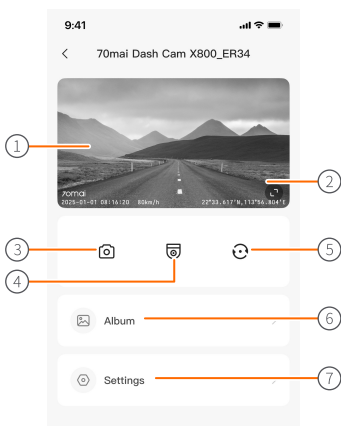
**4.** After the connection, the main screen of the dash cam (real-time continuous recording screen) is displayed.


The main screen of the dash cam (real-time continuous recording screen) is displayed.

- If the dash cam cannot be connected to the 70mai app after the preceding steps, remove the Wi-Fi hotspot of the dash cam from the WLAN list on your smartphone and try connecting again.

If you need more help when connecting the app, please scan the QR code below to view the tutorial video.


### Main screen of dash cam

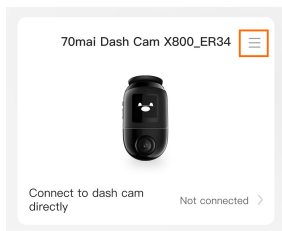


- ① Display the camera image.
- ② Tap here to display the camera image in full screen on the smartphone. To cancel the full-screen display, tap the screen and then tap .
- ③ Tap here to take photos.
- ④ Tap here to adjust the position of pan gimbal.
- ⑤ Camera switching.  
Tap here to switch between the front camera screen and the rear camera screen.
- ⑥ Tap here to access the album of the dash cam.
- ⑦ Tap here to set the dash cam.

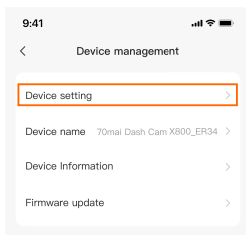
## Device settings

You can configure various settings of the dash cam through the 70mai app.

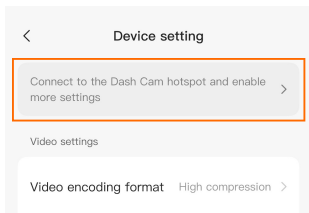
1. Start the 70mai app and tap  in the upper right corner.



2. Tap **Device setting**.

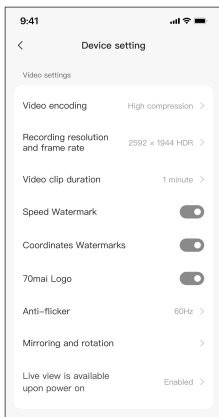


3. Tap **Connect to the Dash Cam hotspot and enable more settings**.




#### 4. Tap and configure settings.

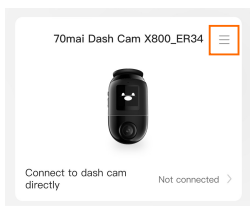
The settings should be consistent with those on the dash cam.



## Updating the dash cam firmware

You can update the dash cam firmware on the 70mai app.

1. Start the 70mai app and tap  in the upper right corner.




- If any firmware update is available, a small red dot will appear next to **Firmware update**. Tap the update icon to open the download page.
2. Follow the instructions on the screen to download the new firmware.

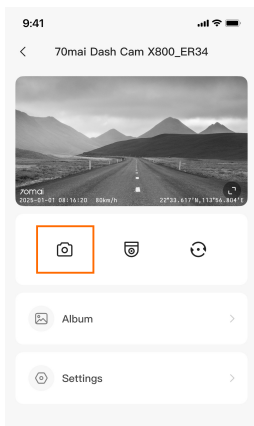
A message is displayed after the download process is completed.

- Make sure your smartphone is connected to the Internet when downloading.

3. Tap **Push to Dash Cam now** and follow the instructions on the screen to perform the update. After the update is completed, your dash cam automatically restarts and uses the latest firmware.


## Taking photos

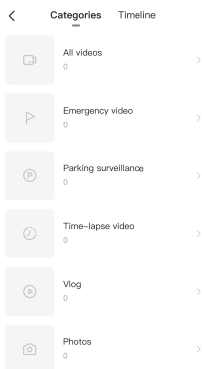
You can take photos by tapping  in the 70mai app or speaking the voice command "Take photo" to the running dash cam.



- Both the front and rear cameras take photos.
- You can play back the photos in the album.







## Playing back videos/photos in the album

1. When you tap  in the 70mai app, the dash cam stops recording the video and displays the album.
2. Tap **Categories** or **Timeline**.



The **Categories** column displays folders by video type. Tap the folder of a specific video type, and then tap the thumbnail of the target video to play back the video.

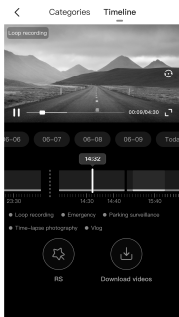
- The **All videos** folder contains normal video files, emergency video files, parking surveillance video files, time-lapse video files, and vlog files recorded by the front and rear cameras.
- Depending on the video type, a type icon is displayed on the thumbnail of each video file.

-  Normal video file (front camera)
-  Emergency video file
-  Parking surveillance video file
-  Time-lapse video file
-  Vlog file
-  Photos

- In the **All videos**, **Emergency video**, **Parking surveillance**, or **Time-lapse video** folder, tap **Main camera** or **Extended camera** to switch between videos shot by the front and rear cameras.

In the **Timeline** column, you can slide on the timeline bar to select a video clip. The system then plays back the video recorded in the specified period on the specified day. Video types are distinguished by the color of the timeline bar.

Details of the **Timeline** column are shown in the following figure.




## Downloading videos/photos

You can download the video/photo file that is being played back to your smartphone.

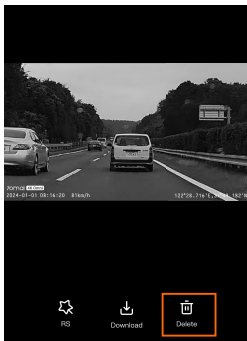
During playback, tap **Download** or **Download video**.



- The downloaded videos and photos can be viewed in the album of your smartphone or local album of the 70mai app. To play back videos or photos in the local album of the 70mai app, start the app, tap the  icon in the upper left corner, tap **Local album**, and select the video or photo that you want to view.
- During playback on the **Timeline** screen, you can tap **Download** and select the duration of the video clip that you want to download.
- Videos recorded by the front and rear cameras cannot be downloaded together. Download them separately.

## Deleting videos/photos

While viewing a video or photo, you can tap **Delete** to remove the current video or photo from the album.



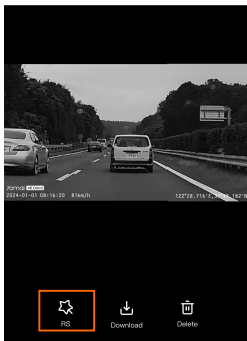
- The video being played back on the **Timeline** screen cannot be deleted.

## About the road story filter

The dash cam stores driving data and road condition data while recording a video. Such data is displayed in the images being played back.

The data is merged with the images by the road story (RS) filter function.

During playback, tap **RS**. Then, data appears on the screen with stunning visual effects.




Example:



- ① Roll angle
- ② Date and time
- ③ A rapid acceleration event is identified and the event time displays on the left.
- ④ Sharp turn
- ⑤ Driving direction
- ⑥ Vehicle identification
- ⑦ Lane recognition
- ⑧ Acceleration indicator
- ⑨ Current speed. If the speed exceeds 120km/h, the circle and value turn red.
- ⑩ Altitude
- ⑪ Pitch angle

## Sharing videos/photos

Downloaded video and photo files will be saved in your phone album and the local album of the 70mai app.  
You can share the downloaded files on social media.


1. Start the 70mai app, and tap  in the upper left corner.
2. Tap **Local Album**.
3. Select a video or photo and tap **Share**.
4. Select the social media where you want to share.


## About the driving route

If you synchronize driving route data to the 70mai app, you can view your driving route in the app.




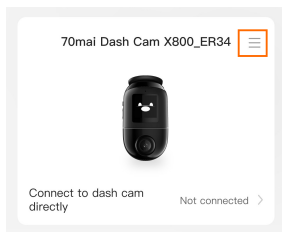
- Driving route data is generated after your car drives over a certain distance.
- To synchronize driving route data, refer to "Device Data Settings" (page 36).

1. Start the 70mai app, and tap  in the upper left corner.
2. Tap **Driving route**.
3. Select the driving route record that you want to view.

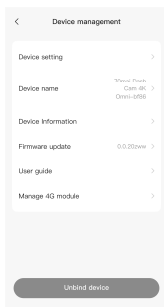
- Tap **Share track** to view your driving route and share it with others.
- If the windshield of your car is coated with an insulating film, the positioning system of the dash cam may be unable to receive high-quality GPS signals. In this case, contact your insulating film supplier for more information.
- Check whether the  icon is displayed on the continuous recording screen. If you cannot see this icon, move your car to an open area, wait for about 3 minutes, and try again.
- Make sure the driving route data has been synchronized to the 70mai app.
- Make sure your smartphone is connected to the Internet. Disconnect your smartphone from the Wi-Fi hotspot of the dash cam and connect it to your WLAN or cellular network.

## Disabling the dash cam added to the 70mai app

1. Start the 70mai app and tap the  icon in the upper right corner.



## 2. Tap **Unbind device**.



## 3. View the message and tap **OK**.

After deleting the device, you will not be able to continue using the device-related functions on the homepage, confirm deletion?

Cancel

OK

The dash cam is then unbound from the 70mai app.

## Updating the 70mai app

If an update is available for the 70mai app, an update message will be displayed when you start the 70mai app. Update the app as prompted.

## Backing Up Videos/Photos to Your Computer

To back up videos/photos to your computer, insert the microSD card into your computer or directly connect the dash cam to the computer with a USB cable.

- You can also use the 70mai app to download videos/photos to your smartphone. For details, refer to "Downloading videos/photos" (page 47).

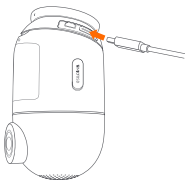
## Backing up to a computer from a microSD card

1. Power off the dash cam.
  2. Press the microSD card and remove it from the dash cam.
  3. Insert the microSD card into an SD card reader and connect to the computer.
  4. Back up the files/folders displayed on the computer to the hard drive.
- The videos/photos will be displayed and categorized on the computer as follows:

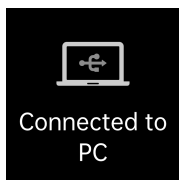
Normal:	Normal video
Event:	Emergency video
Parking:	Parking surveillance video
Lapse:	Time-lapse video
Vlog:	Vlogs
Photo:	Photos

## Connecting the dash cam to a computer and starting backup

1. Power off the dash cam and unplug the power cord and rear camera cable.
2. Slide the dash cam off the safety holder.
  - Be careful to prevent the safety holder from falling off the windshield.
3. Connect one end of the USB cable to the power port of the dash cam and the other end to the computer.



- Use a USB Type-C cable.
- The supplied power cord of the dash cam cannot be used for this connection.
- When the dash cam is connected to the computer, it stops audio recording.



**4.** Back up the files/folders displayed on the computer to the hard drive.



- The videos/photos will be displayed and categorized on the computer as follows:

- Normal: Normal video
- Event: Emergency video
- Parking: Parking surveillance video
- Lapse: Time-lapse video
- Vlog: Vlogs
- Photo: Photos

## Troubleshooting

Problem	Cause/Solution
The dash cam does not turn off even after the car engine is turned off.	<ul style="list-style-type: none"> <li>• For some constantly-powered cars, the cigarette lighter is still on even when the engine is turned off. In this case, tap <b>Auto OFF after stop</b> (page 35) to set the auto shutdown time.</li> <li>• If you change the auto shutdown time, the next time you turn on the power supply, press the power button on the device to turn it on.</li> </ul>
Can the dash cam use a third-party power supply?	To avoid product malfunctions caused by unqualified products, use the accessories such as the car charger and power cord. 70mai is not liable for any loss or damage caused by the use of a non-original car charger or power cord.

<p>The device cannot be turned on.</p>	<p>This device has the self-protection function. If the temperature is too high, the device cannot be turned on. Disconnect the power cord, and wait for the temperature to return to normal before using the device.</p> <ul style="list-style-type: none"> <li>• Ensure that the power cord is correctly connected to the car and dash cam.</li> <li>• Check the car battery.</li> </ul>
<p>The emergency recording (collision detection recording) file is not generated.</p>	<p>When the impact of a collision is weak, the dash cam may not be able to detect the collision. Check the setting of collision detection sensitivity (page 31) and make sure it is set to <b>Ultra-high</b>.</p>
<p>The parking surveillance function does not work.</p>	<ul style="list-style-type: none"> <li>• To use the parking surveillance function, you need to purchase a 70mai Hardwire Kit separately.</li> <li>• Tap <b>Collision detection</b> on the <b>Driving safety settings</b> screen (page 31).</li> <li>• When the impact of a collision is weak, the dash cam may not be able to detect the collision. Check the setting of collision detection sensitivity (page 31) and make sure it is set to <b>Ultra-high</b>.</li> <li>• In the hot summer, the temperature inside the car may be very high. In this case, the dash cam may automatically turn off, and the parking surveillance function cannot take effect.</li> <li>• Based on the condition of the car battery, etc., the battery protection function of the 70mai Hardwire Kit may be enabled, and the power supply of the dash cam may be turned off. If the battery has been used for a long time and ages over time, replace the battery with a new one.</li> </ul>
<p>No image is displayed on the LCD screen.</p>	<p>If the screen saver function is enabled, the screen may become dim. To turn on the screen, press any function button.</p>
<p>The speed and coordinates information are not displayed on the screen when the video file is played back.</p>	<p>The speed/coordinates display function (page 28) may be disabled.</p> <ul style="list-style-type: none"> <li>• If the GPS positioning fails, it is probably because your car is in a tunnel or the windshield is coated with a metal film.</li> </ul>

No rear camera image is displayed.	<p>Check whether the rear camera is properly inserted into the rear camera port of the dash cam.</p> <ul style="list-style-type: none"> <li>• Check whether the  icon is displayed on the main screen of the dash cam.</li> <li>• To view the video shot by the rear camera, tap the  icon on the recording screen of the app to switch to the rear view.</li> <li>• If the problem persists after the preceding operations are performed, contact the after-sales service.</li> </ul>
The rear camera image is blurry.	<ul style="list-style-type: none"> <li>• Check whether the protective film on the rear camera has been removed. If not, remove the protective film and continue to use the rear camera.</li> <li>• If the rear windshield is coated with a dark protective film, the rear camera cannot capture clear images.</li> </ul>

## 70mai App

Problem	Cause/Solution
The dash cam cannot be connected to the 70mai app.	<ul style="list-style-type: none"> <li>• Make sure that the correct device model is selected for connection (Some devices may look similar). Verify if the last four digits of the device number and the hotspot name are consistent.</li> <li>• Confirm the dash cam is working properly, and the Wi-Fi hotspot is enabled.</li> <li>• Make sure that all permissions of the 70mai app in phone's settings are enabled, including location, Bluetooth (Bluetooth-enabled products only), local network.</li> <li>• Check if VPN is enabled on the phone. Please turn it off and try again.</li> <li>• Check whether the CarPlay/Android Auto Wi-Fi is turned on. If yes, turn it off and try to connect again. Go to your phone's settings, find the Wi-Fi for CarPlay/Android Auto, and turn off auto-join.</li> </ul>
The video keeps freezing when it is played on the 70mai app.	<ul style="list-style-type: none"> <li>• The Wi-Fi signal of the dash cam is interfered with. If the video keeps freezing, download it to the local album of the 70mai app and play it again.</li> </ul>

## Specifications

Image sensor	SONY IMX678
Resolution	3840 × 2160
Screen	1.4" TFT LCD screen
Aperture	F1.7(Front)/F1.55(Rear)
FOV	146°(Front)/130°(Rear)
Wi-Fi band	2.4GHz&5GHz
Accelerometer	3-axis accelerometer
Memory card	32GB~512GB(U3)
Built-in battery	NA(built-in super capacitor)
Suggested operating temperature	-10°C to +60°C
Input	DC 5V $\overline{\text{---}}$ 2A
Power port	Type-C
Power supply	Car charger+power cord or parking surveillance cable (purchased separately)
Installation mode	Electrostatic sticker + Heat-resistant adhesive
Indicator	Tri color flowing light strip(blue/red/yellow)
Dimensions	57.46 mm x 60.70 mm x 106.80 mm (D1 x D2x H)

- The product specifications and appearance are subject to change without prior notice.
- Although the LCD screen is made using extremely high-precision technology, note that some pixels may be missing or permanently lit.

## Regulatory compliance information

### WEEE information



All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

### EU declaration of conformity



The manufacturer hereby, declares that this equipment is in compliance with the applicable Directives and European Norms, and amendments. The full text of the EU declaration of conformity is available at the following internet address: <https://help.70mai.asia/1193.html>



Hereby, 70mai Co.,Ltd. declares that the radio equipment types X800 and X800-2 are in compliance with Radio Equipment Regulations 2017. The full text of the UKCA declaration of conformity is available at the following internet address: <https://help.70mai.asia/2145.html>

### FCC

#### 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### 15.105 Information to the user.

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.

RF warning for Mobile device:

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 & your body.

FCC ID: 2AOK9-X800

### **ISED compliance statement**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/ récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
  - (1) L'appareil ne doit pas produire de brouillage;
  - (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### **ISED Radiation Exposure statement**

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

IC: 28033-X800

CAN ICES-003 (B) / NMB-003 (B)

V1.0-20250208



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Service: [help@70mai.com](mailto:help@70mai.com)

For further information, please go to [www.70mai.com](http://www.70mai.com)

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