

70mai Dash Cam 4K A810S HDR Set User Manual



- If an accident occurs, turn off the dash cam and remove the microSD card in a timely manner to prevent the recorded video files from being overwritten.
- Before inserting the microSD card into the dash cam, refer to "Memory Card".
- Do not insert or remove the microSD card while the dash cam is on. Doing so may damage your dash cam or microSD card.
- This manual is applicable to 70mai Dash Cam model: A810S-2.

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70mai® is committed to continuously improving its products and enhancing user experience. The actual appearance of the device and the 70mai app may look different from what is in the manual. If so, scan the QR codes below to get tuned into the latest updates.

After-Sales Service



Scan and email us at:
help@70mai.com



Online Guide



Scan to view the online
guide.



Safety Information

- Read this manual carefully before use. Keep it for future reference.
- This dash cam is an image and videos recording devices;it **DOES NOT** enhance driving safety. Videos recorded are for reference only.
- **DO** follow all applicable local traffic rules and regulations. In particular, **DO NOT** operate this cam while the vehicle is mobile.

Installation/Wiring

- **ONLY** install the cam as instructed. To avoid possible property damage or personal injuries, be careful not to position it as to block the driver's view or be in the way of the air bag.
- To avoid product malfunctions caused by unqualified products,ONLY 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.

Operation Safety

- 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.
- Due to differences in vehicle conditions, driving styles, road conditions, and other factors, some functions of the cam may not work properly. Power failure, use in environments outside the normal operating temperature or humidity range, collision, or damaged memory card may cause the dash cam to function abnormally. There is no guarantee that this dash cam will function normally under all circumstances.

- Note that colored windshield films may affect the imaging quality of the cam.
- 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 vents of this product. Internally generated heat, if not dissipated timely, may lead to fire or malfunction.
- Handle the cam with care; do not drop it or subject it to sudden movement. Keep the dash cam away from any strong magnetic fields.
- Do not use chemical solvents or cleaning agents to clean this product.
- After the product works for a period of time, its shell will become hot. Be careful when handling it.
- This product is not a toy. Its small components

may cause suffocation or other injuries. Thus, keep the product out of the reach of children.

- Use this dash cam at a temperature between -10°C and 60°C .
- **ONLY** use this cam following all local codes and regulations concerning the lawful use of video recording and imaging devices.

Electric Safety

- **ONLY** use adapters that comply with the input power of the cam.
- Do not disassemble, impact, or squeeze the product, or throw it into fire. Doing so may cause an explosion.
- Do not dispose of the cam in household waste.
- Comply with applicable national regulations for safe disposal of used electronics.

Memory Card

This 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.



- Before use, insert the microSD card into the dash cam.
- Some cards may have a different partition format than supported by the cam. For best results, insert the card and format it before using the cam. Note that this will delete all the files stored in the card. Make sure you have a backup.
- Memory cards often deteriorate in performance


after repeated cycles of overwriting, and this will affect the ability to save video and image files. If this occurs, immediately replace it.

- **ONLY** use quality memory cards from known brands. Inferior memory cards may read and write much slower than they are advertised and they often prove to have much less capacity than stated. Any damage to the cam caused by the use of an inferior card is seen on the user's part.
- Do not insert or remove the microSD card while the dash cam is on. Doing so may damage your dash cam or microSD card.

Cam Recording Time

MicroSD Card	Front-View Recording	Dual-Channel Recording
32 GB	About 2 hrs.	About 1.5 hrs.
64 GB	About 4 hrs.	About 3 hrs.
128 GB	About 8 hrs.	About 6 hrs.
256 GB	About 16 hrs.	About 12 hrs.
512 GB	About 33 hrs.	About 25 hrs.

GPS Signal Receiving

- If you are using 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.
- Some windshield and window films, like those containing metal, may interfere with the signal reception of the cam in-built GPS module.

About Radio Wave

Wireless Connectivity: Wi-Fi IEEE 802.11 b/g/n/ax 2.4 GHz, **Bluetooth**® 5.0

Wi-Fi Maximum Output: ≤ 20 dBm

Wi-Fi Operation Frequency: 2400–2483.5MHz

Bluetooth Maximum Output: ≤ 10 dBm

Bluetooth Operation Frequency: 2400–2483.5 MHz

GPS/GLONASS/Galileo/QZSS Operation Frequency: 1559–1610MHz

Battery Safety

- This device contains a coin battery. **DO NOT** disassemble, smash the product or subject it to excessive heat, as this could result in explosion.
- The battery is non-removable. **DO NOT** attempt to replace or repair it. If replacement is required, **ONLY** have it replaced by a professional with the same model.
- When the battery is removed, keep it out of the reach of children. The battery, if ingested, can cause death or serious injuries. If swallowed, it can cause internal chemical burns in as little as 2 hours. Seek immediate medical attention if the battery is suspected to be swallowed or inserted inside any part of the body.
- Do not use the product in extreme weathers. Temperatures that are too low or too high may cause the battery to explode or give off flammable gas or liquid.

- Dispose of the cam following all local and national regulations on electronic waste disposal.
- This device is not a toy. Some of its small components may pose risk of suffocation to children. Keep it out of the reach of children.

Packing List

Unpack the box and check if you have all the items listed below. Keep the packaging material in case of return or after-sale service.

- Dash Cam × 1
- Car Charger × 1
- Rear Camera Cable × 1
- Wiring Trim Tool × 1
- Mount × 1
- Memory Card × 1
- Electrostatic Sticker × 2
- Power Cord × 1
- Heat-Resistant Adhesive × 1
- Rear Camera × 1
- User Manual × 1



Dash Cam



Car Charger



Electrostatic Sticker



Power Cord



Rear Camera Cable



Wiring Trim Tool



Adhesive Sticker



Rear Camera



Mount



Memory Card



User Manual

Optional Accessories

To use the parking security function, purchase a 70mai Hardwire Kit (Midrive UP03, Midrive UP05, or Midrive UP06). For the operation guide of the kit, scan the QR code or visit :
<https://help.70mai.asia/1472.html>.



For more instructions on the rear camera, go to the same site by scanning the QR code and scroll to find model Midrive RC24.

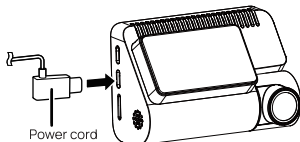
Initial Check and Setup

Do perform the initial check and setup before installing the cam (language settings, date and time settings, etc.).

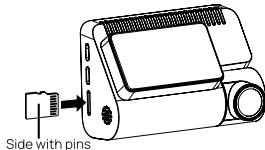
1. Park the car in a safe and flat area, apply the

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 displays the initial settings (language settings) screen.

5. Follow the instructions on the screen to complete the initial setup.

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

Press the function button under each function icon to complete the setup. For detailed information about function buttons, refer to "Function Buttons".

Refer to the table below for the items and their descriptions:

Items	Descriptions
System language	Sets the language displayed on the screen.

Items	Descriptions
Startup screen	Displays the 70mai logo as startup screen.
System time	Sets the date and time.
Parking Security	Enables or disables the parking Security function. Available with a 70mai Hardwire Kit (optional)
70mai app download	Scan the QR code using your smartphone and download the 70mai app.

You can also perform initial setup later.

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

Notes:

- If the icon ●REC is displayed in the upper left corner of the screen and the (red dot icon) is flashing, the cam is up and running.
- Turn off the engine, apply parking brake, disconnect

the power cord from the dash cam and cigarette lighter socket.

Refer to **Device Installation** to install the dash cam.

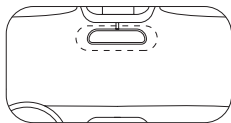
Device Installation

Again, **ONLY** install after you have performed the "**Initial Check and Setup**".

Installing the Dash Cam

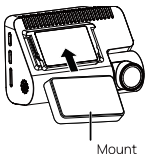
1. Clean the installation surface of the front windshield, and attach the supplied electrostatic sticker to the installation position of the dash cam.
2. Install the supplied mount on the dash cam.

Recommended installation area



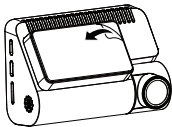
Cautions:

- Remove dirt and grease from the installation position to avoid poor adhesion.
- Attach the electrostatic sticker to the recommended installation area on the front windshield. Carefully press the sticker to remove bubbles.
- Install at a position that does not obstruct the driver's view and avoid the edge of the windshield.



Align the mount with the installation slot and slide it upwards to fix it onto the dash cam.

3. Peel off the release liner from the double-sided tape on the mount, and then stick the dash cam onto the electrostatic sticker on the front windshield.



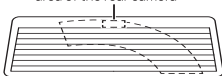
4. Press the dash cam against the attached electrostatic sticker to secure the dash cam.

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

Installing the Rear Camera

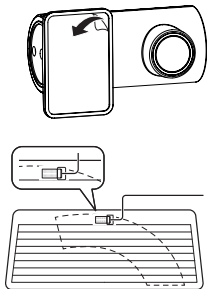
1. Clean the installation surface of the rear windshield, and attach the supplied electrostatic sticker of the rear camera to the installation position of the rear camera.

Recommended installation area of the rear camera



2. Remove the release liner of the double-sided tape on the rear camera, and stick the rear camera onto the electrostatic sticker on the rear windshield.

Caution: To avoid flipping the imaging, install the cam the way shown below.

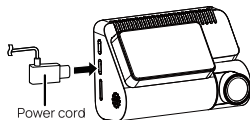


Press the rear camera against the rear windshield to secure the rear camera.

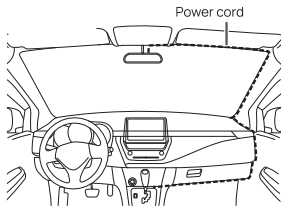
Note: The adhesion takes some time to stabilize.
Keep it still for a while.

Connecting the Front Camera

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 trim tool to hide the power cord underneath the car roof lining and A pillar rubber sealing strip.

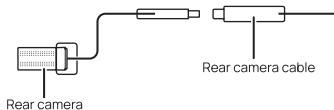


3. Route the power cord to the cigarette lighter socket, and insert the car charger into the cigarette lighter socket.

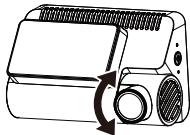
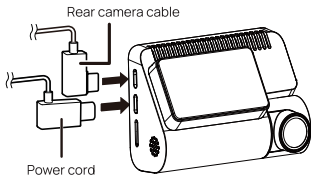
Note: The position of the cigarette lighter socket varies based on the car.

Connecting the Rear Camera

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




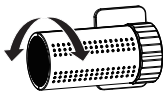
2. Use the supplied wiring trim tool to hide the rear camera signal cable under the rubber sealing strip on the top of the rear windshield, C pillar (or D pillar), and top of a side window, and connect the signal cable to the dash cam.
3. Connect the supplied rear camera signal cable to the rear camera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



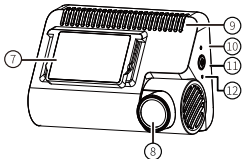
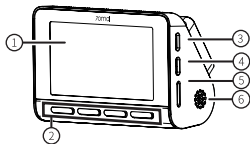
Adjusting the Camera Angle

1. Turn on the engine of the car.
The dash cam automatically turns on and starts continuous recording.
2. Adjust the front camera angle while checking the camera view on the dash cam.

3. Press the function button under the  icon on the dash cam to switch to the view of the rear camera.
4. Adjust the camera angle while checking the view of the rear camera on the dash cam.



Product Overview



① Screen

② Function button*

*Each function button enters the function

menu or enables the function that the icon over the button stands for.

③ Rear camera port

Connects to the rear camera port.

④ Power port

Connects 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.

⑤ Memory card slot

Accommodates a microSD card

⑥ Speaker

Outputs the operation sound, warning sound, video and audio, etc.

⑦ Installation slot

Use the slot and the mount to mount the cam.

⑧ Camera

⑨ Vents

Dissipate internally generated heat. Do not block them.

- ⑩ Indicator
- ⑪ Power button
 - Short press: Power-on
 - Long press for 3 seconds: Power off
 - Long press for at least 15s: Forced shutdown
 - Short press with screen lit: Screen off
 - Short press with screen off but power on: Screen on
- ⑫ Microphone

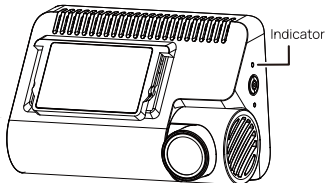
Note: Demonstrations are for reference only.

Function Buttons

Each function button enters the function menu or enables the function that the icon over the button stands for. Use as needed.



Indicator



Indicator Status	Dash Cam Status
Steady green	Recording a common video.
Flashing green	<ul style="list-style-type: none">Recording an emergency videoRecording a parking surveillance video.

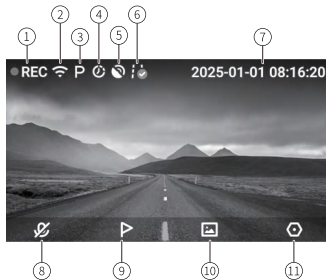
Steady red	<ul style="list-style-type: none">Encountering a recording failure. For example, the device detects that the memory card has been removed or deteriorated, or the inserted memory card does not meet the capacity or read/write speed requirements.Encountering a system malfunction that is causing the recording to stop.
Flashing blue	<ul style="list-style-type: none">Formatting the memory cardRestoring the factory settingsReceiving OTA upgrade package from the AppDetecting an SD card

Steady blue	<ul style="list-style-type: none"> • Providing guidance for the beginner • Accessing the cam album from the App • Awaiting authorization to connect 70mai App. • Connected to a computer and functioning as a flash drive. • Executing OTA update.
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Main Screen



Insert the microSD card and turn on the dash cam to start recording.



The main screen displays the front view in real-time and some of the icons shown below.








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 Wi-Fi hotspot
Indicates that the Wi-Fi hotspot is enabled.  is displayed if the Wi-Fi hotspot is disabled.
- ③ Parking security (Available only when a parking surveillance cable is installed)
Indicates that parking surveillance is on.
- ④ Time-lapse recording ((Available only when a parking surveillance cable is installed)
Indicates that the time-lapse recording function is enabled.
- ⑤ GPS
Indicates that location information has been obtained.
- ⑥ ADAS
 indicates that the Advanced Driver

Assistance System (ADAS) has been successfully calibrated. During the calibration process,  will be displayed to tell you that the calibration is in progress. If calibration fails,  will show up instead.

- ⑦ Date and time
Displays the current date and time.
- ⑧ Audio recording
Press the function button under this icon to enable or disable audio recording. If no rear camera is connected, the icon will change to  or . If a rear camera is connected, this icon is displayed as .
- ⑨ Emergency video
Press the function button under  to record an emergency video.
- ⑩ Album
Press the function button under  to

access the album.

⑪ Settings

Press the function button under  to access the Settings screen. You can change various settings of the dash cam.

Specifications

Resolution	3840 × 2160
Screen	3.0" TFT LCD screen
Aperture	F1.7
FOV	146°
Wireless Connectivity	Wi-Fi IEEE 802.11 b/g/n/ax 2.4 GHz, Bluetooth® 5.0
Wi-Fi Max. Output	≤ 20 dBm
Wi-Fi operation frequency	2400–2483.5MHz
Bluetooth Max. Output	≤ 10 dBm
Bluetooth Operation Frequency	2400–2483.5 MHz

GPS/GLONASS/Galileo/QZSS Operation Frequency	1559–1610MHz
Memory Card	32 GB to 512 GB (U3 or above)
Battery	Built-in supercapacitor & coin battery
Suggested Operating Temperature	-10°C to 60°C
	14°F to 140°F
Input power	5 V \pm 2 A
Power port	Type-C
Power supply	Car charger + power cord, or 70mai Hardwire Kit (sold separately)
Mounting type	Electrostatic sticker + Heat-resistant adhesive
Indicator	3-color (Red, Green, Blue)

Notes:

- Specifications and appearance of the product 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.

70mai App Installation

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 11.0 or a later version.

Adding Dash Cam to 70mai App

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



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



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

4. Turn on the dash cam.

Note: Make sure that Wi-Fi is enabled on your smartphone and the Wi-Fi hotspot is enabled on the cam.

5. Tap the add sign (+) in the app.



6. In the interface that opens up, tap **Dash Cam with screen**.
7. Follow the on-screen instructions to connect the cam Wi-Fi hotspot.
8. When connected, return to the App and press the function button (rightmost) under the ✓ icon on the dash cam screen within 30 seconds to complete the dash cam authentication.
The dash cam A810S-2 is added to the 70mai app.
Note: 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 70mai App

1. Turn on the dash cam.

Notes:

- Make sure that Bluetooth and Wi-Fi are enabled on your smartphone.
- Enable the hotspot in the Wi-Fi Hotspot Settings of the dash cam in advance.

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.

Notes:

- If your smartphone runs Android 10.0 or above, a prompt Connect to device displays. Tap **CONNECT** and the connection will automatically establish.
- 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.

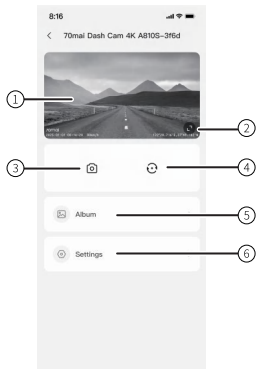
- If you are prompted to enter a password, enter the cam Wi-Fi hotspot password (12345678 by default). If you have changed the password through the 70mai app and forgot the password, see the password in the **Wi-Fi Hotspot settings** on the dash cam settings.

4. After the connection, return to the 70mai app. The main screen of the dash cam (real-time continuous recording screen) is displayed.


Note:

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.

App Main Interface



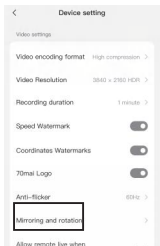
① Displays the camera view.

- ② Tap here to display the camera view in full screen on the smartphone. To exit the full-screen display, tap the screen and then tap .
- ③ Tap here to take photos.
- ④ Tap here to switch between the front camera view and the rear camera view.
- ⑤ Tap here to access the album of the dash cam.
- ⑥ Tap here to access cam settings.

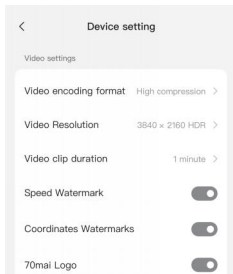
Device Settings

Configure the settings as need using the steps below. For more instructions on more settings, see page 41.

1. Start the 70mai app and tap **Settings** in the lower left corner.




2. In the interface that opens up, tap and configure settings.



Note: The settings should be consistently configured with those on the dash cam.

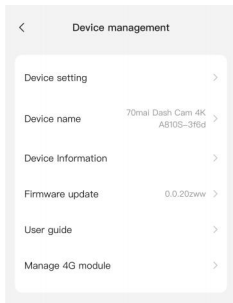
Updating the Dash Cam Firmware

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

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



Note: A small red dot next to **Firmware update** tells you that a firmware update is available. Tap the update icon to open the download page.



2. Follow the instructions on the screen to download the new firmware.

A message will pop up after the download process is completed.

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

3. Tap **Push now** and follow the instructions on the screen to perform the update.

After the update is completed, your dash cam will automatically restart and run on the latest firmware.

App Troubleshooting

Problems	Causes/Solutions
The dash cam cannot be connected to the 70mai app.	Wi-Fi or Bluetooth may be disabled on your smartphone.
The video keeps freezing when viewed on the 70mai app.	The Wi-Fi signal of the dash cam is under interference. If the video freezing continues, download to the local album of the 70mai app and view again.

Operation

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 Security video.

When the recording ends, the dash cam turns off.

Notes:

- 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. To light up the screen, press the power button again.


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

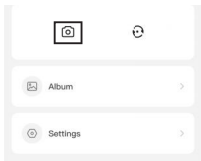
- If the dash cam is not needed, hold down the power button until the screen turns off or unplug the power cord from the socket of cigarette lighter to power off the dash cam.
- With the 70mai Hardwire Kit connected, the dash cam turns off automatically when it detects an ACC OFF signal.
- The cigarette 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.

Taking Photos

You can take photos by tapping  in the 70mai app or say the voice command "Take photo". For more voice commands, see **Voice Control**. (page 36)



Notes:

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


Caution:

- The cam won't respond to the voice command when it is connected to 70mai App, when its recording is malfunctioning, and when recording is not running.

Recording Emergency Videos

When recording an emergency videos is needed, this can happen automatically or manually.

To manually record an emergency video,

1. With the cam up and running, press the function button under  and the cam immediately starts recording.


Note: Alternatively, you can activate emergency recording by simply saying "Record video".

Caution:




- The cam won't respond to the voice command when it is connected to 70mai App, when its recording is malfunctioning, and when recording is not running.

2. The clip will cover the moment from the pressing to 30 seconds later and will be saved under **Emergency video file** (See **Viewing Videos/Photos in the Album**)

To use the automatic emergency video recording,

1. Press the function button under .
2. Use the function buttons in the middle to

locate **Smart travel**.


3. Press the function button under  to enter **Smart travel**.
4. Press the function button under  to enter **Emergency video**.
5. With **Emergency video** selected, press the function button under  to toggle on the emergency video function.

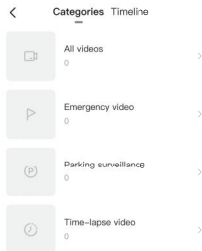
Now the cam can automatically record emergency videos.

Cautions:

- The cam **DOES NOT** record emergency videos if the beginner's tutorial is never finished; if you are viewing the cam's albums from 70mai App.
- For more instructions on emergency videos recording, see **Parking Surveillance**(page 43)

Viewing Videos/Photos in the App Album

1. In the app, tap , the dash cam stops recording 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 photos recorded by the front and rear cameras.
- Depending on the video type, a type icon is displayed on the thumbnail of each video file.



All videos



Emergency video files



Parking surveillance video files



Time-lapse video files



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

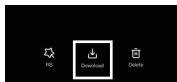
local album of the 70mai app, start the app, tap the icon in the upper left corner, tap **Local album**, and select the video or photo that you want to view.

During playback on the **Timeline** screen, you can tap **Download** and select the duration of the video clip that you want to download.

Note: 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.



Note: Videos being played back on the **Timeline** screen cannot be deleted.

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 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.

Viewing 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 you drive over a certain distance.
 - To synchronize driving route data, refer to **Device Data Settings** (page 50)
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.

Notes:

- 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  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.

Unbinding the Dash Cam

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**.

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

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

Cancel

OK

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, see **Downloading videos/photos** (page 31).

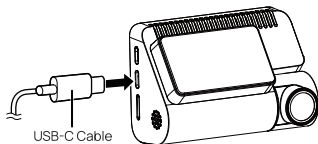
Backing up to a Computer from a MicroSD Card

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 videos
Event:	Emergency video
Parking:	Parking surveillance video
Lapse:	Time-lapse video
Photo:	Photos

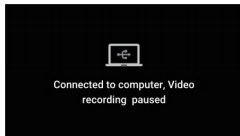
Backing up the Dash Cam to a Computer

1. Power off the dash cam and unplug the power cord and rear camera cable.
2. Slide the dash cam off of its mount.
Note: Be careful to not to remove the mount.
3. Connect one end of the USB cable to the power port of the dash cam and the other end to the computer.



Cautions:

- 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.



5. The videos/photos will be displayed and categorized on the computer as follows:
Normal: Normal videos
Event: Emergency video

Parking:	Parking surveillance video
Lapse:	Time-lapse video
Photo:	Photos

Voice Control

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

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

Voice commands	Cam responses
Take photo	Take a photo.
Record video	Record an emergency video.
Record audio	Record audio as well as videos.
Turn off audio	Turn off audio recording.

Enable hotspot	Turn on Wi-Fi hotspot.
Disable hotspot	Turn off Wi-Fi hotspot.

Notes:

- Voice control is not available during beginner's tutorial, while memory card is being formatted, and while the cam is running in parking surveillance mode.
- When the dash cam is connected with the 70mai app, voice control is not supported.
- For instructions on enabling and disabling voice control, see **Smart travel**(page 44).

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.

Cautions:

- To enable ADAS, see **Smart travel** (page 44).
- 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 47) 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 alert.

Notes:

- You can go to ADAS Warning item (page 45) 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 lane, you will receive a voice alert.

Notes:

- You can go to ADAS **Warning item** (page 45) to enable or disable this function.
- This alert will not be triggered if you are driving slower than 55 km/h.
- Since the dash cam is not connected to the blinkers, the alert sounds when you change lanes.

Man collision alert

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

Note: To enable or disable this function, see ADAS **Warning item** (page 45) .

Rider collision alert

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

Note: To enable or disable this function, see ADAS **Warning item** (page 45).

Front 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 alert.

Notes:

- To enable or disable this function, see ADAS **Warning item** (page 45).
- This alert won't sound if your car is running slower than 55 km/h.

ADAS Calibration

1. Follow your normal procedures to start your car. The cam should power on.
2. Use the function buttons to select **Calibration**(**cam main interface > Smart travel > ADAS > Calibration**).

3. As the below interface appears, adjust the angle of the cam's lens to make sure the hood of your car is at the center of the highlighted area of the camera view and the horizon is within the highlighted area.



1. Engage drive gear and maintain a speed over 25 mph (40 km/h).

Notes:

- 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.
- The cam will start ADAS calibration if ADAS is enabled and the speed exceeds 40 km/h. To disabled ADAS, see page 45.

※ Why does ADAS calibration fail?

Possible reasons are:

- The camera is positioned too much tilted to the left/right side or top/bottom.
- The driving speed was below 40 km/h most of time during the calibration.
- The lane lines could not be recognized accurately due to poor light conditions.
- Lanes lines on the road were too blurry to recognize.

If the calibration has failed multiple times, adjust the cam's position on the windshield, adjust the lens position, and follow the steps above to try again.

Road Story Filter(RS Filter)

The dash cam records driving data and road condition data as well. Such data will be displayed together with the video during playback. The road story (RS) filter can merge the data and display video clips with stunning visual effects.

To use the RS filter, tap **RS** during playback.



Refer to the figure below for the descriptions of the data displayed with the RS filter.







- ① Date and time
- ② Time when an acute acceleration started.
- ③ Driving direction
- ④ Acceleration indicator
- ⑤ Current speed. If the speed exceeds 120km/h, the circle and value turn red.
- ⑥ Altitude

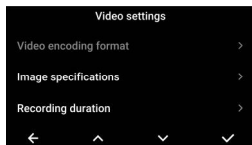
Settings

Note: Interfaces and options may change without prior notice due to constant updates. For specific guidance, refer to the online guidance.

Video Setting

1. From the cam main interface, press the function button under .

2. Use the function buttons in the middle to locate **Video settings**.
3. Press the function button under  to enter **Video settings**.
4. Use the function button under  to enter the submenu whose value you want to change.
5. Use the function button under  and the function buttons in the middle to change.
6. Refer to the table below for the descriptions of the settings and the options.



Settings	Options	Descriptions
Video encoding format	High compression (default) (Storage efficient and supports most mobile phones)	Sets the video compression format.
	Low compression (Higher compatibility with older phone models)	
Image specs.	<ul style="list-style-type: none"> • 3840 × 2160 HDR(default) • 3840 × 2160 30FPS • 1920 × 1080 HDR • 1920 × 1080 60FPS 	Sets the video resolution and frame rate for recording.





Recording duration	<ul style="list-style-type: none"> • 1 minute • 2 minutes • 3 minutes 	Sets the recording duration of a file for normal video recording.
70mai logo	<ul style="list-style-type: none"> • Enabled (default) • Disabled 	Determines wheter to display the 70mai logo.
Speed info	<ul style="list-style-type: none"> • Enabled (default) • Disabled 	Determines whether to display the driving speed on the screen.

Latitude/ Longitude	<ul style="list-style-type: none"> • Enabled (default) • Disabled 	Determines whether to display the latitude and longitude on the screen.
Anti-flicker	<ul style="list-style-type: none"> • 50Hz • 60Hz (default) • 55Hz 	Determines whether to enable the anti-flicker mode.
Live remote broadcasting always on	<ul style="list-style-type: none"> • Enabled • Disabled (default) 	With 4G module installed, this enables you to see real time video feed from your cellphone.

Extension camera mirroring	<ul style="list-style-type: none"> • Enabled • Disabled (default) 	Available only when an extension camera is installed.
Extension camera rotating	<ul style="list-style-type: none"> • Enabled • Disabled (default) 	Available only when an extension camera is installed.

Parking Surveillance

Note: The parking surveillance feature is **ONLY** available with a 70mai parking surveillance cable installed.




1. From the cam main interface, press the function button under .
2. Use the function buttons in the middle to locate **Parking surveillance**.
3. Press the function button under  to enter **Parking surveillance**.
4. Use the function button under  to enter the submenu whose value you want to change.
5. Use the function button under  and the function buttons in the middle to change.
6. Refer to the table below for the descriptions of the settings and the options.




Settings	Options	Descriptions
Duration	Not limited 24 hours (default) 12 hours 8 hours 4 hours 2 hours	Sets the duration of continuous parking surveillance (collision detection, and time-lapse photography). When the duration is reached, parking surveillance is disabled automatically to protect the battery of your car.

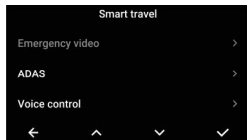
Collision detection	Enable/Disable	Enables or disables collision detection.
Motion detection	Enable/Disable	Enables or disables motion detection.
Time-lapse recording	Enable/Disable	Enables or disables time-lapse recording

Smart Travel

1. From the cam main interface, press the function button under .
2. Use the function buttons in the middle to locate **Smart travel**.
3. Press the function button under  to enter **Smart travel**.
4. Use the function button under  to enter

the submenu whose value you want to change.

5. Use the function button under  and the function buttons in the middle to change.
6. Refer to the table below for the descriptions of the settings and the options.



Settings	Options	Description
Emergency video	Record emergency video: Enabled (default) Disabled	Records an emergency video when a collision is detected during driving.
	Sensitivity: Ultra-high High Medium (default) Low Ultra-low	Sets the sensitivity of shock detection during normal video recording.





ADAS	Enable/Disable	Enables or disables ADAS.
	Warning item: <ul style="list-style-type: none"> • Front vehicle startup • Lane departure • Front vehicle collision • Man collision • Rider collision 	Enables or disables one of the features of ADAS. For detailed information, see pages 37&38.
	Real scene annotation	Sets whether to mark vehicles and lanes within the cam's recognition scope in real time.

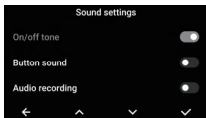
ADAS (continued)	Calibration	Sets the cam to start ADAS calibration. For detailed procedures, see page 36.
Voice control	Enable/Disable	Enables or disables voice control.

Notes:

- Emergency video sensitivity is available only when the emergency video is enabled.
- When road conditions are poor, bumps from the road surface might trigger emergency recording frequently. In this case, set the sensitivity to **Low**.

Sound Settings

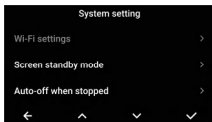
1. From the cam main interface, press the function button under .
2. Use the function buttons in the middle to locate **Sound settings**.
3. Press the function button under  to enter **Sound settings**.
4. Use the function button under  to enter the submenu whose value you want to change.
5. Use the function button under  and the function buttons in the middle to change.
6. Refer to the table below for the descriptions of the settings and the options.



Settings	Options	Descriptions
On/off tone	Enabled (default) Disabled	Determines whether to notify you by audio when the dash cam is powered on/off.
Button sound	On Off (default)	Determines whether to notify you by audio when a button is pressed.

Audio recording	On Off (default)	<p>Enables or disables audio recording.</p> <ul style="list-style-type: none"> If the rear camera is not connected, you can press the function button to enable or disable audio recording during normal video recording.
Speaker volume	Ultra high High Medium (default) Low Ultra low Off	Sets the volume of the speaker.

System Settings



Settings	Options		Descriptions
Wi-Fi settings	Wi-Fi hotspot	Enable/ Disable	Enables or disables the cam Wi-Fi hotspot.
	Wi-Fi on upon startup		Determines whether to activate Wi-Fi hotspot when powered on.

Screen standby mode	Always on (default) Clock screensaver Speed screensaver Screen off	Sets the screensaver mode.
Auto-off when stopped	5 minutes 10 minutes 20 minutes Never	Sets the time the cam will remain working for after the ignition switch locks.
Time	Calibrate dash cam system time	Manually calibrates the system time of the dash cam.
	GPS auto timing	Automatically calibrates the cam's time through GPS.
System language	- English - Русский and 19 others	Sets the language.

Date format	YYYY-MM-DD (default)	Sets the format of date displayed on the cam and App.
	MM-DD-YYYY	
	DD-MM-YYYY	
Speed unit	km/h mph	Sets the unit of speed shown on the cam and app.
Satellite positioning	Status of the positioning satellite	Displays the status of the positioning satellite.

Download App	N/A	Displays a QR code that lead you to download the app.
About	N/A	Displays the product name of the cam, firmware version No., and its release date.
Format	Yes/No	Formats the memory card.
Restore factory settings	Yes/No	Restores all settings to their factory defaults.

Device Data Settings

In the app, tap **Settings** and then **Device data** to check or change the device data settings. Refer to the table below for the settings and their descriptions.

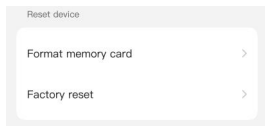


Settings	Options	Descriptions
Synchronize driving route data	Auto synchronization after direct Wi-Fi connection: Enabled Disabled (default)	Determines whether the dash cam synchronizes data automatically after establishing a direct Wi-Fi connection. <ul style="list-style-type: none">• With this function 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 complete.

Synchronize driving route data (continued)	Synchronize data now	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	N/A	After you tap this option, logs stored on the dash cam are synchronized to the app immediately.

Reset Device

In the app, tap **Settings** and then **Reset device** to format the memory card or reset the dash cam. Refer to the table below for the settings and their descriptions.





Settings	Options	Descriptions
Format	N/A	<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"> Once started, the initialization process cannot be stopped. Before completion of the initialization, do not remove the microSD card or power off the dash cam. Otherwise, the microSD card may be damaged.
Factory reset	N/A	<p>Tap this option to restore factory settings of the dash cam.</p> <ul style="list-style-type: none"> 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.

Troubleshooting

Problems	Causes/Solutions
<p>The dash cam does not turn off even after the car engine is turned off.</p>	<ul style="list-style-type: none"> For some constantly-powered cars, the cigarette lighter is still on even when the engine is turned off. In this case, tap Auto OFF when stop (page 48) to set the auto shutdown time. 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.

<p>Can the dash cam use a third-party power supply?</p>	<p>To avoid product malfunctions caused by unqualified products, use the included 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>	<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 44) and make sure it is set to Ultra-high.</p>
<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"> • Ensure that the power cord is correctly connected to the car and dash cam. • Check the car battery. 	<p>The parking surveillance function does not work.</p>	<ul style="list-style-type: none"> • To use the parking surveillance function, you need to purchase a 70mai Hardwire Kit separately. • Enable collision detection. (page 44). • 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 45) and make sure it is set to Ultra-high.

<p>The parking surveillance function does not work. (Continued)</p>	<ul style="list-style-type: none"> • 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. • 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. 	<p>No rear camera image is displayed.</p>	<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"> • Check whether  is displayed on the main screen of the dash cam. • To view the video shot by the rear camera, tap  on the recording screen of the app to switch to the rear view. • If the problem persists after the preceding operations are performed, contact the after-sales service.
<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>		

The rear camera image is blurry.

- 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.
- If the rear windshield is coated with a dark protective film, the rear camera cannot capture clear images.

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.

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

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 A800SE-1, is 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.

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-A810S

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-A810S

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

Service: help@70mai.com

For further information, go to www.70mai.com

Manufacturer: 70mai Co., Ltd.

Address: Room 2220, Building 2, No. 588 Zixing
Road, Minhang District, Shanghai, China

装订方式：胶装

材质：封面封底：157 克双
铜+单色印刷+哑膜；内页：

80g 克哑粉纸+印刷单黑

尺寸：110*78 mm

V1.0-20250805



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