

To help you quickly and easily operate this product, we have provided a comprehensive user manual. Please read this manual carefully before using the product.

User Notice

Before using this product, please review all precautions and operating instructions to ensure correct and safe usage.

Do not adjust this product while driving; prioritize driving safety. Use only the included power cable provided in the product packaging. Other cables may cause fire, short-circuiting, or electric shock due to potential defects. Supports up to a 128GB TF card; please use a Class 10 high-speed card. Avoid inserting or removing the TF card while the device is in use. Do not open the product casing or attempt repairs yourself. If the product malfunctions, please contact official customer support for assistance. Images in this manual are for reference only; the actual product may vary.

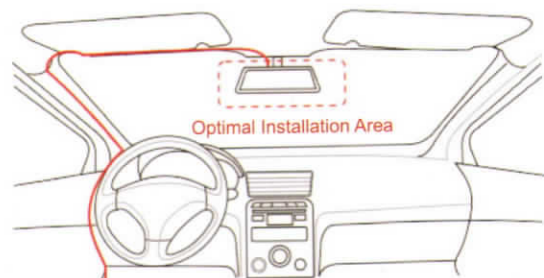
Package Contents

The product package includes the following items:

Main Unit × 1	Power Cable × 1
User Manual × 1	Electrostatic Stickers × 2

Installation Guide

1. Insert the storage card into the TF card slot (pay attention to the orientation). The images below are for reference only; actual product appearance may vary.
2. Attach the bracket to the windshield in front of the rearview mirror using 3M adhesive (ensure correct direction and position; once applied, the adhesive is very difficult to remove).
3. Take the power connection cable from the package (with red ACC, yellow VCC, and black GND terminals at one end, and a DC output connector at the other end). Connect the recorder's DC input port to the power cable's output port (ensure the car's power is disconnected).
4. Route the power cable along the front windshield, A-pillar, and passenger-side storage compartment, guiding it to the fuse box. See the image below for recommended cable routing.



Fuse Box Fuse Box Location: In most vehicles, the fuse box is located on the left side of the driver's seat or near the steering wheel.

5. Connect the black wire (GND) to the ground terminal in the car's fuse box. Connect the red wire (ACC) to the +12VDC ignition-controlled power source in the fuse box. Connect the yellow wire (VCC) to the 12VDC power source in the fuse box (this power source is always on and is not controlled by ignition).

6. When the car starts, the recorder will automatically power on and emit a startup sound, indicating it has entered normal operating mode.

Product Specifications

Parameter	Description
Colour	Black
Graphics	1080P(1920×1080)@30fps
Video format	H.264
Audio format	G711 16K
Photo format	JPEG
T-flash card	The pop-up TF card slot supports a maximum of 128GB/Class 10.
Operating voltage	12V/1A

Indicator Light Description

LED indicator working status	Status declaration
The blue light is blinking slowly, the red light is off.	Normal working and video mode
The red light keeps on and the blue light goes off.	The network is abnormal, and the recording is abnormal
The red light is blinking slowly and the blue light is off.	The network is abnormal, recording is normal
The red light is blinking fast and the blue light is off.	The network is normal, but the recording is abnormal
Red and blue light indicator, alternating slow blinking.	Factory data reset
Red and blue light, alternating fast flashes.	Software upgrade

Product Functions

The recorder's main functions are as follows:

Function	Description
Video Recording	Records real-time road conditions.
Video Preview	View real-time video via the mobile app.
Video Playback	Watch recorded videos through the mobile app.
Video Download	Download recorded videos via the mobile app.
Photo Capture	Capture real-time photos, saved to the TF card.
Parking Monitoring	Enters recording monitoring mode after parking and engine shutdown.
Collision Lock	In cases of collision or rapid acceleration, automatically captures a photo and retains 10 seconds of video (5 seconds before and after the event).
Mobile App	Connects and manages the recorder via the mobile app.

User Guide

Connecting the Phone to the Recorder

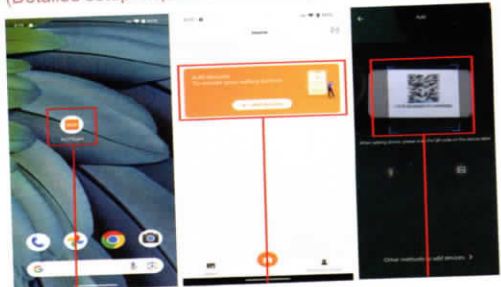
The recorder includes a built-in mobile network module and IoT card, enabling the phone to access live remote streaming and the "One-Click Car Finder" function through the mobile network. Check real-time conditions anytime, and use the mobile app to replay, download, and share driving videos and photos. It also allows for quick car location in complex environments.

Note: The above steps require activation of the built-in IoT card. Scan the QR code to download the app or search for "Xiaoying Guardian" in the app store. Register and log in to the app to operate and configure the device from your phone. The "Xiaoying Guardian" app download QR code is compatible with both Android and iOS systems.



1. Connecting Your Phone to the Recorder
For iOS/Android devices: In the app's settings interface, add the device by tapping the scan icon in the upper-right corner. Then, scan the QR code on the device and follow the on-screen instructions to complete device pairing.

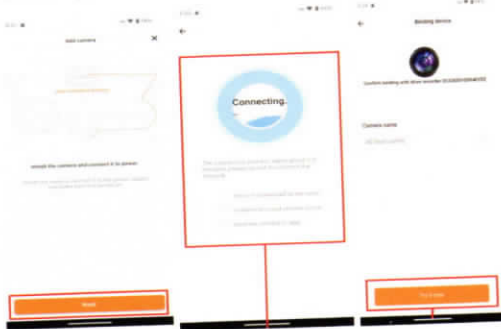
(Detailed setup steps are as follows:)



1. Open the "Xiaoying Guardian" app.

2. Tap the scan icon in the upper-right corner.

3. Scan the QR code on the device.



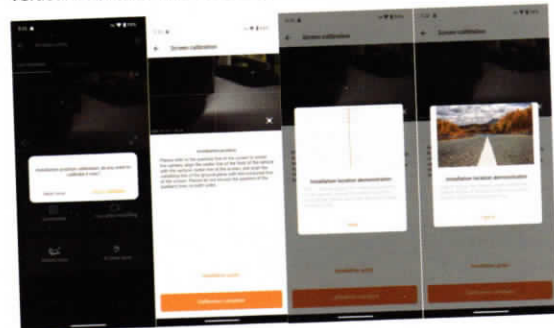
4. Tap "Next."

5. The app will begin pairing with the recorder.

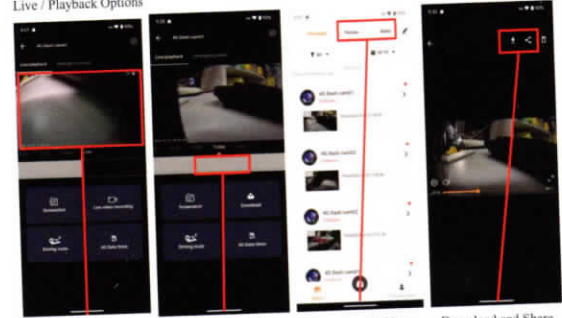
6. Click "Start Experience" to complete the setup.

Installation Position Calibration

1. Upon first use, after entering the live preview interface, the app will automatically display the installation calibration pop-up.
2. Click the "Go to Calibration" button to access the calibration interface. Then, click "Installation Guide" and follow the prompts to adjust the lens angle so the vehicle's centerline aligns with the vertical reference line. Once adjusted, click "Calibration Complete."



Live / Playback Options



Live Preview

Video Playback

Images and Videos

Download and Share

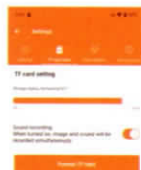
1. Open the app and click "Enter Device" to access the live preview interface, allowing you to view the road environment in front of the vehicle.
2. To replay a video, drag the timeline at the bottom to the desired event, with options to adjust the playback speed (e.g., 0.5X, 1X, 1.5X, 2.0X).
3. To capture a screenshot, tap the "Capture" icon in the bottom-left corner. For first-time users, follow the prompt to allow the app to access "All Photos." **Steps: Open Messages > click on the bottom-right Personal Center > System Permissions > Access Album to complete setup.** Then, return to Messages to download or share captured images.
4. To start real-time recording, click the "Record" icon in the bottom-right corner. To download or share captured images, go to Messages > select Video > choose the video to share and share your travel moments.
5. For emergency event downloads and playback, open the app and click "Enter Device" to access the live preview interface. Then, click "Emergency Events" at the top-right corner of the viewing window to see all collision videos, and select the needed video to download.

One-Click Car Finder / Messages

Activate the "One-Click Car Finder" feature, which provides the vehicle's precise location and parking information through the app. Use real-time map navigation to locate the car. When the vehicle experiences a collision while driving or parked, the device uploads the event's time, location, and images or videos of the collision. Users can view previous collision events in the Messages section.



TF Card Settings



1. During video recording, customers can choose to enable or disable audio recording according to their needs (Note: if audio recording is disabled, all recorded videos will be in mute mode). The default factory setting is "Enabled."
2. TF Card Formatting: Customers can format the TF card independently.



AI Value-Added Services

Customers can access the cloud storage marketplace to "Activate Cloud Service." This ensures that in the event of an emergency, any offline or damaged device will not affect the storage of primary data. Customers can download and replay emergency videos from the cloud.

Data Recharge

Click on "Data Recharge" to select and recharge from available "Packages."

Note: Without cloud storage activation, emergency event videos are only stored for one day.

Recorder Settings

Open the app, connect to the recorder, and click [Settings] to adjust various recorder parameters.

Basic Settings

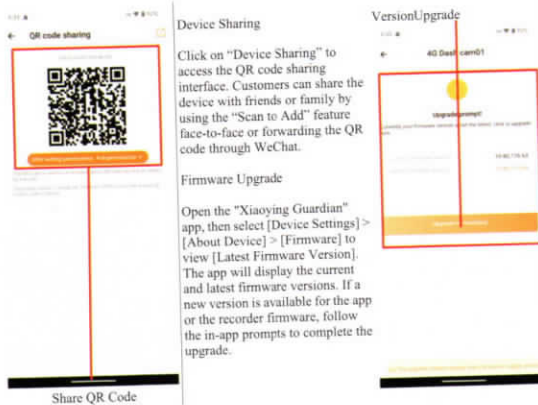
Basic settings include: recorder name, volume adjustment, audio recording during video capture, video association for photos, image quality, advanced settings, and recorder storage management.

Advanced Settings

Setting	Description
H.264 Video Encoding	Enables H.264 encoding for video recording.
Timestamp Watermark	Toggle On/Off: Displays timestamp watermark on video.
Startup Sound	Toggle On/Off: Enables or disables the startup sound.
Collision Detection Sensitivity	High, Medium, Low, or Off. When set to low sensitivity, minor impacts will not trigger collision detection. This feature is related to parking monitoring; if collision detection is off, the recorder will not wake in parking mode. Enabling collision wake-up provides millisecond-level response and emergency event notifications.

Parking Monitoring

Setting	Description
Recording Duration Selection	Set the duration of parking monitoring recording.
Battery Protection	Supports 12V-18V wide voltage input with low voltage protection. Switches to G-sensor collision recording below 11.5V and shuts down the recorder below 11.23V to prevent battery drain.
Parking Monitoring Settings	- Disable Parking Monitoring: When ACC is off, the device enters shutdown mode (no recording or wake-up possible during this period). - Parking Collision: When ACC is off, the device enters sleep mode (no recording during this period; recording resumes when a collision is detected or the device is awakened via the app). - Smart Mode: After ACC is off, the recorder continues recording if vehicle voltage is above 11.5V. It enters sleep mode if voltage is between 11.5V and 11.23V, and shuts down below 11.23V due to low battery.



Common problems

If the product experiences the following common issues under normal operation, please refer to the solutions provided:

1. QR Code on the Device Body is Damaged and Unable to Connect? Use a pin to press the RESET hole on the recorder for approximately 5 seconds. This will restore the recorder to factory settings. You can then re-scan the QR code on the device to add it.

2. The device is offline

- ① Check the status of the device indicator. If the network is well connected, the blue light will blink slowly.
- ② Check whether the network is connected when the device is powered on.
- ③ Whether the network is sound.
- ④ Check whether the device is activated.
- ⑤ Confirm what mode is set. Collision mode indicate that device is set normally.
- ⑥ Reset it and have a try.
- ⑦ Confirm whether it is the latest software version, if not, please upgrade it.

3. GPS can not locate it

- ① The locating time is less than 3 minutes. It is difficult to locate it in the case of interference in some areas.
- ② If the car parked in the underground garage and the high floor with metal places, GPS can not locate it.
- ③ Check whether it is the latest software version, if not, please upgrade it.
- ④ You can try to put the device on the roof of the car to see if you can locate it.
- ⑤ If it is not located for a long time, you can format the TF card or reset the device.