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Carplay Smart Screen User Manual



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I. Introduction

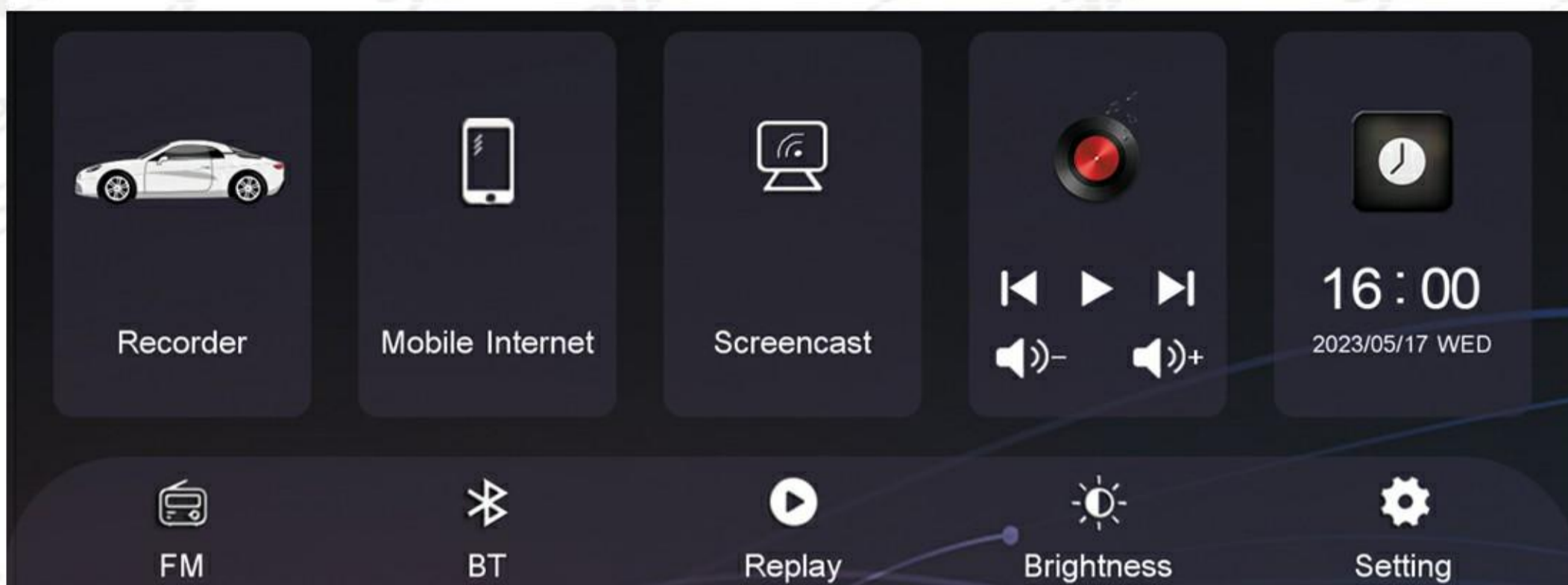
Respected user

Thank you very much for using our company's products. It's a great honor to serve you. Your recognition and support is our driving force! Before using the HD recorder, please read this manual carefully. This manual uses pictures and words, and explains the appearance of the product in detail and intuitively. In addition, due to the different production date and batch of the product, the description may be different from the actual product used, please refer to the actual product.

Notice:

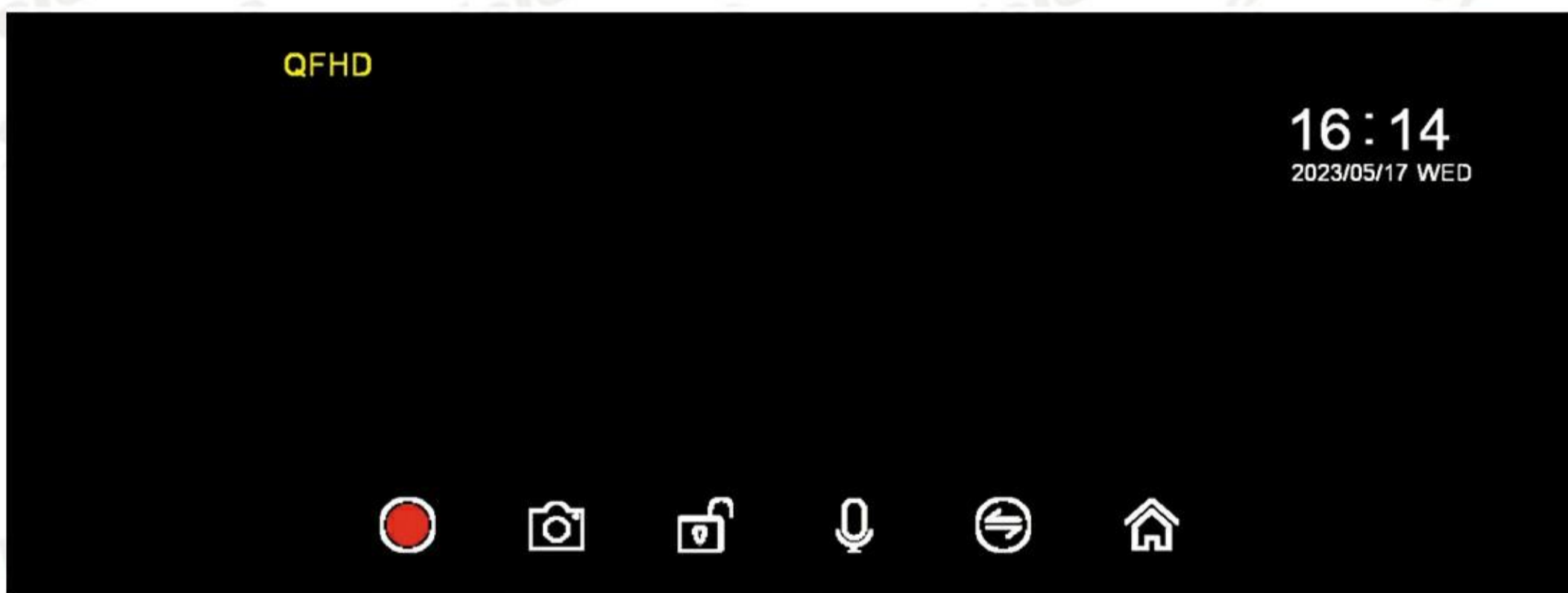
- 1.Carplay and Android automatic system support wired and wireless connection;
- 2.After turning on the FM transmitter function and plugging in the AUX cable, the device will have no sound. After turning off the FM function or unplugging the AUX cable, set the device audio to SPK, and the device will emit sound;
- 3.Bluetooth audio output function: This function requires the vehicle audio to support the Bluetooth function

2. Main interface



The main interface displays time, music switching, volume adjustment and other commonly used functions. There are driving recorder, mobile phone interconnection, screen projection, music switching and volume adjustment, time, FM, Bluetooth, return visit, and screen brightness adjustment, which can be quickly accessed for operation.

[1] Driving Recorder

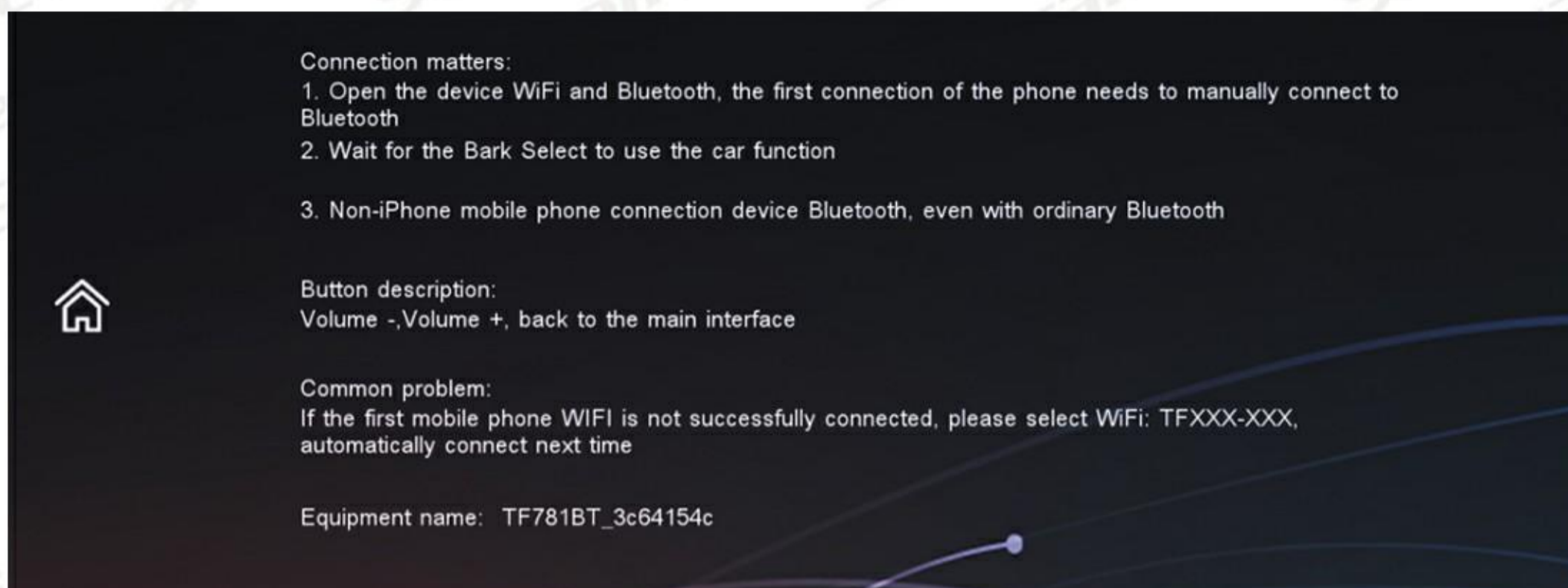


Click Recorder from the main page to enter the video recording interface, from left to right corresponds to recording, taking pictures, locking the screen, recording, switching the rear camera, and returning to the main interface

Notice:

When a micro memory card is inserted, the device will automatically enter recording mode. To ensure proper recording, choose a card capable of at least a 10U1 class speed.

[2] Mobile phone interconnection and screen projection



Display mobile Internet connection items:

1. Turn on the WiFi and Bluetooth of the device. The first connection of the mobile phone needs to be manually connected to the Bluetooth
2. The mobile phone waits for the pop-up box to choose to use the car function
3. The non-iPhone mobile phone connects to the Bluetooth device, that is, the ordinary Bluetooth function is used

Button description: volume -, volume +, return to the main interface

Frequently asked questions: If the mobile phone WiFi fails to connect to the device for the first time, please manually select WiFi: TFXXX-XXX, and it will automatically reconnect next time

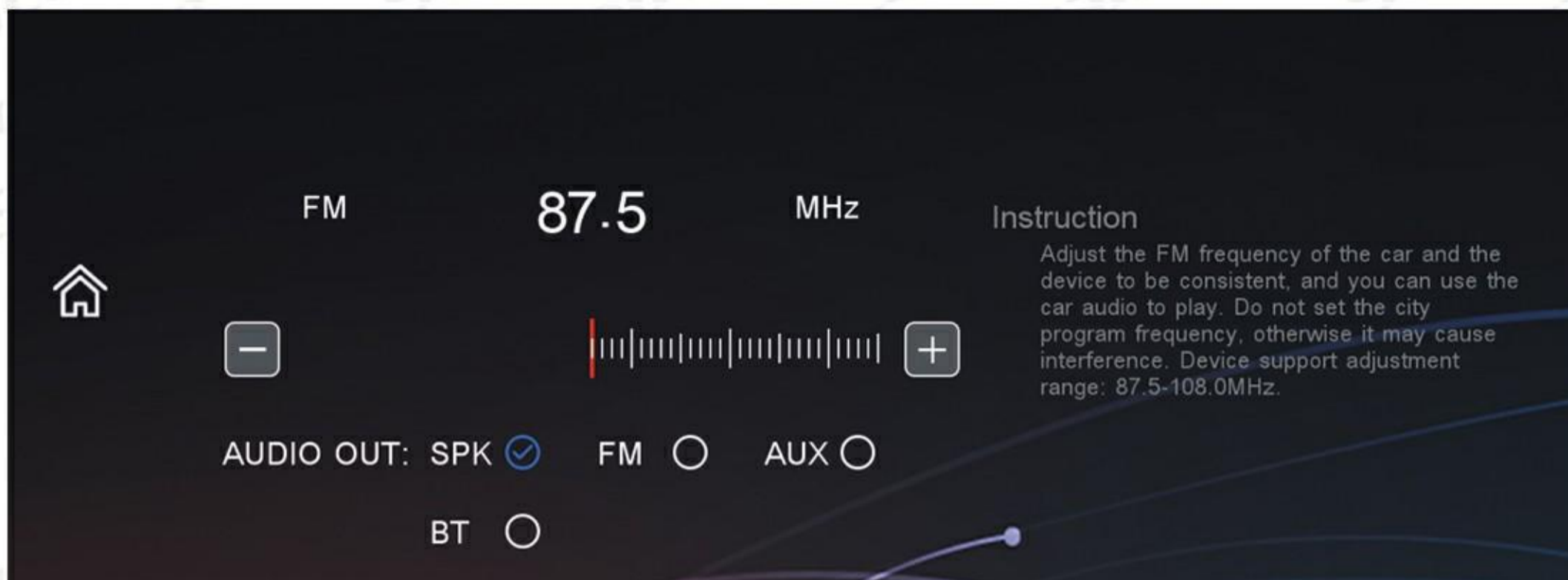
Device name: TF781BT_3c64154c


[3] Music switching and volume adjustment



You can switch songs and adjust the volume directly on the main interface

[4] FM



(1) FM transmitter + AUX connection:  Click to enter the FM transmission interface:

(1.1) Select FM for audio output, click +/- to select frequency band.

(1.2) FM transmitter function connection: first set a frequency, then turn on your car FM, find this frequency, the sound of DVR will be transmitted to the car stereo.

(1.3) There are 3 modes of audio output: SPK (speaker of the device itself)/FM transmitter/AUX. Only when the SPK mode is selected, the device will make a sound. If FM/AUX is selected, there will be no sound from the device.

(2) AUX Connection

Turn on the FM transmission function, select audio AUX, and connect the AUX cable. This sound will be transferred to the car's audio.



(3) Bluetooth audio output function

This feature requires the vehicle's audio to support Bluetooth functionality. Operation: Click FM Settings on the homepage, >>>Select BT



[Note: After BT is checked, the above FM/AUX/SPK will be invalid]

After selecting BT, use a mobile phone connected to Carplay/Android Auto to connect to the car's Bluetooth to achieve sound synchronization.

Navigation sound: sync to car audio

Music/Video Sound: Sync to Car Stereo

Incoming call: Incoming call: The mobile phone BT actively connects to the car stereo, and the car stereo emits a call sound; the car audio actively connects to the mobile phone BT, and the mobile phone emits a call sound.


[5] Bluetooth

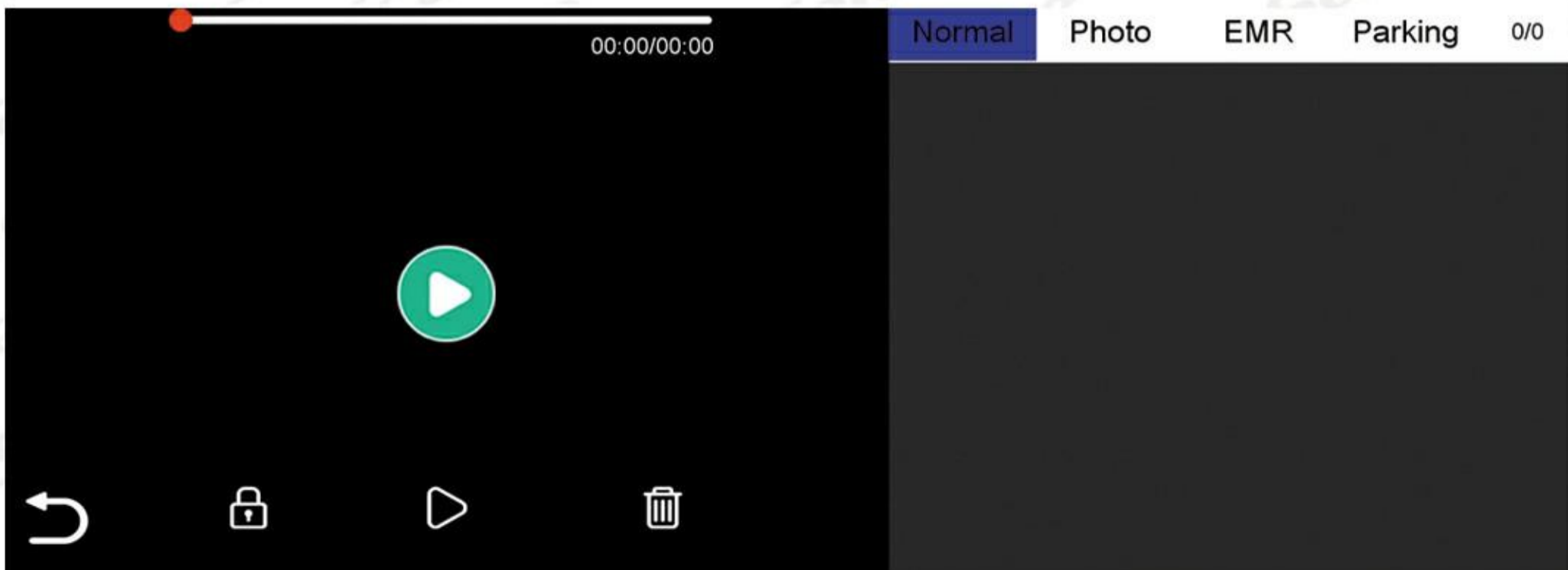
Click  to enter the Bluetooth connection interface:



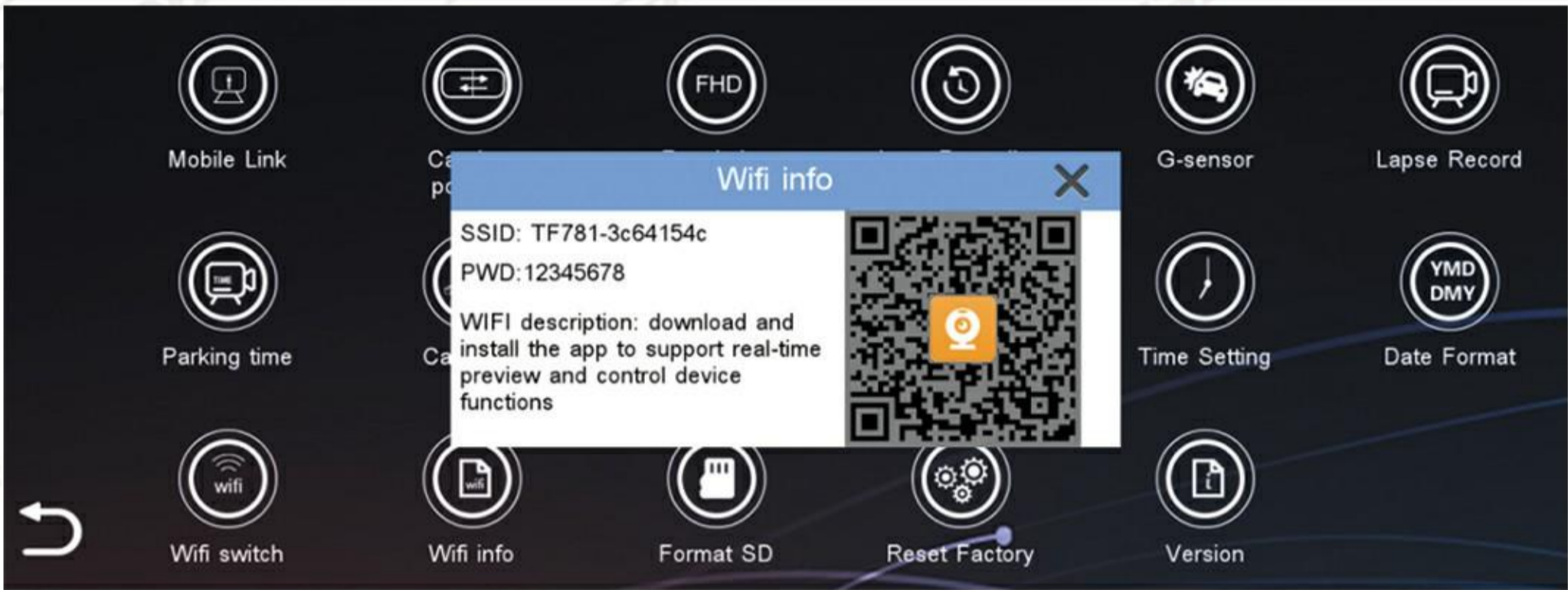
- 1) Click the zigzag icon to move the bluetooth name
- 2) Bluetooth switch, blue is on:
- 3) Click Disconnect to interrupt the current connection.

[5] Play back

Click  to enter the local video playback interface



- (1) Select the video file to play from the right menu, and then enter the video to play.
- (2) During playback, click the "Lock/Delete" icon to lock/delete the playback video file.
- (3) View the recorded video on the APP:





Use the mobile browser to scan the QR code in the WiFi information in the settings to download the APP (Roadcam) or search for Roadcam in the mobile application market to download and install it.

Installed APP

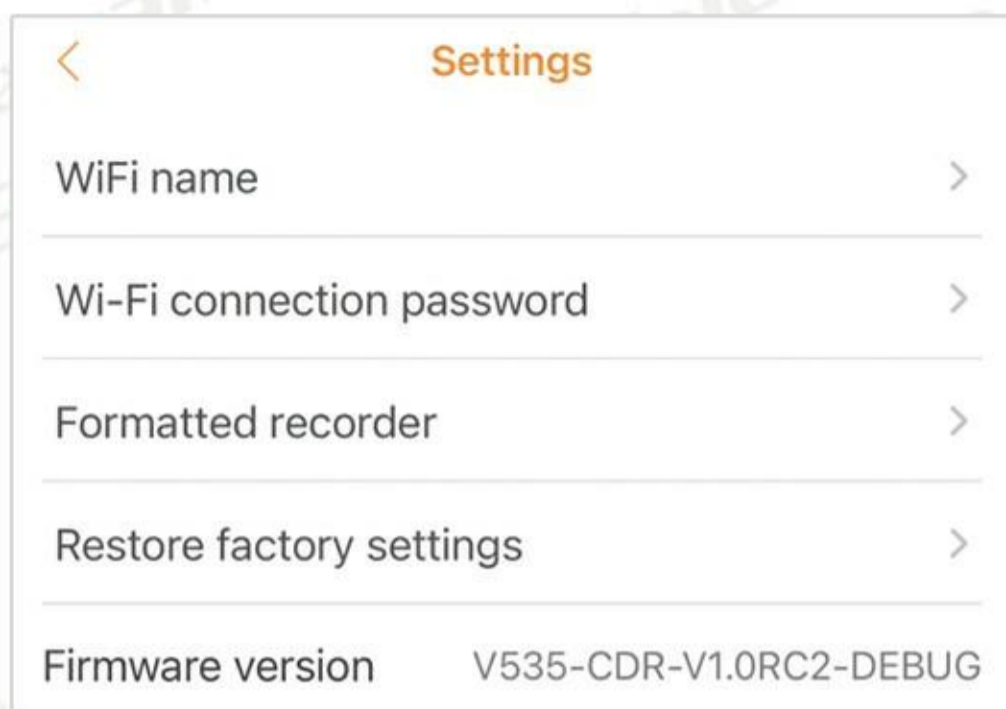


First connect to the WiFi of this product, then click on the APP to enter, and the device will be added automatically. Click the icon on the device name TF781-286a18cc in Figure 1 to enter the display as Figure 2. Click Video or Photo on the top of Figure 2 to view the recorded video or photo,



Click   the icon button below to control the device to record and take photos through the APP.

Click the setting button on the upper right to enter and change the device information and password

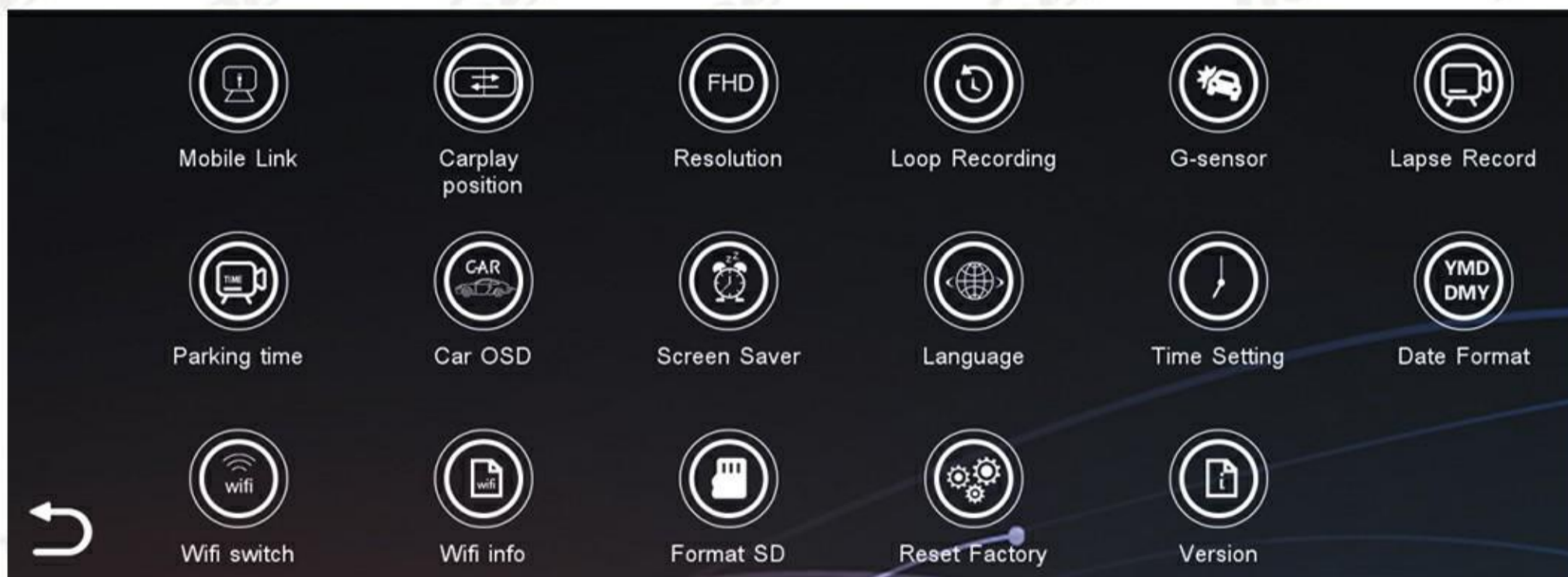


[7]Screen brightness

Click  on the main interface to adjust the screen brightness

3. Setting functions and information

After clicking Setting, you will enter the system setting interface



Note: After inserting the rear camera or GPS module, the relevant settings will appear.

[1]Mobile Internet

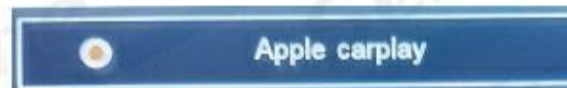
The product supports car play, Android auto play and mirror link functions. In the setting, click "Mirror Link", select the mode (Apple Car Play/Android Auto/Apple Air Play/Android Wireless Mirror), then the device will switch to the corresponding mode



Wireless Car System/Wireless Android Automatic Connection Tutorial

1) iPhone version, please follow the steps below:

First click on the settings of "Car Play" to switch to the car play mode



When connecting for the first time, turn on your iPhone's Bluetooth and WiFi.

Connect the bluetooth of the DVR and wait for 5-10 seconds.

The phone will bring up a window to select the vehicle to use with CarPlay.

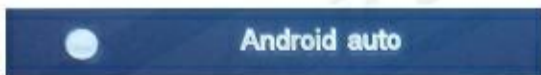
After the Bluetooth authentication is successful and automatically disconnected, the CarPlay interface of the DVR will automatically transmit.

The next time the device will automatically reconnect (if the dvr's bluetooth and wifi are turned on, no cooperation is required)

Note: Due to the version of the iOS system, please do not choose to connect to the WiFi of the device in the mobile phone. If the connection fails, manually ignore the txxxx-wifi of the connected device, and click Bluetooth connection again.

2) For the Android mobile version, please follow the steps below:

choose



First, please make sure your phone is Android 11 or higher. Android phones need to have the Android Auto app installed in advance (you can download it on Google Play) First open the settings, find the mirror link, click "Android Auto" to switch to Android Auto mode, Check if the bluetooth and WIFI of the DVR are turned on,

3) Turn on the Bluetooth and WiFi of the mobile phone,

4) Connect and pair the DVR and mobile phone Bluetooth,

5) After the Bluetooth connection is successful, wait for 10-15 seconds and then automatically enter the Android automatic page.

Note: Due to the large number of Android phones, some phones may not be compatible.

If your mobile phone cannot be successfully connected to the Android Auto system, please ask the merchant for help

Mirror Link Connection Tutorial

iPhone: 

Connection matters:

- 1) The mobile phone is connected to the device WiFi
- 2) Open Apple's pull-up menu and find Screen Mirroring
- 3) Click to connect zj-play to play

Button Description: Volume -, volume +, return to the main interface

common problem: Some video content has copyright restrictions and screencasting is not supported.

Android: 

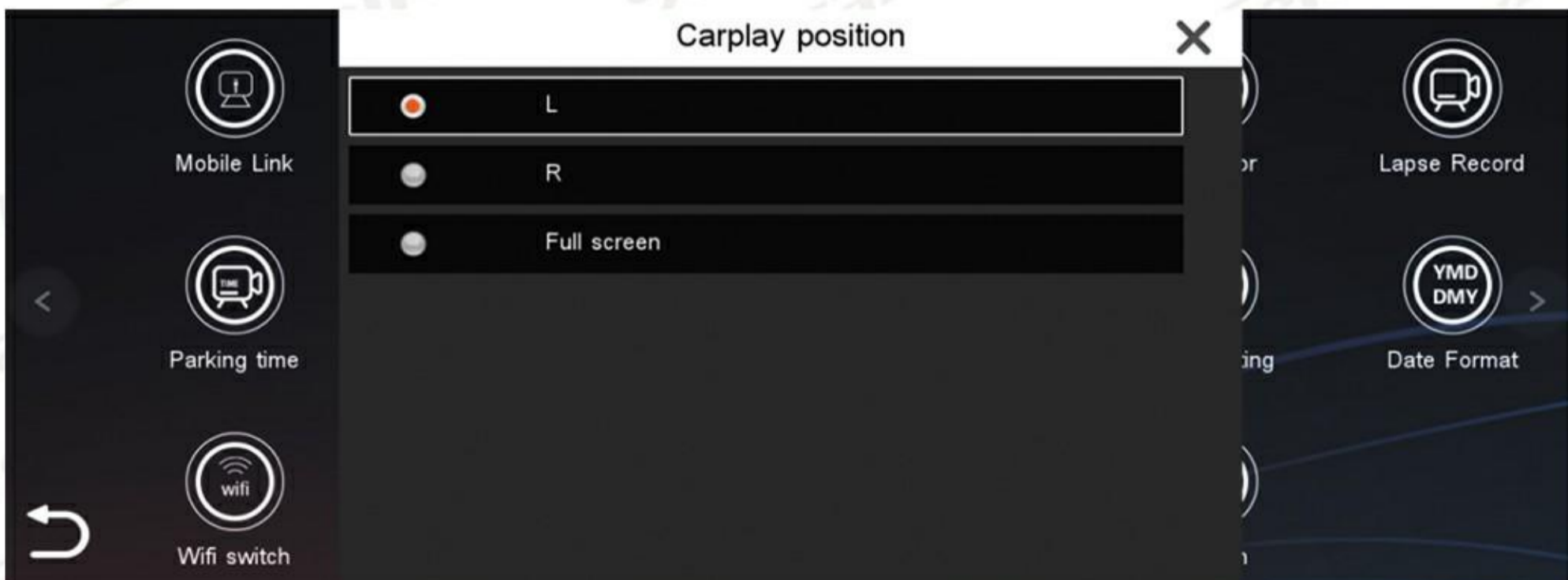
Connection matters:

- 1) Scan the QR code to download the apk and turn on the mobile hotspot (it is recommended to set the 5G frequency band).
- 2) For the first connection, click on the WiFi icon to enter the hotspot information. Only numbers, English and some special character combinations are supported.
- 3) Connect to BitTorrent, click start screen casting.

Button Description: Volume -, volume +, return to the main interface

common problem: The copyright of some video content has been reselected and scanning is not supported.

[2]Screen location



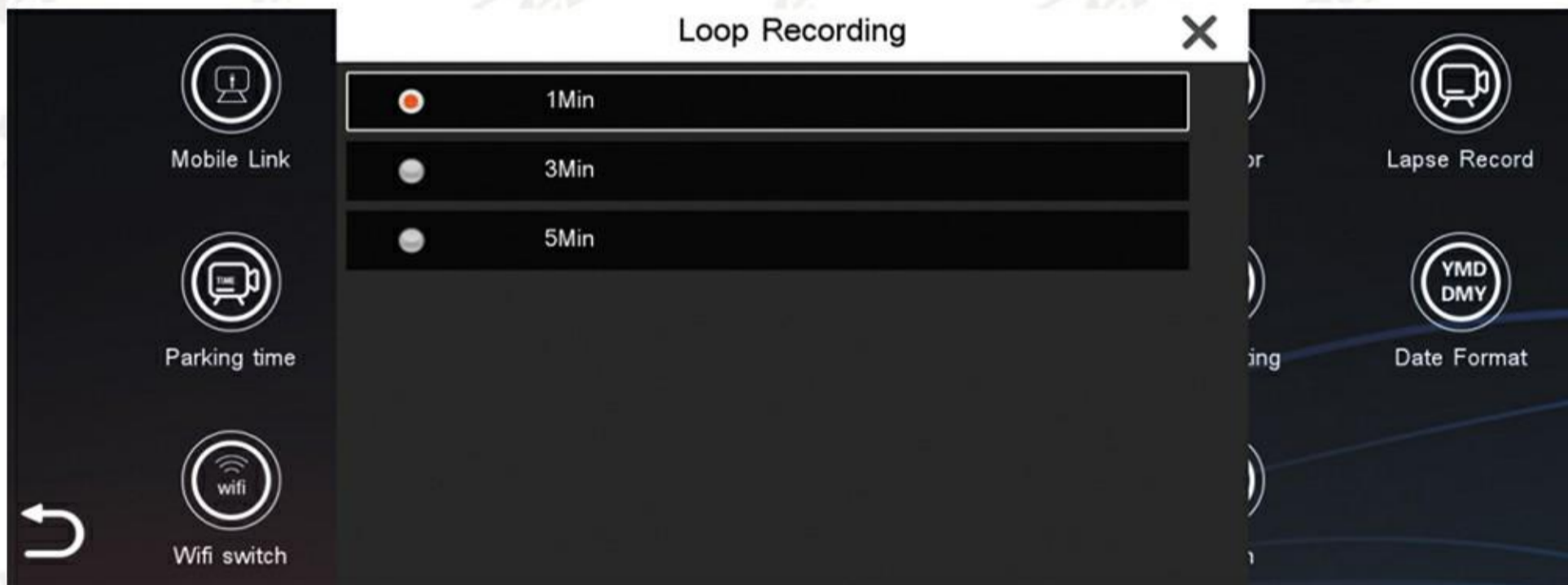
Main interface - click Settings - click projection location to enter. When connected to the mobile phone to cast the screen, the mobile phone can be cast to the display screen of this product, and the left, right or full screen of the screen can be selected.

[3]Resolution



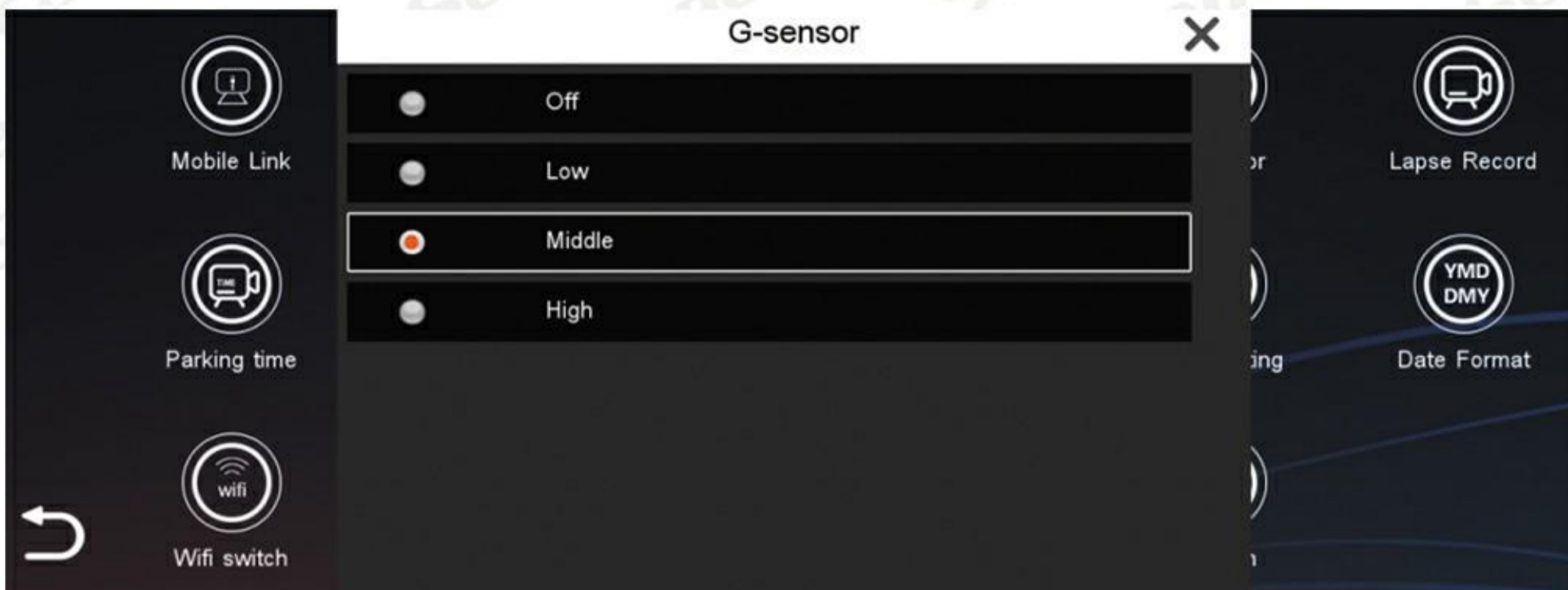
Main interface - click Settings - click Resolution to enter. A total of 4 resolution options: 4K, 2.5K, 1080P, 720P. The higher the resolution, the larger the recorded video file, and the file size of 2.5K will be larger than that of 1080P. The specific resolution can be selected according to the capacity of the memory card, and a higher resolution can be selected if the capacity is large. Usually, a 16G memory card can record about 200 minutes of video at 720P resolution, while a 1080P card can only record about 100 minutes. The larger the memory, the larger the number of video storages and the longer the time.

[4]Loop recording



Main interface - click Settings - click Loop Recording to enter. Loop recording means that the driving recorder will perform video and photography work in a loop. The current driving recorder is equipped with a memory card. Usually, the capacity of the memory card is in the range of 4G to 32G. When the driving recorder is recording in a loop, the saved video will continue to increase, and the capacity of the inner-inch card will continue to be occupied. When the capacity of the memory card of the driving recorder is full, the loop recording function of the driving recorder will delete the recording time and the longest part of the video to obtain a new capacity, and keep the loop recording function running to store The latest recorded video. 1 minute, 3 minutes, 5 minutes of loop recording duration are optional.

[5] Collision Sensitivity



Main interface - click Settings - click Collision Sensitivity to enter. Collision sensitivity can be turned on or off, and low, medium, or high can be selected when it is turned on.

Note: Do not set the vibration wake-up sensitivity of the driving recorder too low, because after the driving recorder detects a collision or wakes up from vibration, the driving recorder will automatically save the video, and it will not be covered by loops. These video files will be lost over time. It will accumulate more and more, and eventually the memory card storage space of the driving recorder will become smaller and smaller. When it is too small, it will alarm, indicating that the driving memory card is full. It is recommended not to adjust the collision alarm sensitivity arbitrarily, and generally keep the default setting. In addition, it is recommended to clean up the memory card files on a regular basis, such as once a month, to delete useless videos in the driving recorder to save storage space.

[6] Track playback (optional model: H041 GPS antenna)

Insert the TF card, plug in the GPS antenna and start recording

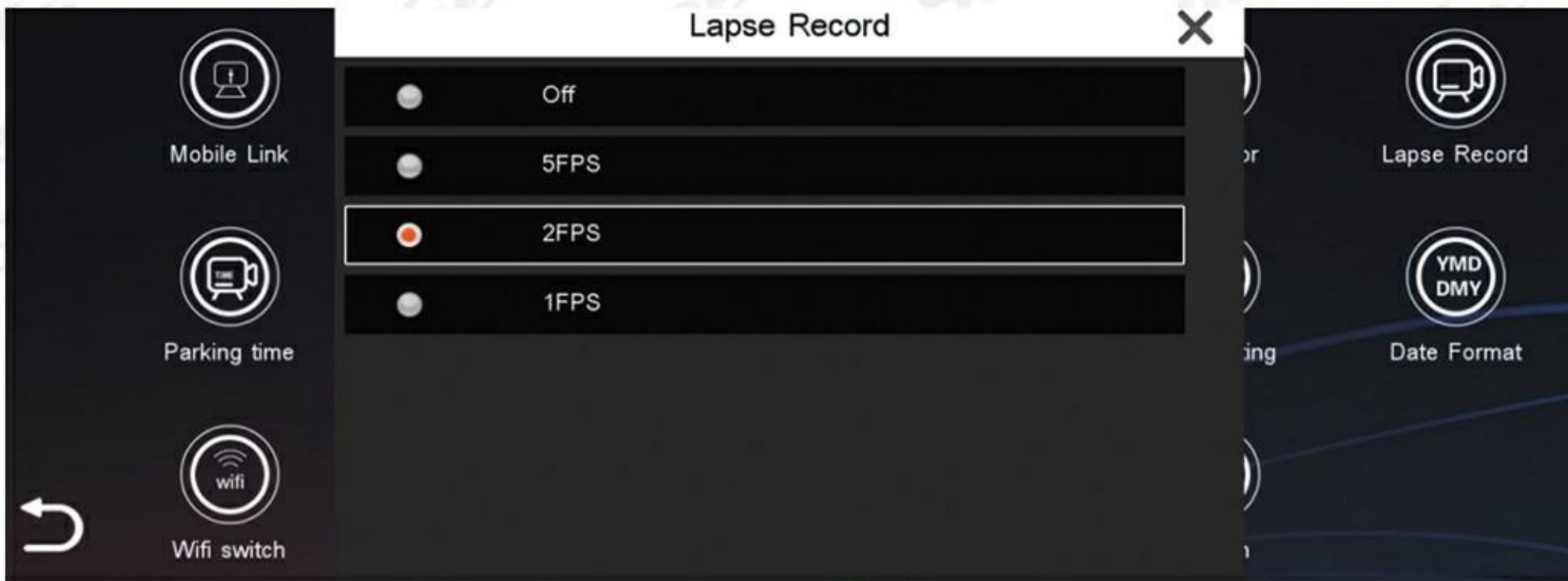


Pull out the TF card, insert it into the computer, the above files will be displayed in the TF card, click the exe suffix file to install, and the icon will appear on the computer after the installation is successful



Click to view driving track.

[7]Time-lapse video recording (optional model: H041 step-down line)



Main interface - click settings - click time-lapse recording to enter. Time-lapse recording can be turned on or off.

When it is turned on, it can be selected as low, medium or high, and it is turned on by default. Time-lapse video refers to a shooting technology that can compress a long video to shorten it, similar to the fast-forward playback function in a movie, also called time-lapse video.

The functions of time-lapse video are:

1. To ensure the integrity of the recorded content;
2. To save memory space.

The main functions of the driving recorder:

1. Anti-collision porcelain;
2. In case of unexpected road conditions, the driving recorder can provide reliable evidence and news clues;
3. Provide intuitive and reliable video evidence for minor accidents;
4. Can Used as parking monitoring;
5. The driving recorder can record the scenery along the way.

[8]time lapse recording time



Main interface - click Settings - click time-lapse recording time to enter. Time-lapse recording is enabled by default, and you can choose the duration according to your needs. You can choose 1 hour, 2 hours, 5 hours, 10 hours, or not to close.

[9] license plate watermark



Main interface - click Settings - click license plate watermark to enter. It is a function that can set the license plate number. When turned on, it will display the license plate number in the recorded video. You can click Edit to enter the license plate number, turn it on or off.

[10] turn off the screen



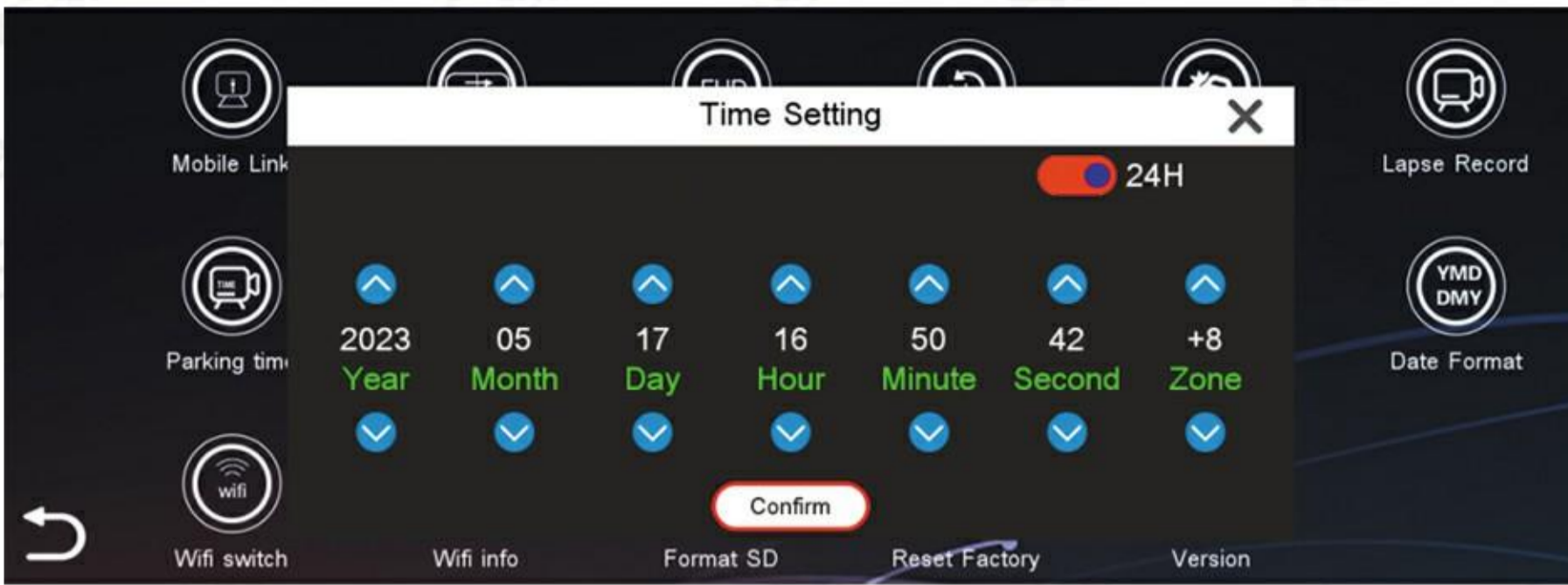
Main interface - click settings - click screen settings to enter. Keeping the screen on for a long time will affect the use of the rearview mirror to observe the rear car conditions, so for your safe driving, the screen will usually be automatically turned off within a certain period of time. The screen can be turned on or off, and you can choose 1 minute, 3 minutes, or 5 minutes. If the screen is turned off, the driving recorder still works normally.

[11] language settings



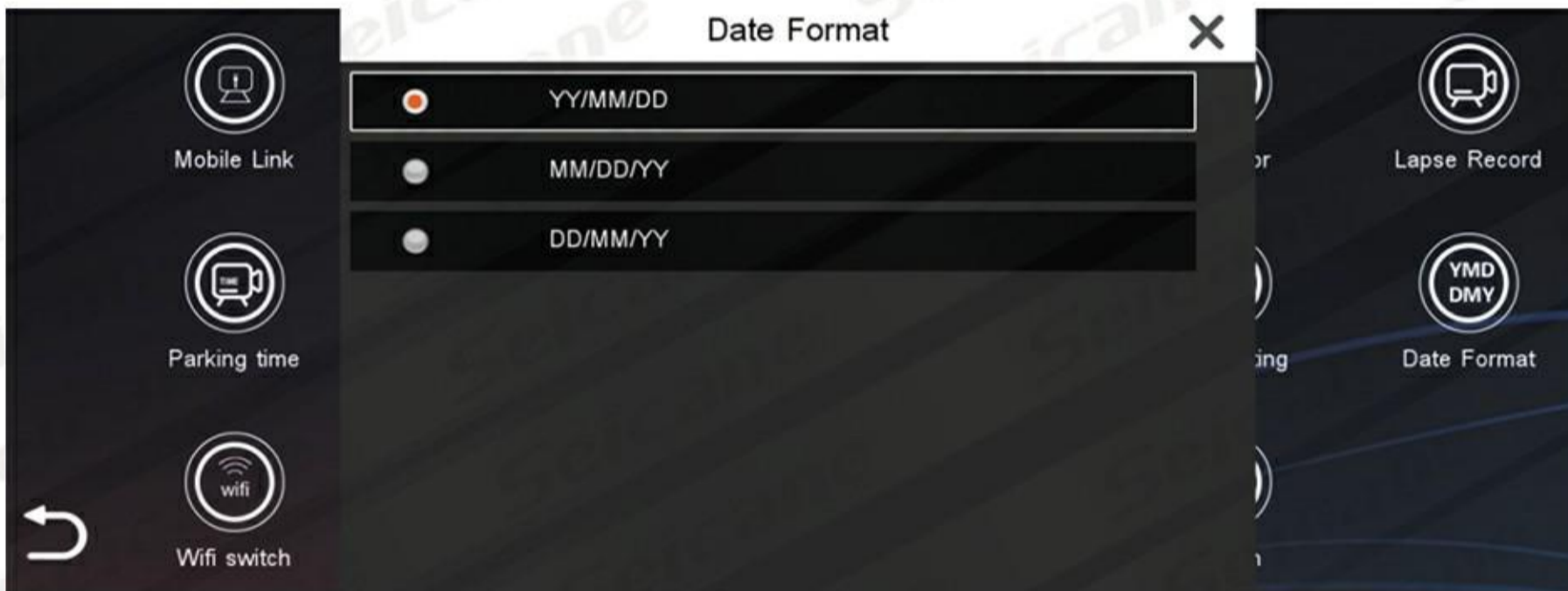
[12]

[12]time setting



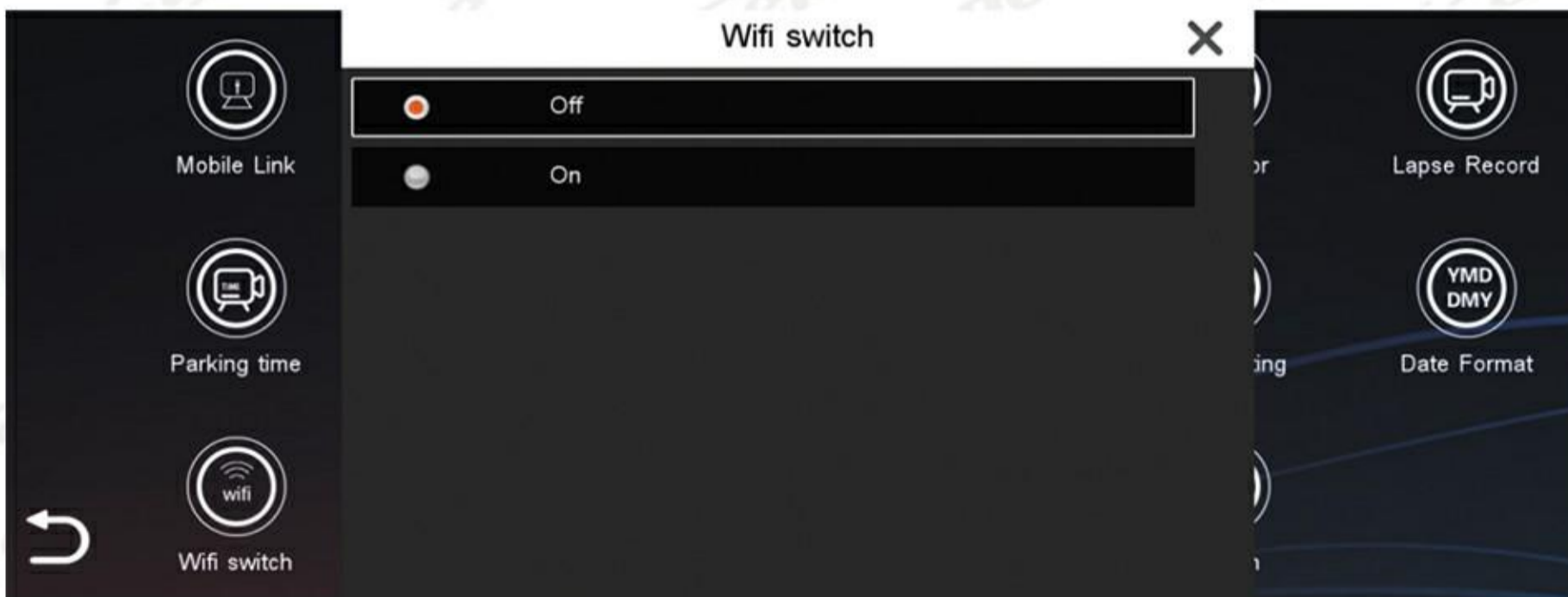
Main interface - click settings - click time setting to enter. Optional time zone, accurate to the second.

[13]date format



Main interface - click Settings - click date format to enter.

[14]WIFI switch



Main interface - click Settings - click the WiFi switch to enter.

[15]Wi-Fi information



Main interface - click Settings - click WiFi information to enter. Display name, password and description (download and install app, support real-time preview and control device functions)

[16]SD card specification requirements (optional model: 32G C10 SD card)

The quality of the SD card has a great influence on the stability of the video recording. In order to record the video safely, please use a big brand SD card, and the speed certification must be at least Class10 U1

[17]Format memory card

Main interface - click Settings - click Format Memory Card. Note: When the memory card is formatted, all information will be cleared.

[18]Reset

Main interface - click Settings - click Restore Factory Settings. Restore factory settings to return to the default state when leaving the factory, such as the start interface, standby mode, turn off screen time, and clear saved parameter settings. Will not delete data on memory card

[19]About



4. Rear camera connection

[1] Connect the screen and mobile phone wiring

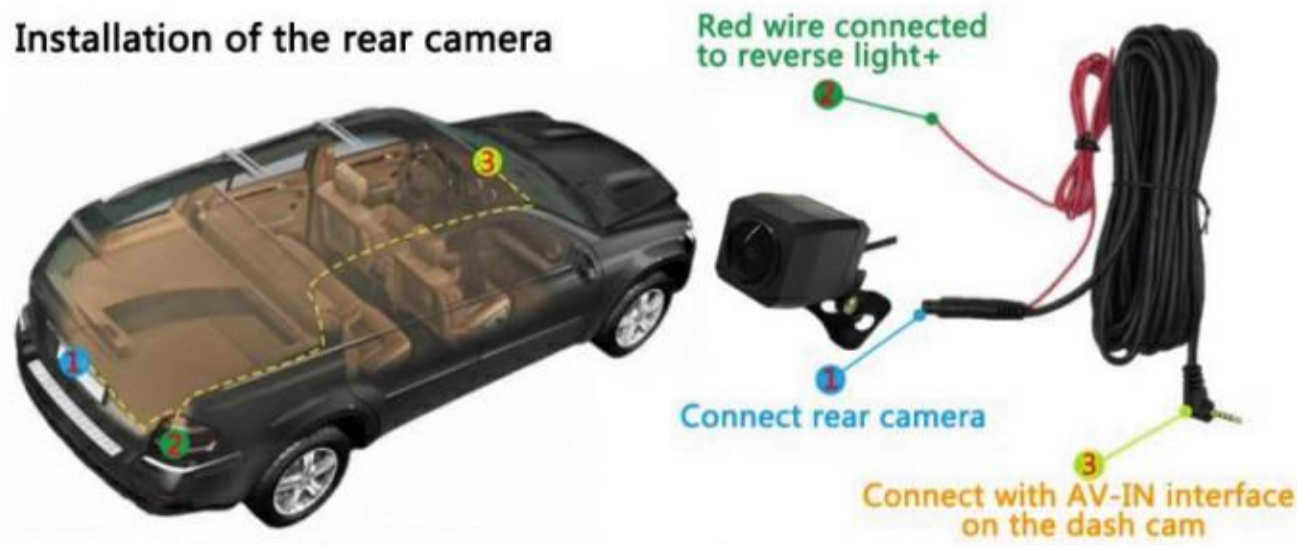
Main interface - click Settings - click WiFi information to enter. Display name, password and description (download and install app, support real-time preview and control device functions)



[2] Rear camera connection

Cabling and installation of rear pull camera

Installation of the rear camera



5. Common Problem

[1]How do I disconnect CarPlay/Android Auto?

Please turn on the WiFi on your iPhone.

[2]How to connect the device again if CarPlay/Android auto-connect is disconnected manually?

Please click on the phone's Bluetooth function again to connect the device again.

[3]How to connect CarPlay/Android Auto and restart dvr device during power outage?

If the phone was previously connected to the dvr device, it will reconnect if the phone's bluetooth and WiFi are on.

[4]How to connect to CarPlay when using the road camera wireless app?

When Carplay is connected, you can also enter the road camera app for wireless control at the same time.

[5]How can I control the volume while connected?

There is volume +/- on the dvr device, you can adjust the volume.

[6]How do I connect to the vehicle's original audio?

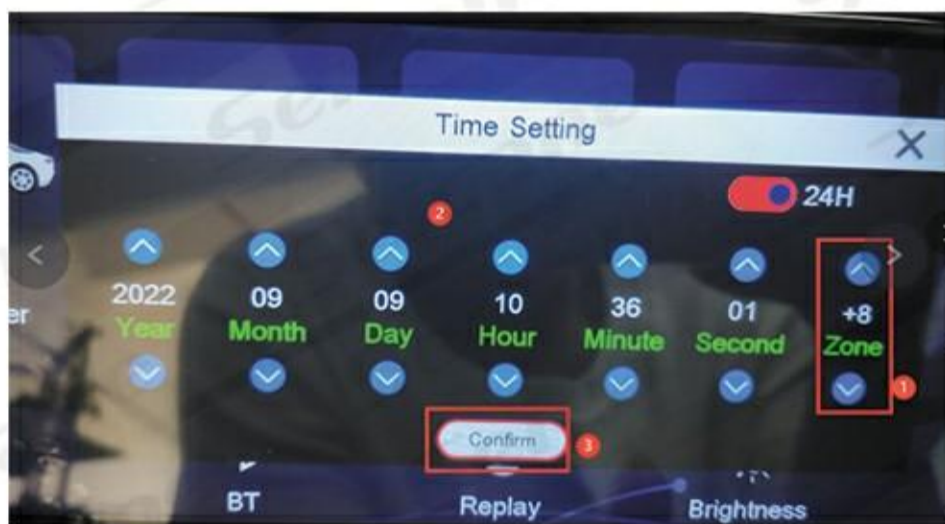
After connecting the Carplay/Android car, you can turn on the FM transmission function of the dvr, and then turn on the FM radio of the car to adjust and set the same FM frequency as the FM of the dvr, then you can transfer the music to the original car audio for listening .

[7]How to connect an Android phone in mainland China to a wireless Android car?

Android phones in mainland China do not support wireless interconnection for the time being, but you can use Bluetooth to connect to the device.

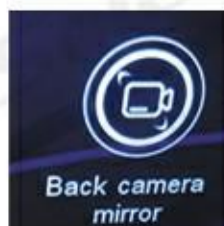
[8]How to make the time not reset?

Open the time and date settings, first set the correct time zone ① (you can search your local time zone on Google), then adjust the correct time ②, and finally click "Confirm" ③.



[9]How to change the image effect of the rear camera?

Once the rear camera is plugged in, there will be a "Rear Camera Mirroring" option in the settings. Turn it on or off, and then you can adjust the image effect.



[10]What is the function of the car's OSD?

It is a function that can set the license plate number. When turned on, it will display the license plate number in the recorded video.

[11]How to install the rear view?

See the detailed diagram, installation diagram, wiring diagram, optimization detailed diagram, how to install the rear view, wiring diagram, as follows:



[12]Can Google Maps on Android phones be used normally on the product?

Connect to the mobile phone Android AUTO, it can be used normally

[13]The product is used with the big screen of the original car at the same time, which one should I use to make Bluetooth calls?

Look at which device is connected to the Bluetooth of the mobile phone. A mobile phone can only be connected to one Bluetooth product at the same time, and the product connected to the Bluetooth of the mobile phone is used to make a call.

[14]What is the operating power consumption?

After connecting to carplay, the navigation includes playing music, and the front and rear video recording functions are turned on, about 10W