ossora T86DVR 7 Inch Smart Screen Player User Manual

T86DVR 7 Inch Smart Screen Player
User Manual

Contents

Product Overview

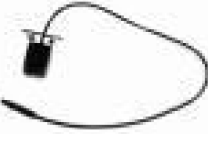The T86DVR uses two wide-angle cameras installed inside and outside the vehicle to capture images of the surrounding area and transmit them to the integrated device in real time. With the help of this system, the driver can see the obstacles and pedestrians around the vehicle intuitively, and effectively reduce the occurrence of scraping, collision, collapse and other accidents. This product can record all driving pictures to avoid accident fraud.

The microphone   Power key

The top screw hole is used to install the suction cup bracket
Forward camera
AUX output
Storage slot
Cable holes for rear cameras
The power hole
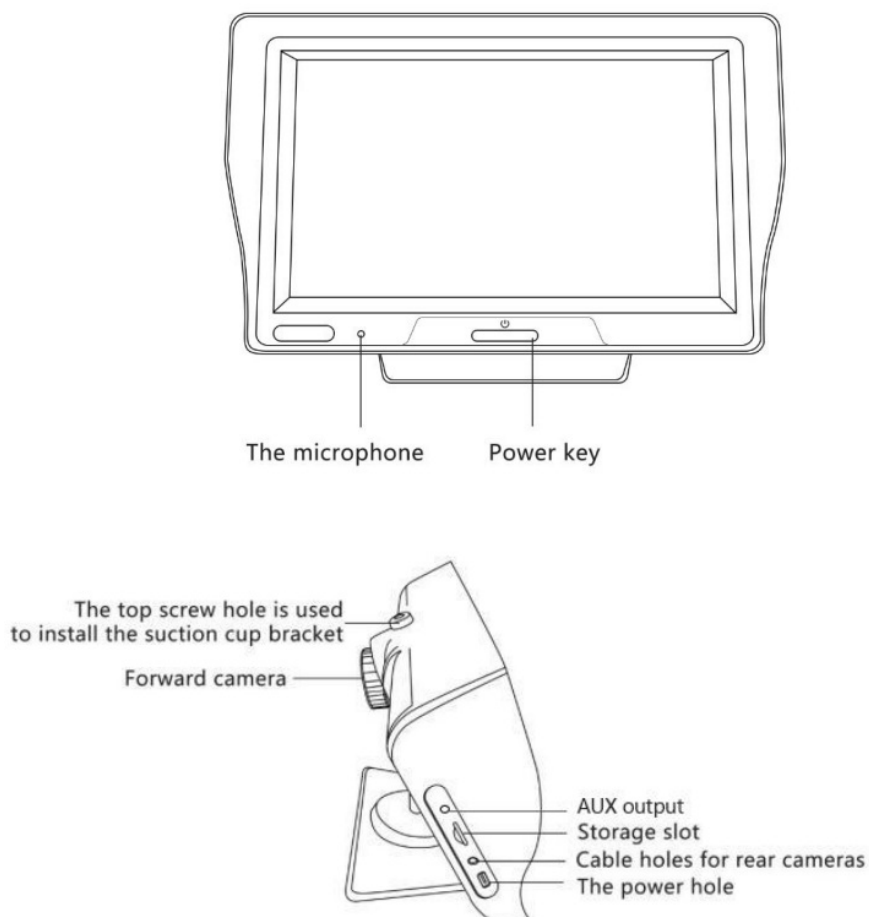
Product Composition list

| Name	Graphic	Instructions	Number
The host		7 -inch FHD display (1024'600)/ 2 -channel camera interface/touch control / Bluetooth / Wi-Fi / FM Transmitter / SD card recording / Type C interface power supply	1
The power cord		Type C power cord/ 7V-32V / 3A current / integrated cable / cigar lighter to take power	1
Pull back camera		AHD FHD (1080P)/4PIN BMW head	Optional
Pull the headphone extension cord		Pull back headphone cable / 6m /2.5mm headphone +4PIN BMW head/double shield/with reverse cable	Optional
Monitor base		To support the display and fix it on the center console	1
Monitor base		In combination with the display, attach the display to the windshield of the car	1
Stkard optional		32G Class1OSDcard	1
Camera extension cord		Rear view / 10m/BMW head/one male and one female / dual shielding /4 cores	1

Product description

Project	Function introduction	Performance indicators
System	Language	Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese
	Interface	Graphical menu operation
	Mode of operation	Touch
Video input	Video input	2 channels FHD video input
	Video mode	Default boot recording, no missing seconds
	The video format	2K H.264 video, 2 channels of video saved separately
Video display	Real-time display	7-inch HIGH-DEFINITION IPS screen, 1024 x 600
	The native playback	Local play, anytime to view
	The screen saver	Screen savers can be set to: off / I min / 5 min
Reverse display	Reverse display	Automatically switches to the rear view
	Astern line adjustment	Adjust the reversing line for various models
Smart + connected	Wi-Fi	Supports Apple Car Play and Android Auto
	Bluetooth	Support Bluetooth music playback
	FM	FM Transmitter support, connected to the car radio
The video store	SD card	CLASS10 U1 : 32GB minimum and 256GB maximum
Audio part	The microphone	Support microphone recording. menu can be set to turn off
	Voice control	Support voice control, menu can be set to turn off
Power part	The power input	The voltage drop line supports 7V-32V wide voltage and has power protection circuits such as surge, overload, overvoltage. undervoltage and short circuit
Power consumption	Two-way video	Less than 10W (screen display, 2-channel camera recording)
Other	Working temperature	-4 -149 'F
	The cooling way	Passive cooling
	The video time	Video recording duration can be set
	Channel trigger delay	Reversing signal delay can be set
	camera mirroring	The camera supports mirror display, and the menu can be set

SD card specifications

The quality of SD card has a great impact on the stability of video recording. To record video safely, use SD cards from major brands such as SanDisk, Kingston, Toshiba, and Samsung.
Speed certification must be at least Class10.
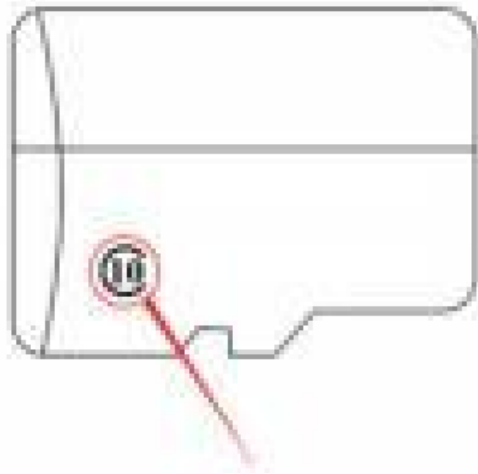
Wiring instructions

The details are as follows:

Port	Instructions
Type C interface	Monitor power supply interface
Cigarette charger	The cigarette lighter takes power directly

Camera installation

Locate the drilling hole, find the appropriate installation position in the license plate attachment, mark it with a pen and then drill the appropriate size of the screw hole. Fix the camera to the rear of the car with screws, the reversing trigger wire (red thin wire) needs to be connected to the positive pole of the reversing light, and finally use the camera extension cable to connect to the monitor. This is not necessary if you choose the version without the reversing camera.

Reverse trigger
(Connect to reverse light anode)
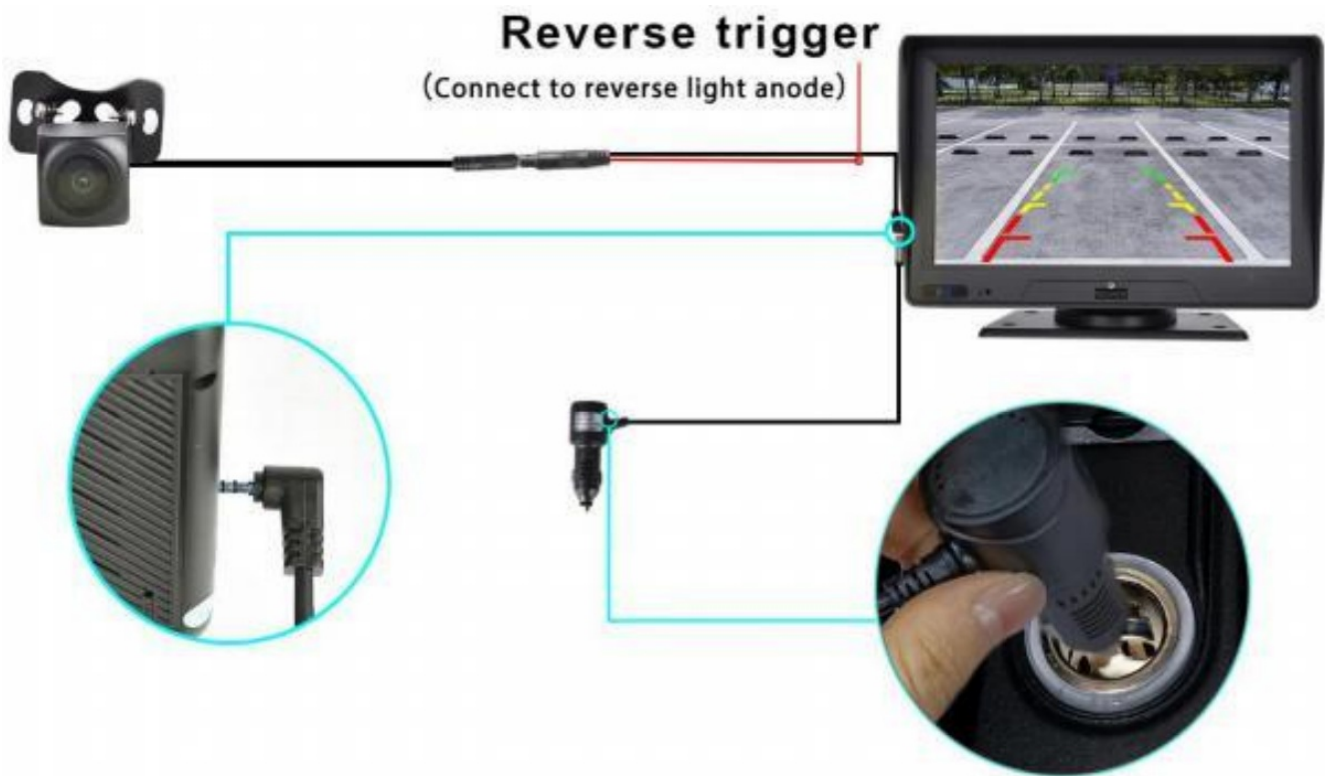
Interface Specification

1. Time and Date: Displays the current time and date
2. Home button: Click to return to home page
3. Brightness button: Click to adjust screen brightness
4. Volume button: Click to adjust the volume
5. Turn off the screen button: Click to turn off the screen, and click any position on the screen again to wake up the screen
6. Dvr: Click to enter the video recording interface

7. Apple Car Play: Special connector for iPhone

8. Android Auto: Special connector for Android mobile phone
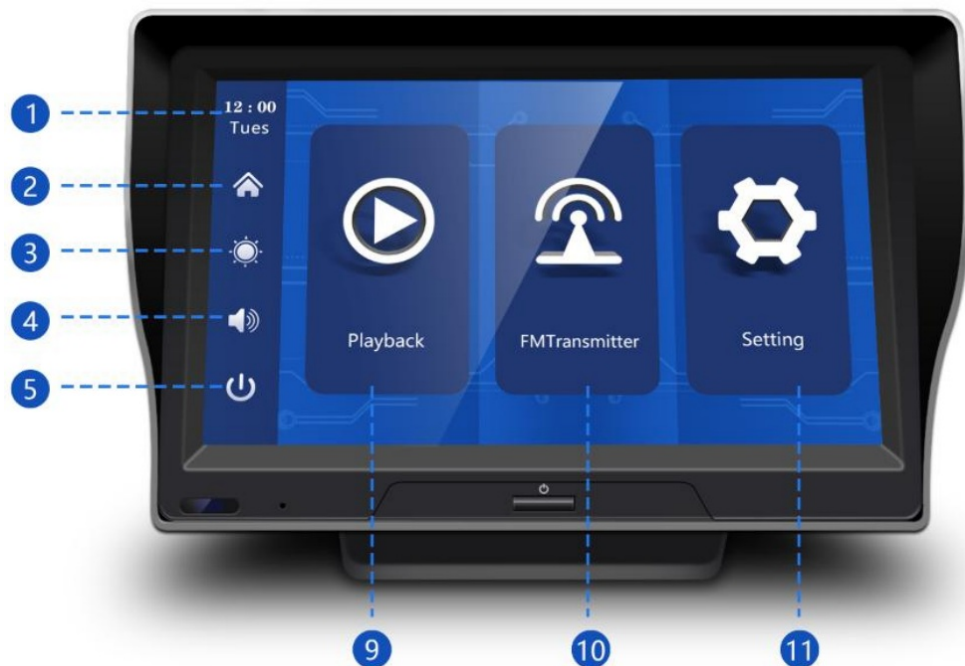
9. Playback: Tap to view a video on the video screen

10. FM Transmitter: When turned on, the device will transmit the sound to the original vehicle

11. Setting: Set system functions

A. **Dvr**

As shown in the figure above, the camera image will not be displayed in the main page, and the camera image

needs to click the Driving Monitoring button [⊙] to view. When a card is inserted, the system automatically enters the video mode, and when recorded, the small red dots in the [Driving Monitoring] button will flash.
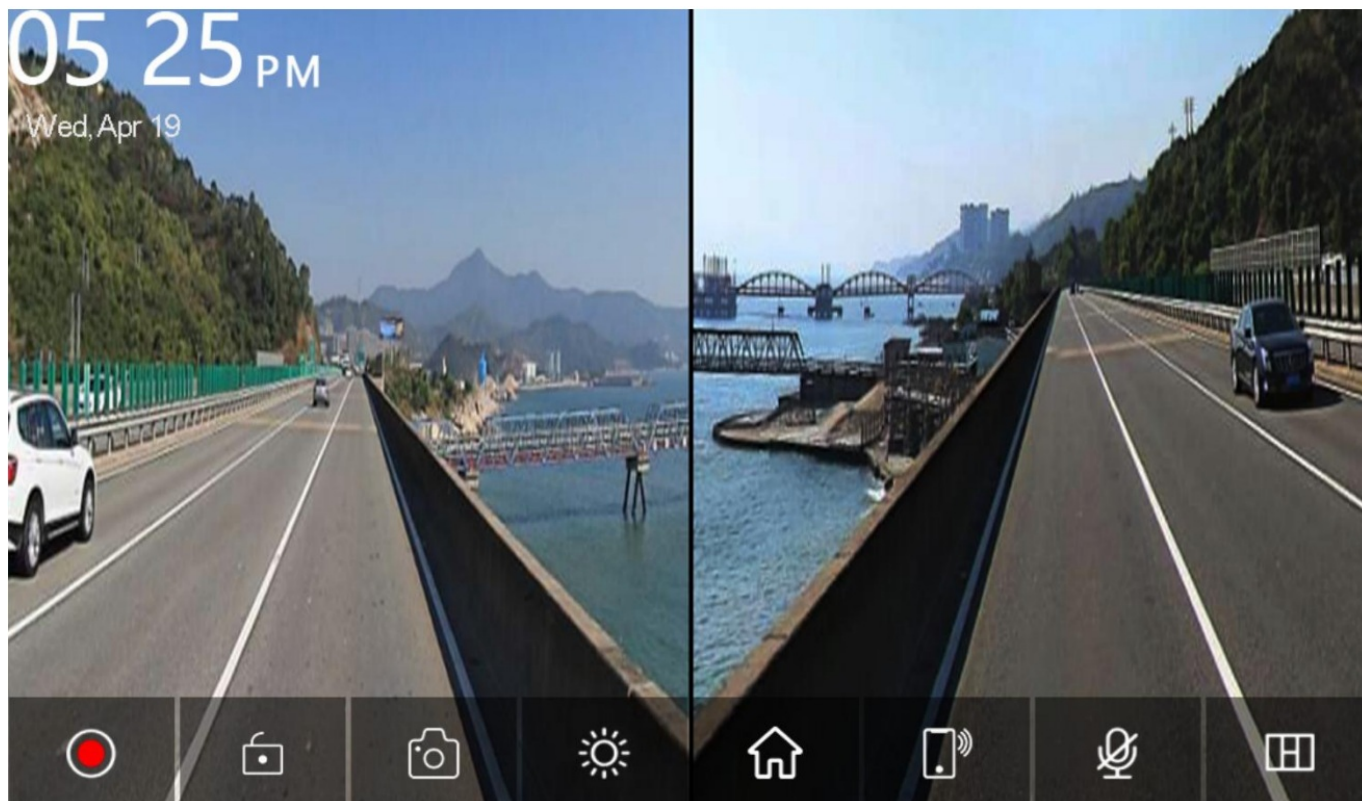
⊙		Start recording and click Close recording again.
🔒		Lock the video for a few minutes and the data will not be deleted.
📷		Click to take a photo with one click.
☀		Click to adjust the brightness of the machine screen.
🏠		Click to go back to the home page.
📱		Click to return to the mobile phone connection interface.
🎤		Turn recording sound on or off.
⊞		Click to switch the camera distribution screen.

B. Apple Car Play

Apple CarPlay

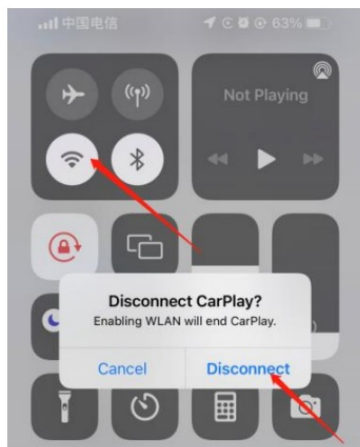As shown in the figure, click the [Apple Car Play] button to enter the Apple Car Play. Turn on the Wi-Fi and Bluetooth of the mobile phone first, then as shown in the figure below, select the [Apple Car Play] option, click the [BT Manage] option of the interface, connect Bluetooth with the phone, you can open the application. When the machine is powered on, it will try to automatically connect to the last connected phone.

(Turn off your phone's Wi-Fi to disconnect, Apple Car Play option only supports iPhone phones, Android phone please select [Android auto] option)


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How to setup:

1.Click Apple CarPlay widget on SmartScreen

2.Pair your iPhone to SmartScreen using Bluetooth: T86-1B0D90

3.When iPhone prompt "Use CarPlay with "SmartScreen"?",select "Use CarPlay"

Tips:

1.Longer waiting for the first connection

2.Only iPhone phones are supported

3. After successful connection, Bluetooth will be disconnected automatically

BT Manage

Apple CarPlay   Android Auto   Bluetooth music   Wifi Video

Note: In the drop-down menu of the mobile phone, you need to click to turn off Bluetooth first, and then click the Turn off WiFi button to disconnect. Just turn off the WiFi button alone, and the car will keep trying to reconnect.


①

②
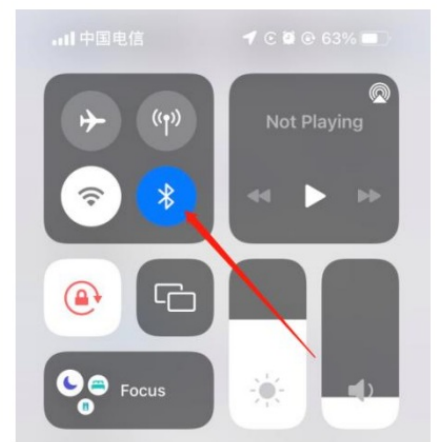
③

C. Android Auto

As shown in the figure, click the [Android Auto] button to enter the Android auto. Turn on the Wi-Fi and Bluetooth of the mobile phone first, then as shown in the figure below, select the [Android auto] option, click the [BT Manage] option of the interface, connect Bluetooth with the phone, you can open the application. When the machine is powered on, it will try to automatically connect to the last connected phone.

(Turn off your phone's Wi-Fi to disconnect)
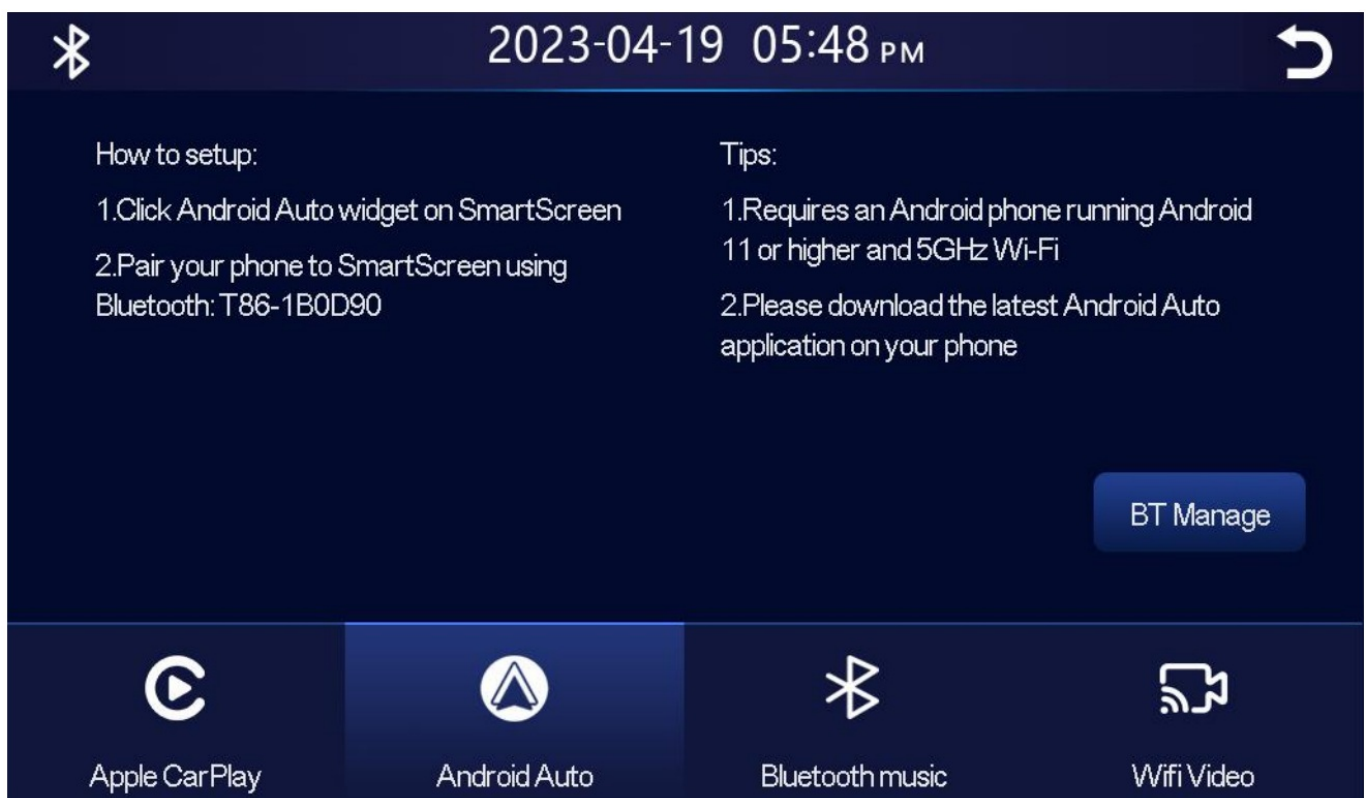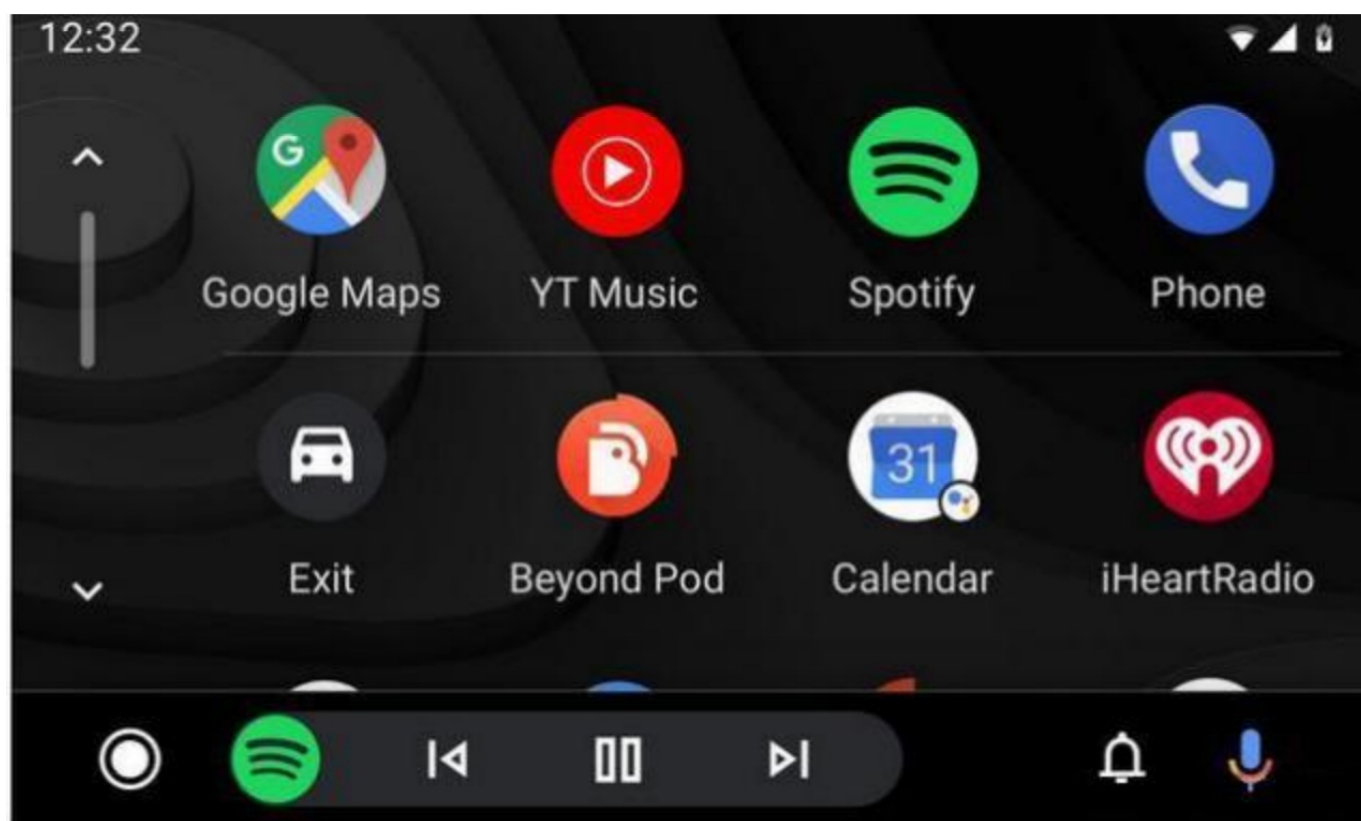
D. Bluetooth Music
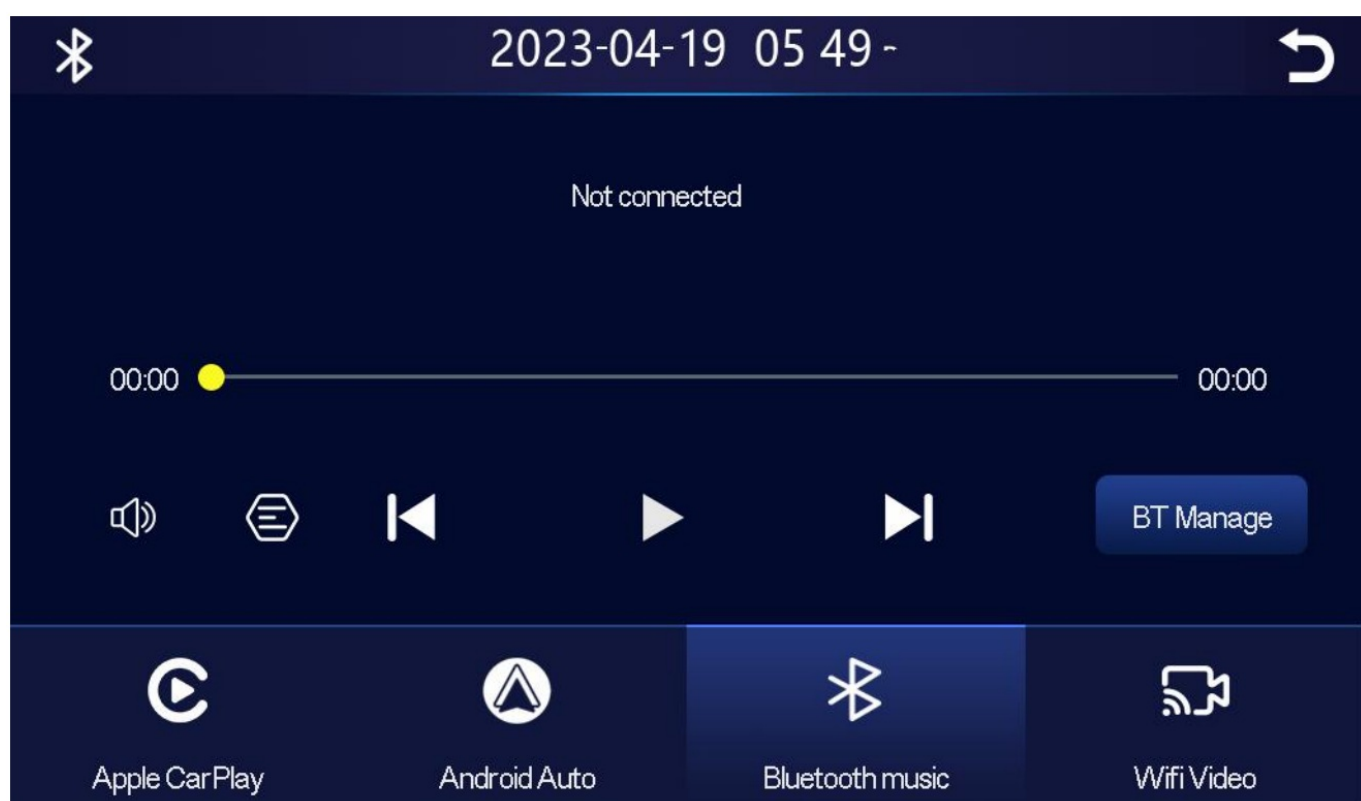
You can find Bluetooth Music by clicking the button Apple Car Play or Android Auto. Turn on Bluetooth of the mobile phone first, and select [Bluetooth Music] option. Click the [BT Manage] option on the interface to connect Bluetooth to the mobile phone and start playing music.

The buttons correspond to Last, Play / Pause and Next, respectively.

Click on the Lyrics button [] to display the lyrics. Click the Volume button [] to adjust the volume. (Some mobile music player apps do not support displaying lyrics)

E. Bluetooth
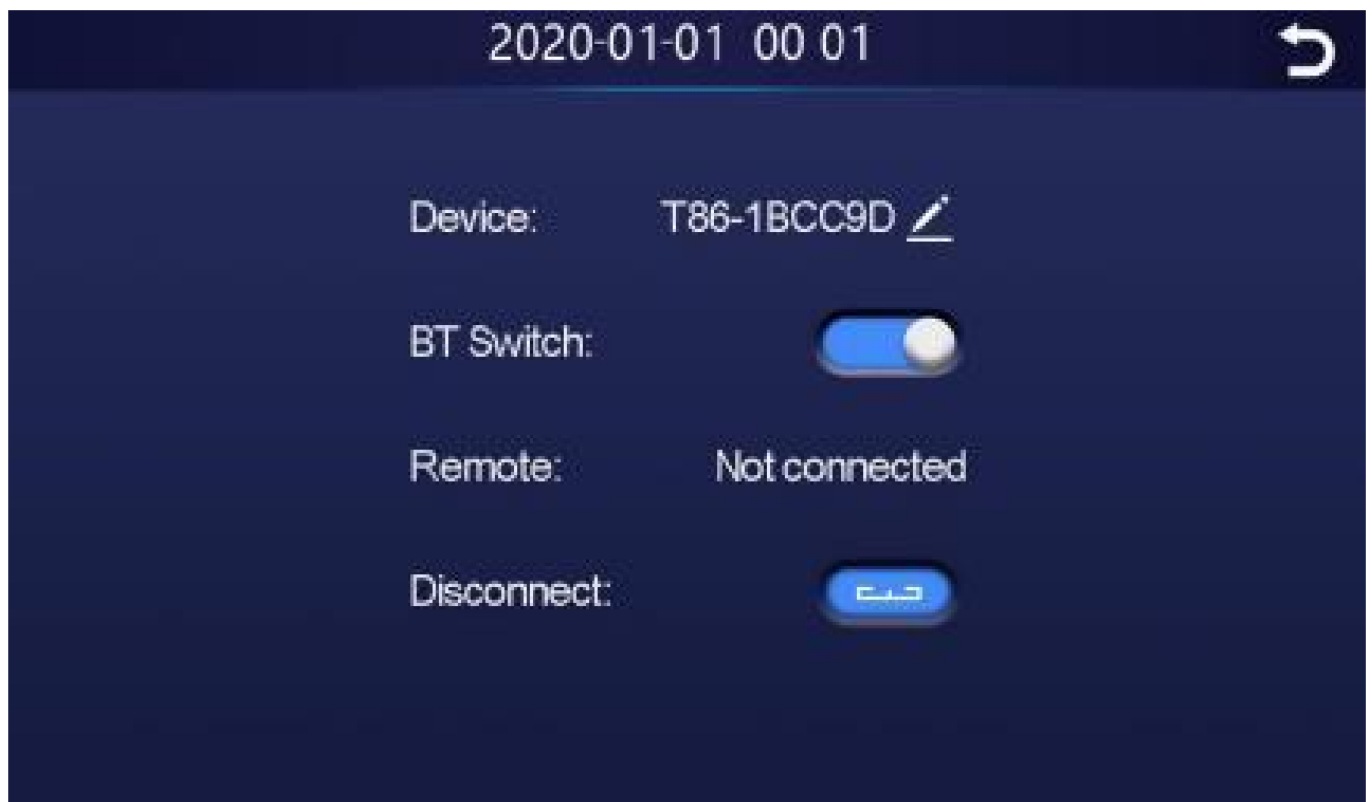
As shown in the figure above, click the Bluetooth button [] to switch on the device after entering the Bluetooth interface.

The page will display the device name, such as: T86-1BCC9D, and click the Modify button [] to modify the Bluetooth name of the device.
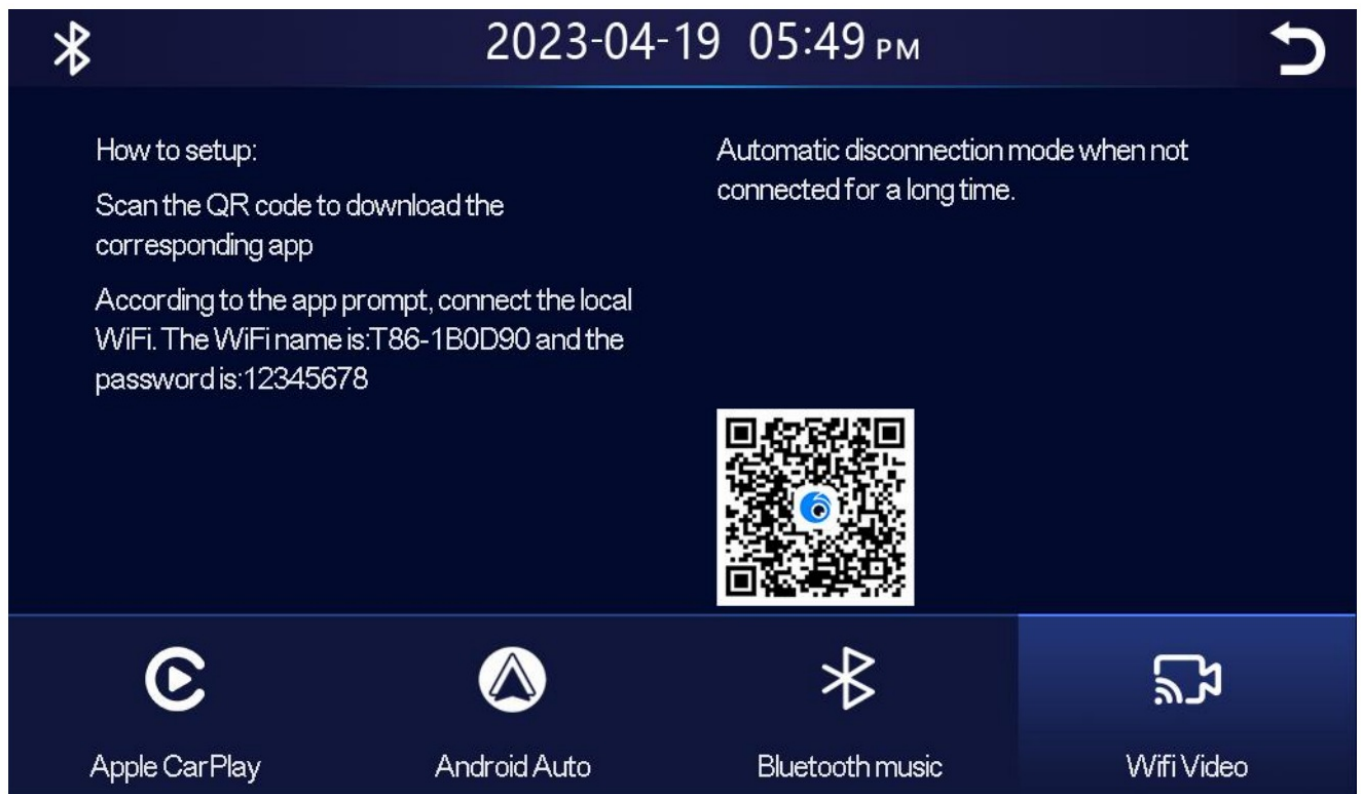Select the device name with Bluetooth, and the remote device name of the phone will appear after successfully connecting.
At this time, you can play mobile phone music and other functions.
After connecting to Bluetooth, you can use the call function:

Click the Disconnect button [] to actively disconnect the Bluetooth.

F. WiFi video

As shown in the figure above, first scan the QR code to download the corresponding APP.
After downloading, open the APP, and follow the APP prompts to connect to the WiFi of the machine. WiFi name: T86-XXXXXX, password as shown on the machine.
(Turn off the mobile phone WiFi key to disconnect)

G. Playback
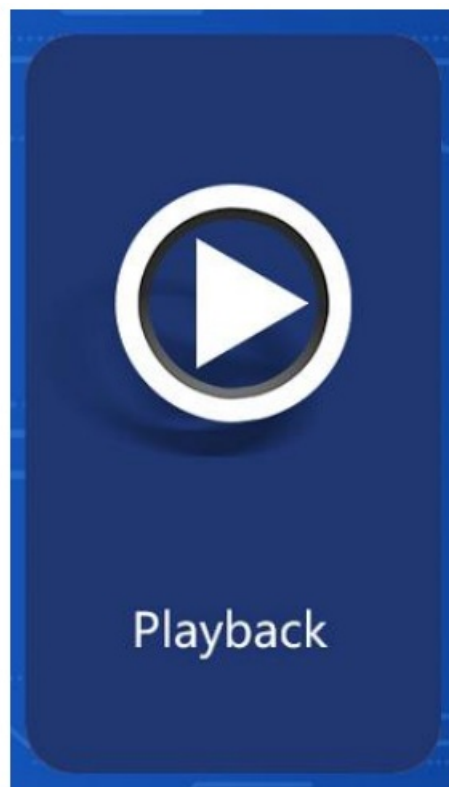
As shown in the figure above, swipe the home page to view the next page options and click the [Video Playback] button on the second page to enter the video playback interface.

Click the Menu button [⊟] in the top left corner to view the video or parking surveillance video.
The lower left corner buttons correspond to: "Play / Pause" and "Next paragraph" respectively.

[▶ ▶|] Click the Return button in the top right corner [↺] to return to the main interface.
Slide the volume bar in the lower right corner to adjust the volume.

H. Audio output
As shown in the figure, click the [Audio Output] button to enter the audio output selection interface.
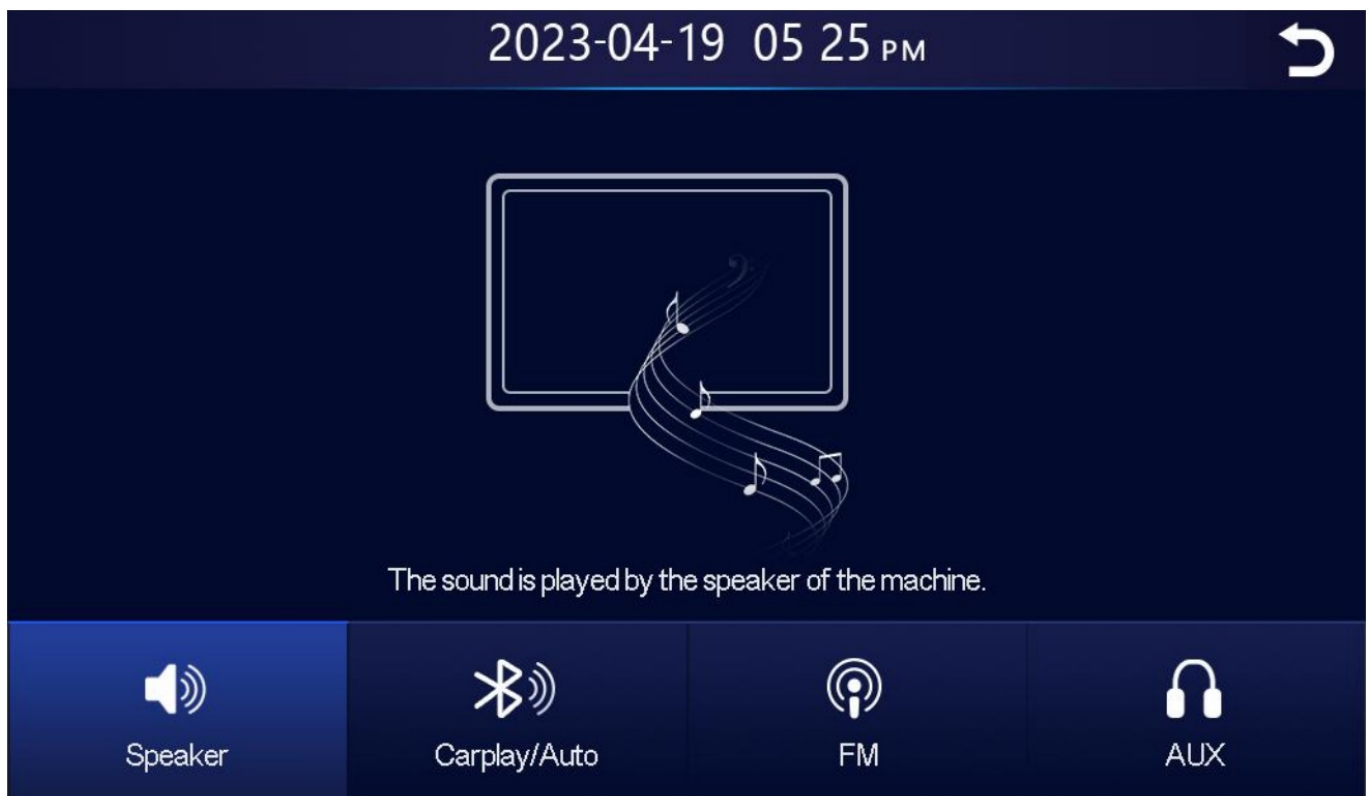
① Speaker : The sound will be played from the speaker of the smart screen.

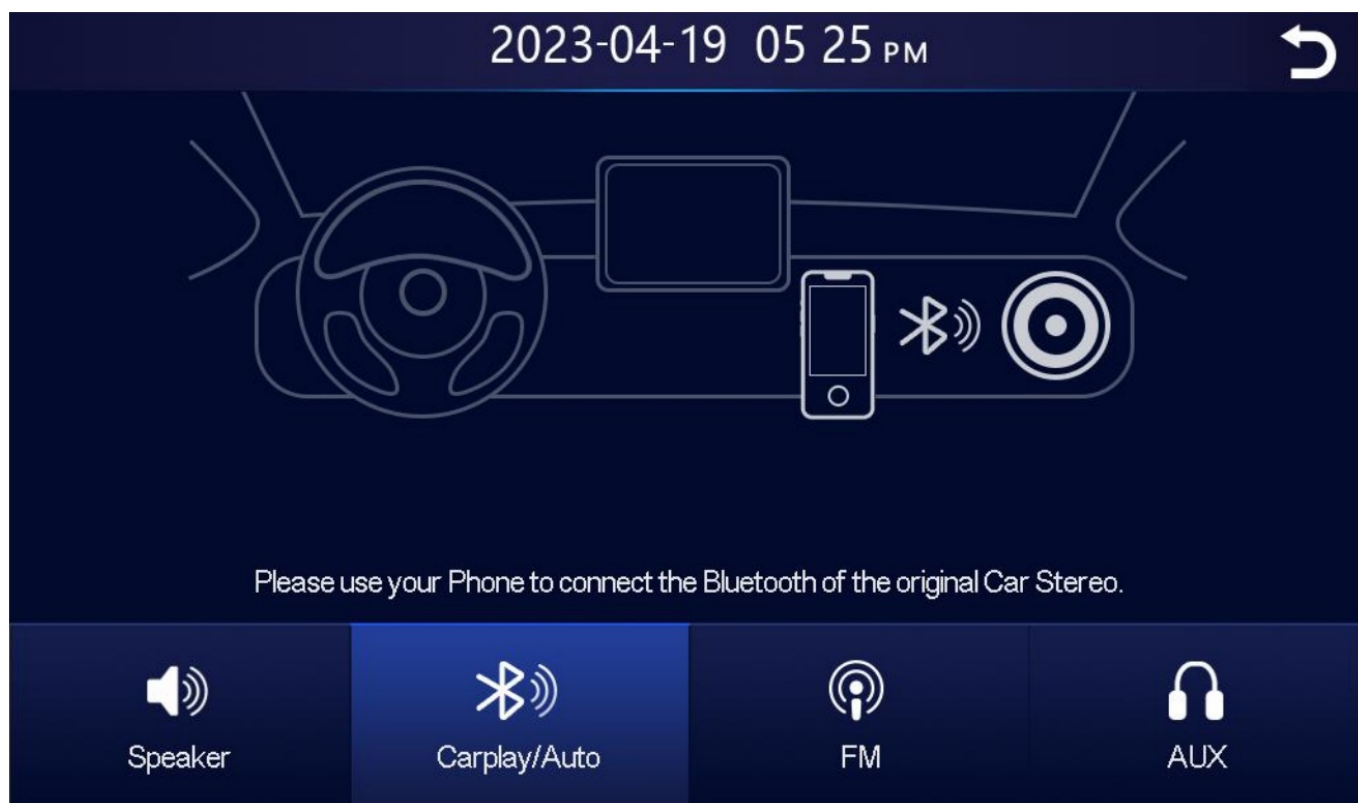② Carplay/Auto : Select this mode, and then connect to Apple CarPlay or Android Auto to cast the screen, you can use the phone's Bluetooth to directly connect to the original car's Bluetooth. After the connection is successful, all sounds from the device will be transmitted to the original car speakers via Bluetooth.

After selecting this mode, the volume icon will change to the Bluetooth transmission icon , and the volume cannot be adjusted on this device, so the volume must be adjusted on the original car.
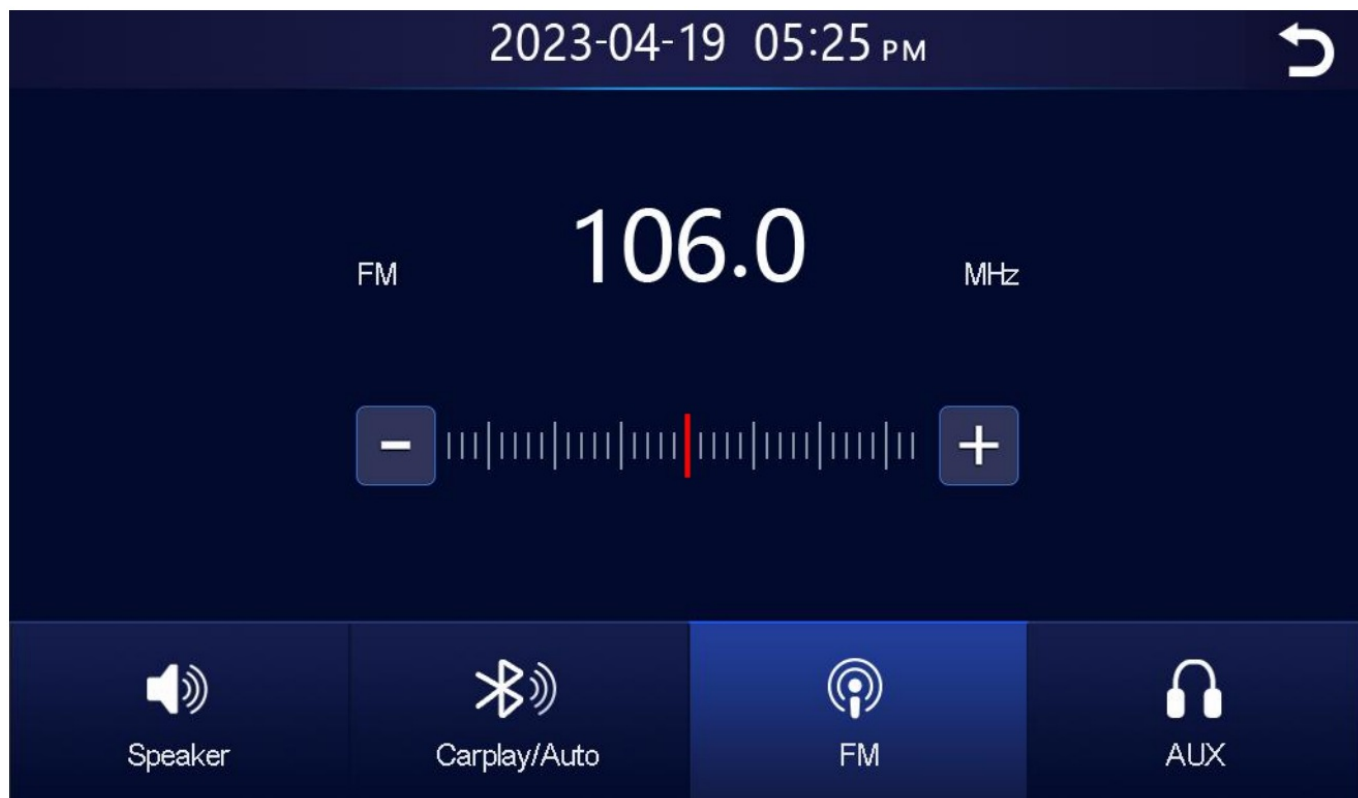
③ FM : After selecting this mode, the FM transmission mode will be turned on by default.

For example, if the device's FM transmit band is tuned to FM 106.0 MHz (any unoccupied channel can be used), the car radio will also tune its receive band to the same FM 106.0 Hz. After the connection is successful, all the sounds of the device will be transmitted to the original car speakers through FM transmission.
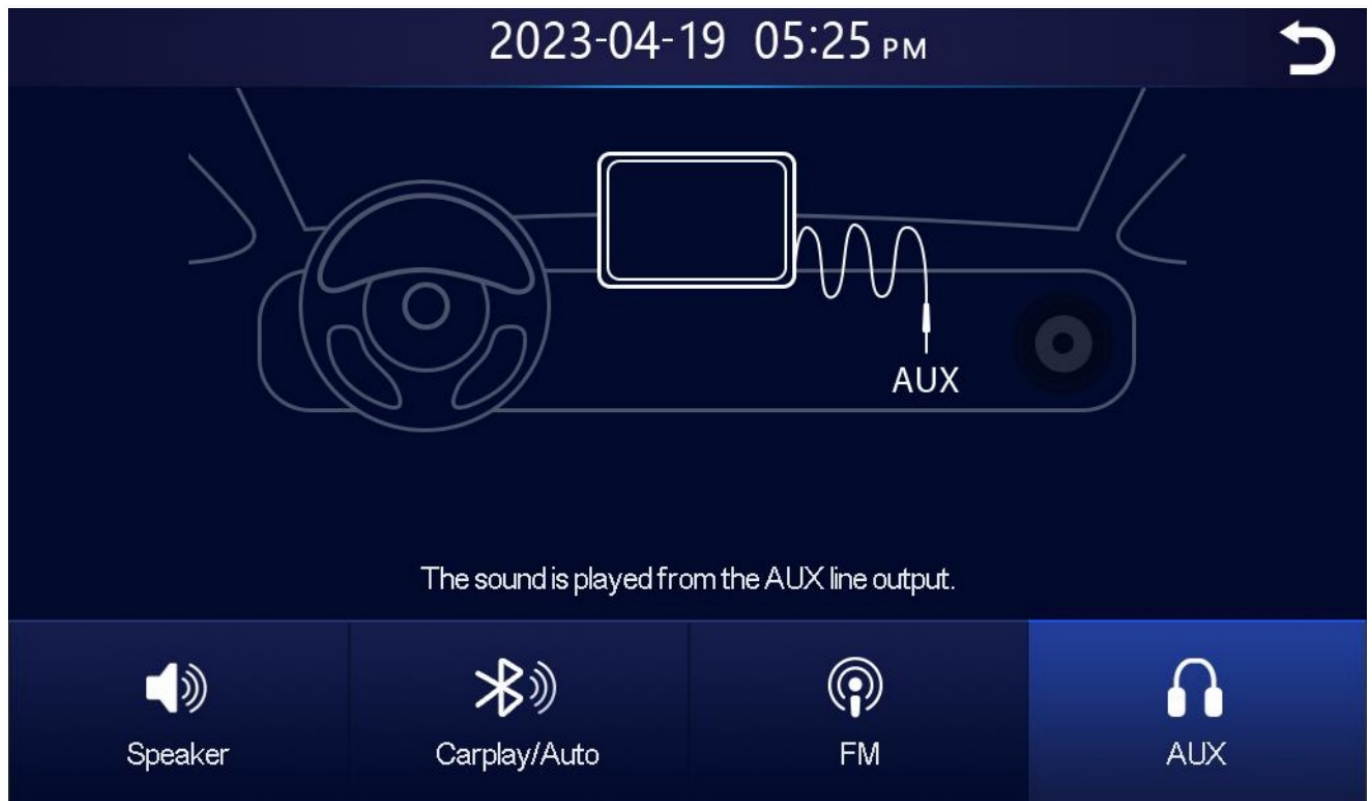
After selecting this mode, the volume icon will change to an FM transmission icon , and the volume cannot be adjusted on this device, so the volume must be adjusted on the original car.

(Not using the original power cord may result in deterioration of the FM transmission signal or loss of function.)

④ AUX : After selecting this mode, the AUX output mode will be turned on by default. Use the AUX sound source cable to connect the smart screen to the original car. After the connection is successful, all the sounds of the device will be transmitted to the original car speakers through the AUX sound source cable for playback.

After selecting this mode, the volume icon will change to the AUX output icon , and the volume cannot be adjusted on this device, so the volume must be adjusted on the original car.

I. Setting

As shown in the picture, slide the main page to view the options on the next page, and click the [Setting] button on the second page to enter the setting interface.

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HD
Record resolution

Split time

Microphone

Image mirror

Time lapse video

Date & time

Reverse setting

Screen saver

Voice control

Driving Position

Language

Storage info

Format

Factory reset

Firmware version

Icon	specification

|	
Record resolution `HD`	Click to enter the Record resolution settings: Resolution selection: 720P+720P / 1080P+1080P / 2.5K+1080P
Split time	Click [Split time] to enter the setting of the video segmentation time: Video segmentation time is optional: 2 minutes / 3 minutes / 5 minutes. The system defaults to 3 minutes.
Microphone	Click [Microphone] to enter the settings: You can choose to close or open.
Image mirror	Click [Image mirror] to enter the settings: You can choose to close or open. This option makes it easier for customers to install the camera flexibly.
Parking monitor (not required)	See the instructions below.
Date & time	Click [Date & time] to input settings: Individual settings: Year/month/day/hour/minute/second/time format
Reversing control	See the instructions below.
Screen saver	Click [Screen saver] to enter the settings: Screen savers can be set to: Turn off / 1 min / 5 min When set for 1 or 5 minutes, the system operates for no corresponding time, and the screen will automatically extinguish. After entering the screensaver, then press the power power button to light up the screen.
Voice control	See the instructions below.
Language	Click [Language] to enter the settings: Language can be set up: Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese
Storage Information	Click [Storage Information] to enter the menu: You can view the information of the SD card. The former item indicates the remaining available capacity, and the former item indicates the total capacity.
Format	Click [Format] to enter the settings: This option formats all data information inserted. It is recommended to manually form format the first insert SD card to ensure sufficient card capacity. Note: It is recommended that users manually format the SD card regularly.
Reset factory	Click [Reset factory] to enter the Settings: Restore the factory settings, and you restore all the settings to the initial state.

Ver Firmware version	Click on [Firmware Version] to enter the menu: This option is available in the current basic version for easy confirmation.

A. Voice control:
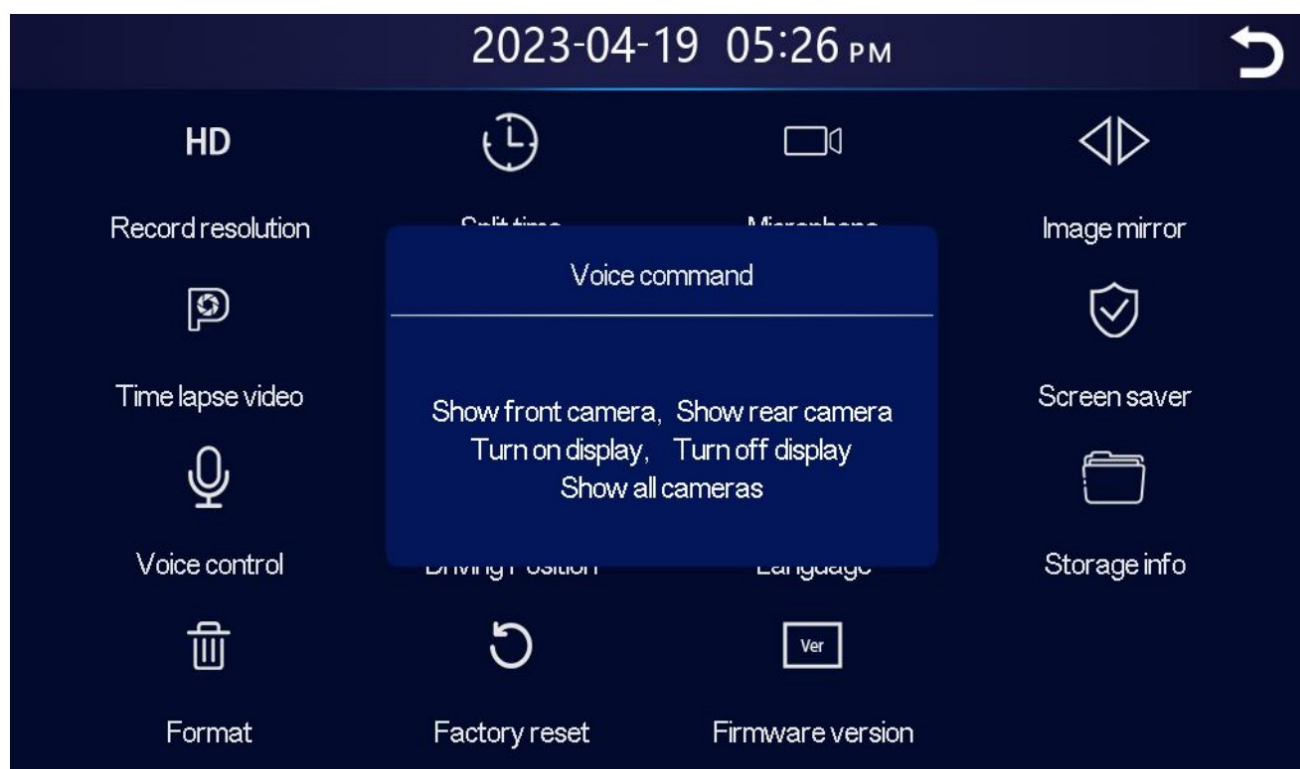
There is no need to touch the screen by hand, and the corresponding operation can be realized only by voice command.

Opening method: setting – voice control – clicking anywhere – opening voice control speaking command language can realize corresponding operations.
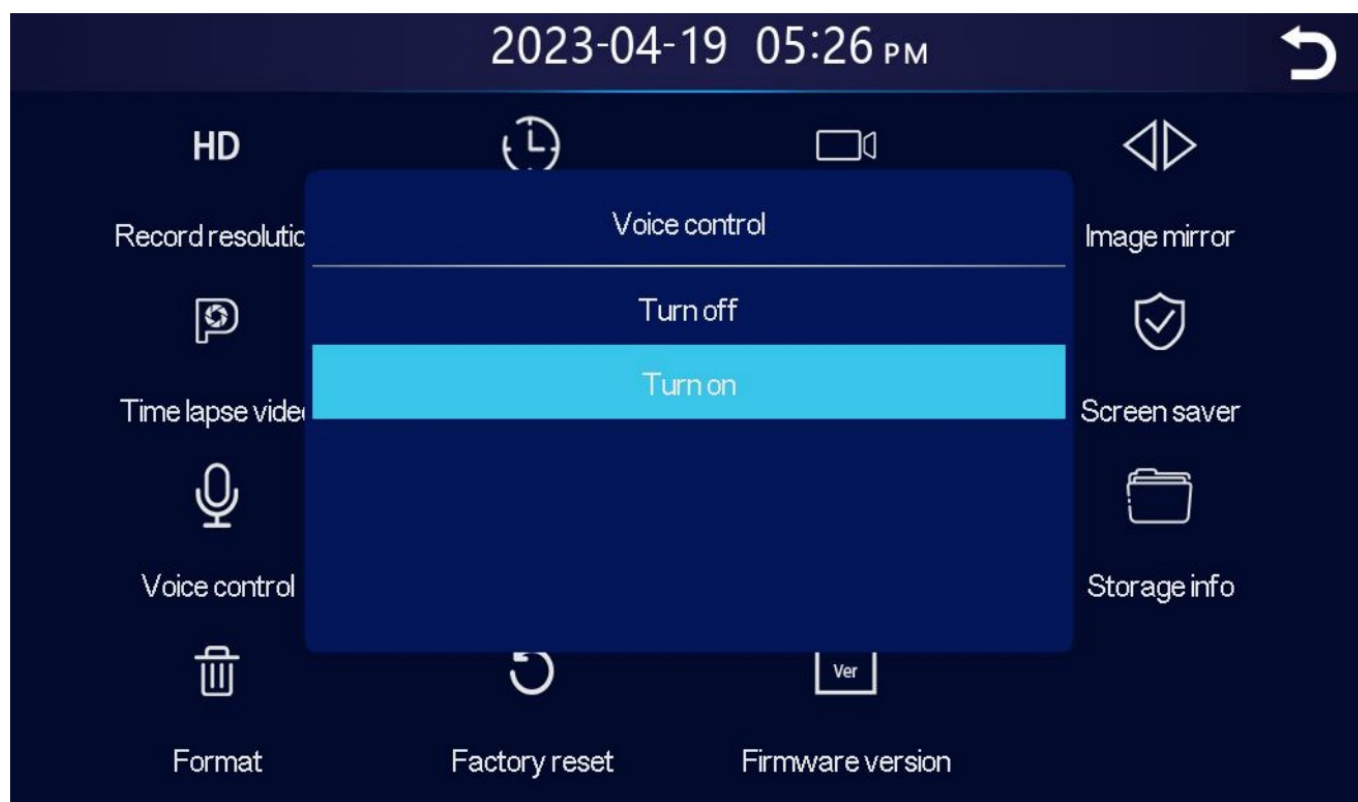
The following commands are supported: Show front camera / Show rear camera / Turn on display / Turn off display / Show all cameras

B. Reversing Control:

Click on [Reversing Control] to enter the settings:
The reversing line has two options: Close / Open
Close: The reversing assist line is not switched on at any time.
Reverse assist line is optional: single screen display / multi-screen display

Click [Calibration] to enter the settings:

Park the car in the middle of the parking space.

 Manually drag the left, adjust the position of the reversing assist line up, left and right, so that the reverse assist line is horizontal to the parking line on the left of the ground.

 Then drag the right side by hand, adjust the position of the reversing assist line up, down and down, so that the reverse assist line is horizontal to the parking line on the right side of the ground.

After adjusting the reversing line, click [confirm] to save the calibration.
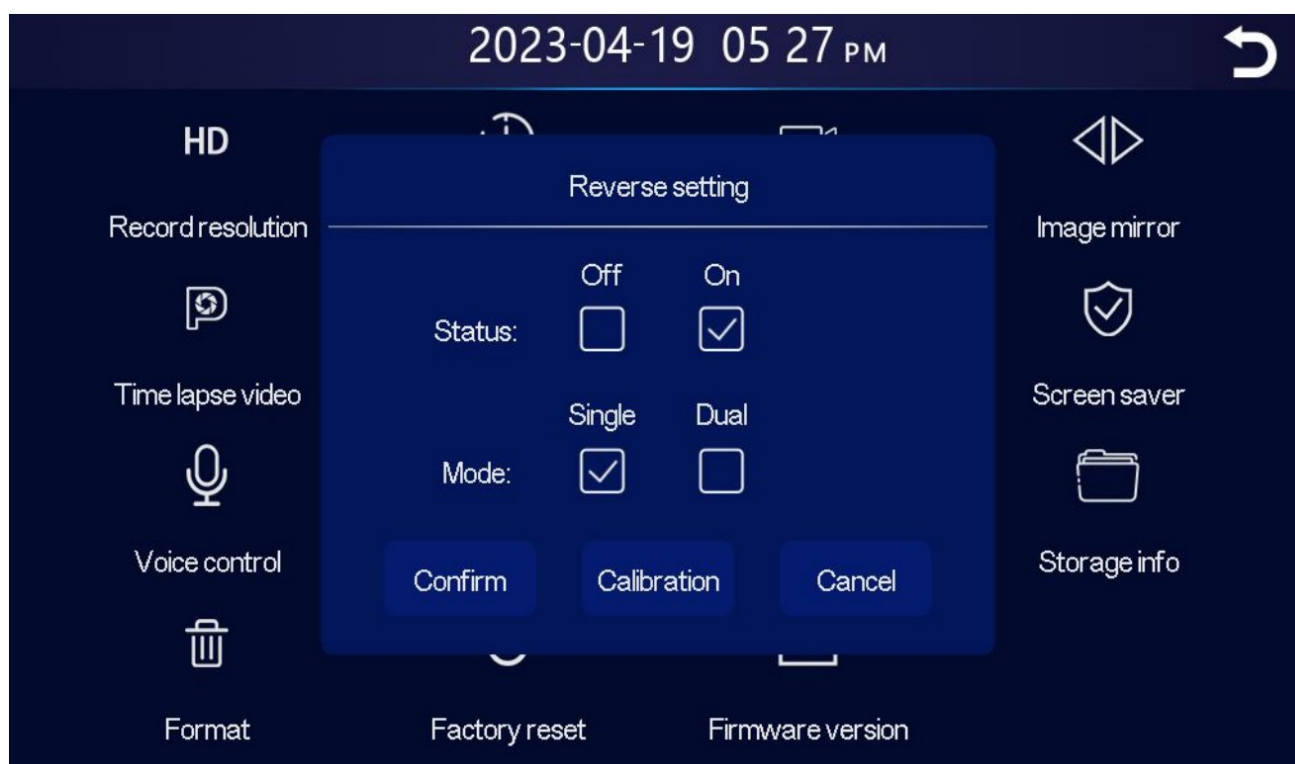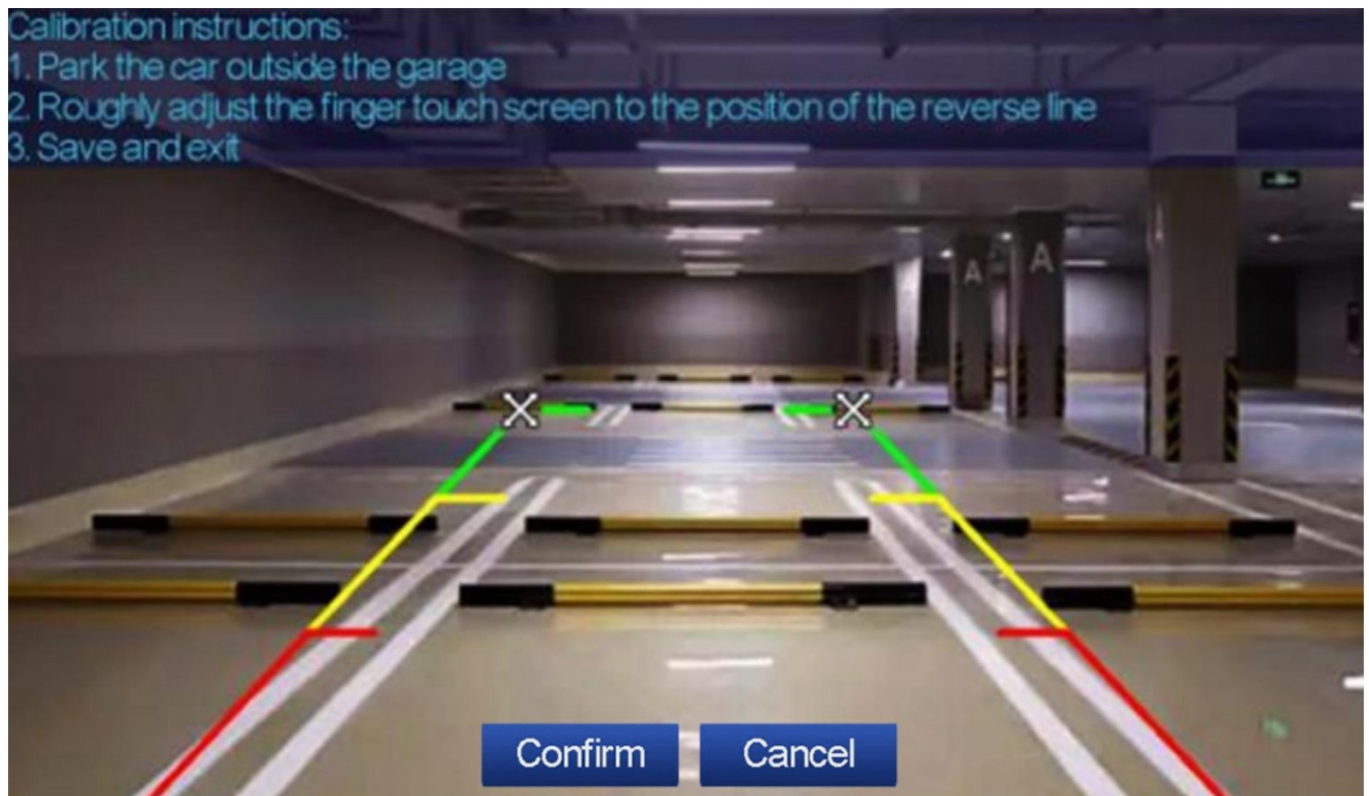
C. Time lapse video

In the settings, click the "time lapse video" option, you can choose "off", "12 hours", "24 hours" (default off). After selecting the monitoring time for 12 hours or 24 hours, when the car is turned off (ACC is disconnected), the system will turn off the screen after a five-second countdown to reduce power consumption and enter monitoring. The system cannot do anything at this point unless the car is re-ignitioned (ACC powered). Manually touch the screen to light up the screen display, the system will prompt "parking monitoring, shut down later".

In the settings, if the "time-lapse video" function is selected to "off", after the car is turned off (ACC is disconnected), the system will enter the normal shutdown process, and will not enter the parking monitoring function;

"Time-lapse video" is continuous shooting at the speed of one frame per second, taking up very little space. But then it will play at 30 frames per second, so there will be a 30 times faster visual effect.

Note: And this function needs to be connected to a normal power supply in order to use it normally!

Troubleshooting

Item	Problem	Solution
1	Unable to start T86DVR supports 7V-32V car use, high voltage cannot be used)	1 Check whether the DC head of the cigarette lighter power cord is damaged or aging. 2 Check whether the fuse of the power plug is disconnected or burned.
2	No touch phenomenon	1 Touch is invalid during power-on, wait for normal power-on before operation. 2 Check whether the touch is damaged, do not touch the screen with sharp objects, it is easy to scratch and damage.
3	The rear view camera has no image	1 Buy the manufacturer's matching rear-view camera before it can be used. 2 Whether the AVIN interface is inserted to the bottom. 3 Check if the camera format matches
4	Machine heat, jam phenomenon	1 Avoid direct sunlight or exposure to sunlight during use. The normal operating temperature of T86DVR is -4 — 149 °F. After disconnecting the power supply, the temperature of T86 will be lower than 149 °F and work normally.
5	Car play cannot connect	1 The first connection takes a little longer. 2 Only iPhone supports Car play. 3 Check that the WiFi and Bluetooth functions of the mobile phone are normal. 4 Enter Settings – General -Car play vehicle, delete all records and reconnect. 5 Restart the iPhone and reconnect it.
6	Android Auto cannot connect	1 Only Android phones are supported. 2 Update Auto and related applications on mobile phones to the latest version. 3 Do not enable VPN on the mobile phone. 4 Check that the WiFi and Bluetooth functions of the mobile phone are normal. 5 Restart the Android phone and connect it again.
7	The bluetooth music	1 Please set the screen casting mode to Bluetooth music. Other modes do not support Bluetooth music.

Reminder: Please ensure that there is no obstruction between the mobile phone and the device, and the Wi-Fi / Bluetooth signal communication is smooth, otherwise the product functions cannot be used smoothly.

Product parameters

Name	T86DVR
Master	High-performance SOC
Wireless system	Wireless Car play, wireless Android Auto
Screen	7 inch IPS materia1,1024*600 resolution
Storage expansion	SD 256G Class10
Wireless module	Wifi, BT, FM Launch module
Camera	Front and rear dual cameras
Built-in speaker	2 W speaker
FM launch	Adjustable frequency 87MHz-108MHz
Reverse image	Automatic reversing video display
Operating Voltage	7V-32V Adaptive
Working power	5-15W
Size	182*116*66mm
weight	Approximately 300g including bracket
Material	ABS/PC

Documents / Resources

ossora T86DVR 7 Inch Smart Screen Player [pdf] User Manual
T86DVR 7 Inch Smart Screen Player, T86DVR, 7 Inch Smart Screen Player, Smart Screen Player, Screen Player, Player