T86B 6.25 Inch Smart Screen Player

Product specification

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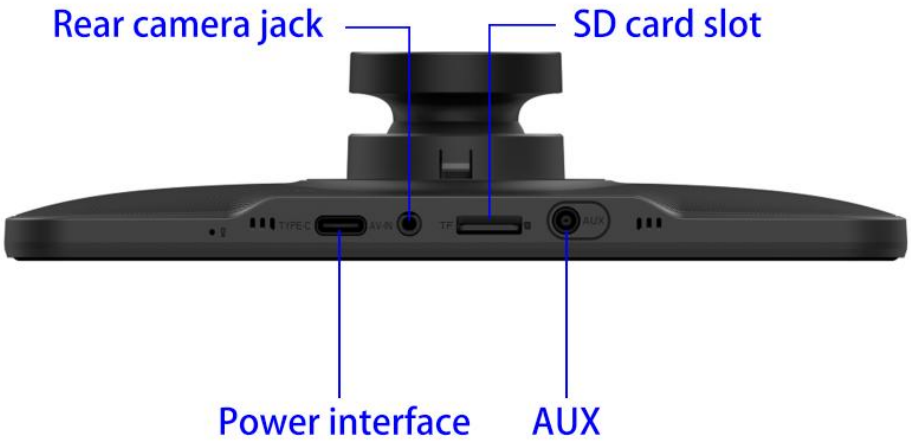
1. Product overview

The T86B 6.25 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.



2. Product composition list

Name	Graphic	Instructions	Number
The host		6.25 inch high-definition display (1560X720) / Touch control / Bluetooth / WiFi / Audio output / Type C interface power supply	1
The power cord		Type C power cable / 12V-24V /3A current / integrated line/cigarette lighter	1
Pull back camera		AHD FHD (1080P)/4PIN BMW camera	1
Pull the headphone extension cord back		Pull back headphone cable / 6m /2.5mm headphone +4PIN BMW head/double shield/with reverse cable	1
SD Card （Optional item）		32G ≤ SD card ≤ 256G （Class10）	1
Monitor base		To support the display and fix it on the center console	1

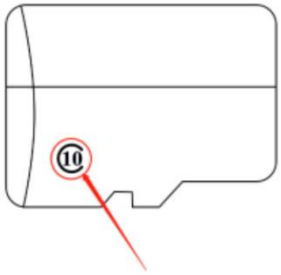
Camera extension cord		Rear view / 10m / BMW head / one male and one female / dual shielding / 4 cores	1

3. 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 video input
	Video mode	Default boot recording, no missing seconds
	The video format	4K H.264 video, 2 channels of video saved separately
Video display	Real-time display	6.25-inch high-definition IPS screen, 1560X720
	The screen saver	Can be set to: Turn off / 10 seconds / 30 seconds / 1 minutes
Reverse display	Reverse display	Automatically switches to the rear view
	Astern line adjustment	Adjust the reversing line for various models
Smart Internet	WiFi	Supports CarPlay, Android Auto, Airplay, Android Cast, WiFi video
	Audio emission	Support local speaker playback, BT Audio, FM, AUX
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
Power part	The power input	The step-down line supports a wide voltage range of 7-32V, and has car-grade anti-surge, anti-reverse connection and other power protection.
Power consumption	Two-way video	Less than 10W (screen display, 2-channel camera recording)
Other	Working temperature	-4 ~149 ℉
	Back-channel mirroring	Rear camera screen support mirroring display, menu can be set up

4. 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.



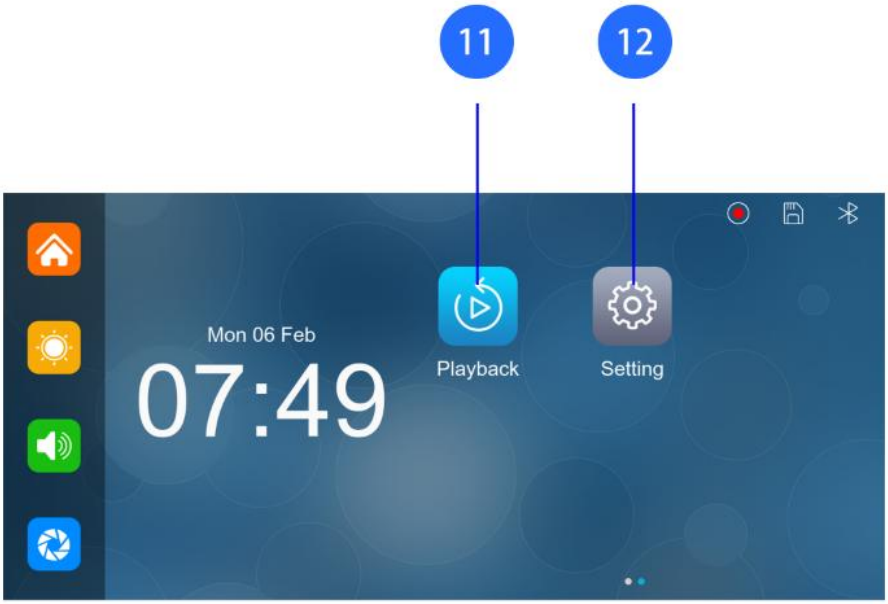
5. Wiring instructions

serial number	interface	illustrate
1	Type C interface	Motherboard power supply interface
2	Cigarette lighter	Cigarette lighter takes electricity directly; Note: Please use the standard cigarette lighter. If you don't use our original charger, you need to buy a high-quality cigarette charger that meets the standards, otherwise it is easy to damage the machine or cause other injuries due to insufficient voltage and heat, and the FM transmission function will not work properly.

6. Camera installation

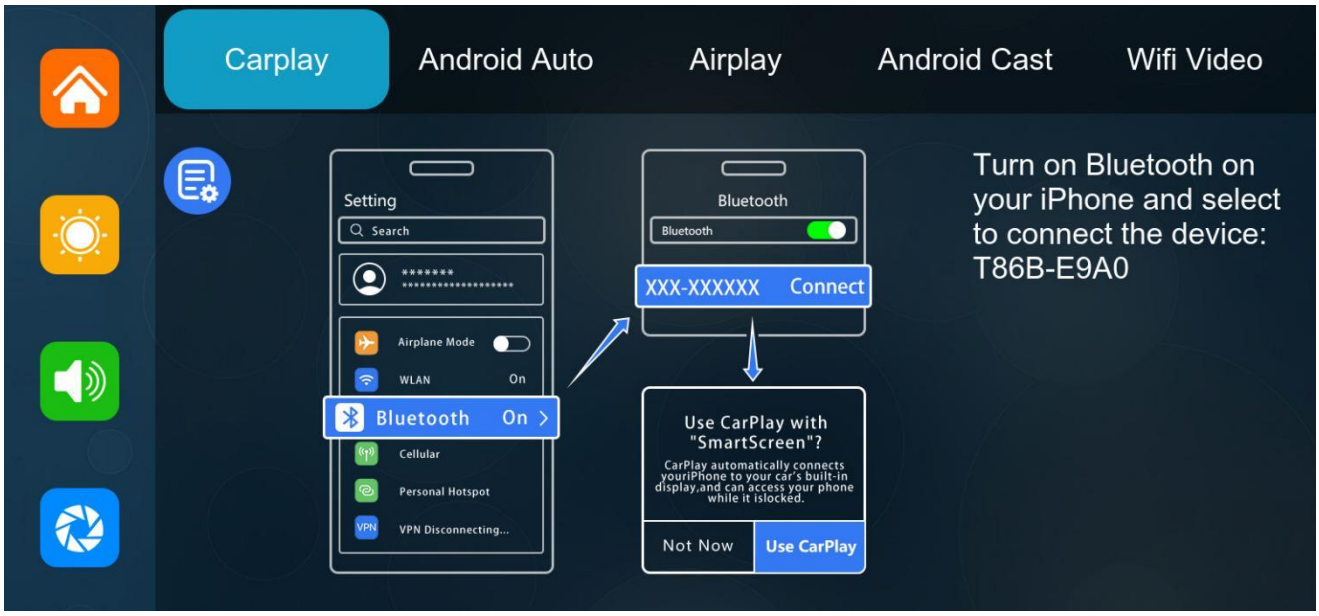
Locate the drilling hole, find the appropriate installation position in the license plate attachment, mark it with a pen and then drill the appropriate size of the screw hole. Fix the camera to the rear of the car with screws, the reversing trigger wire (red thin wire) needs to be connected to the positive pole of the reversing light, and finally use the camera extension cable to connect to the monitor.

7. Interface specification

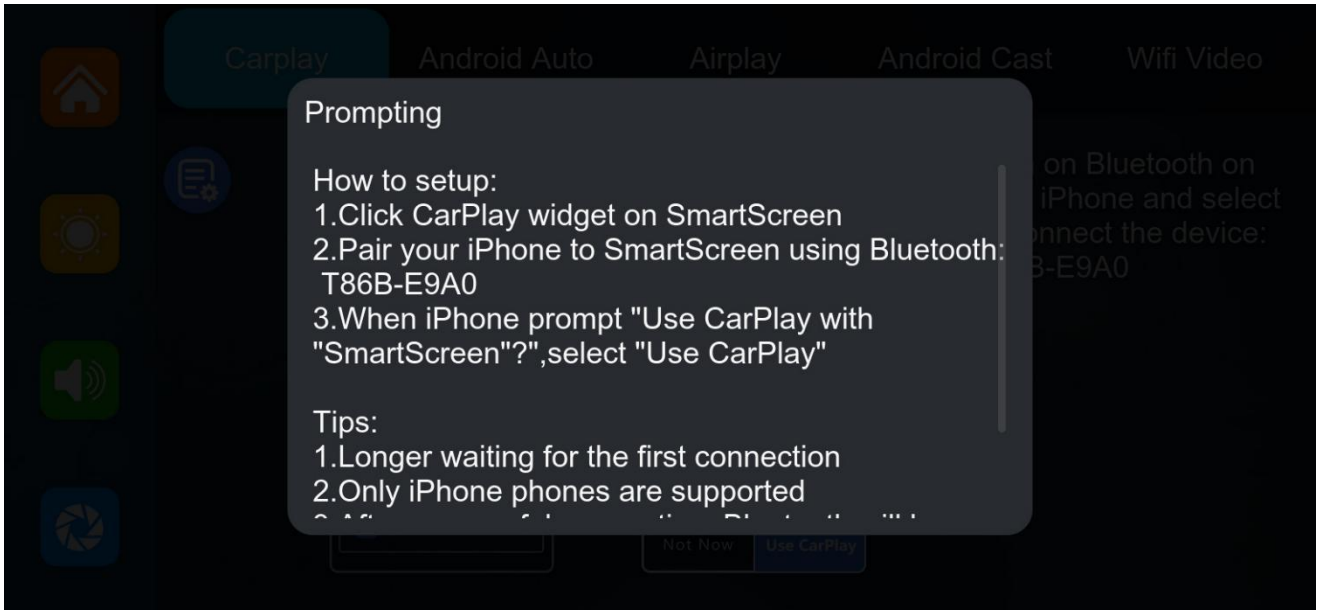


1. **Home button:** Click to return to the main interface of the smart screen
2. **Brightness button:** Click to adjust the brightness of the screen
3. **Volume button:** Click to adjust the volume
4. **DVR:** Click to view the camera screen
5. **CarPlay:** dedicated car screen projection program for Apple mobile
6. **Andorid Auto:** a dedicated car screen projection program for Android phones
7. **Airplay:** Special connector for iPhone
8. **Andorid Cast**: Android phone can mirror screen
9. **WiFi Video:** Click to enter the connection interface, the mobile phone can view the recorded files in real time.
10. **Audio output:** Click to select the sound playing mode
11. **Playback:** Click to view recorded videos
12. **Settings:** Click to enter the function setting interface

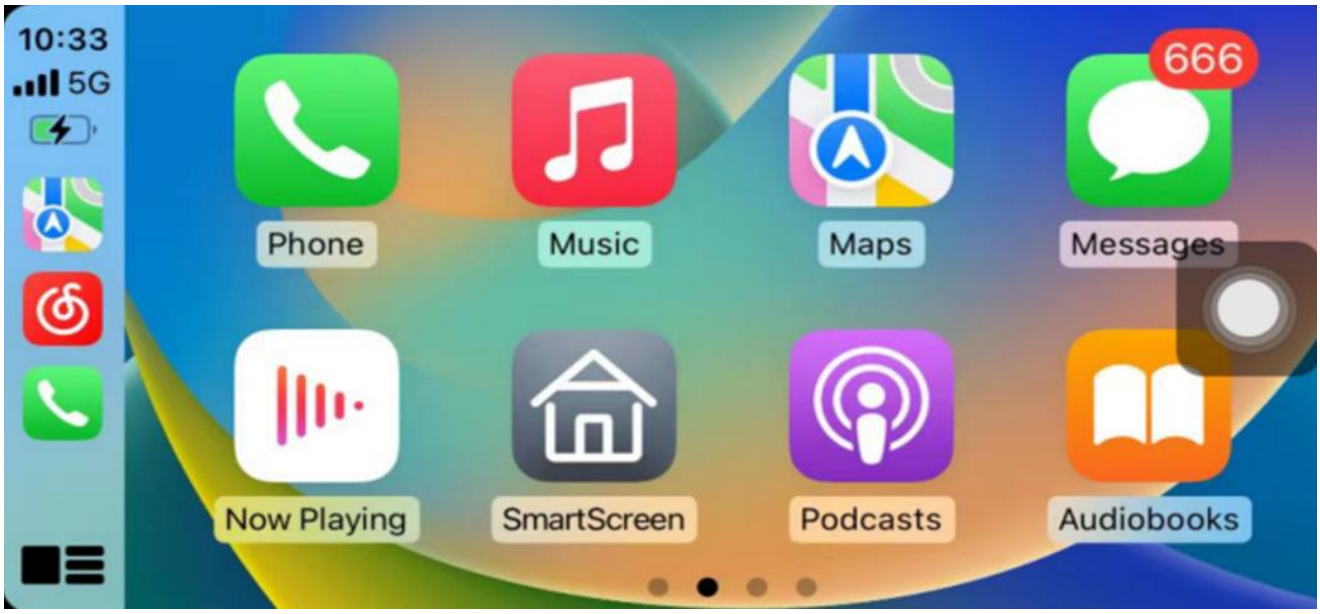
A. CarPlay



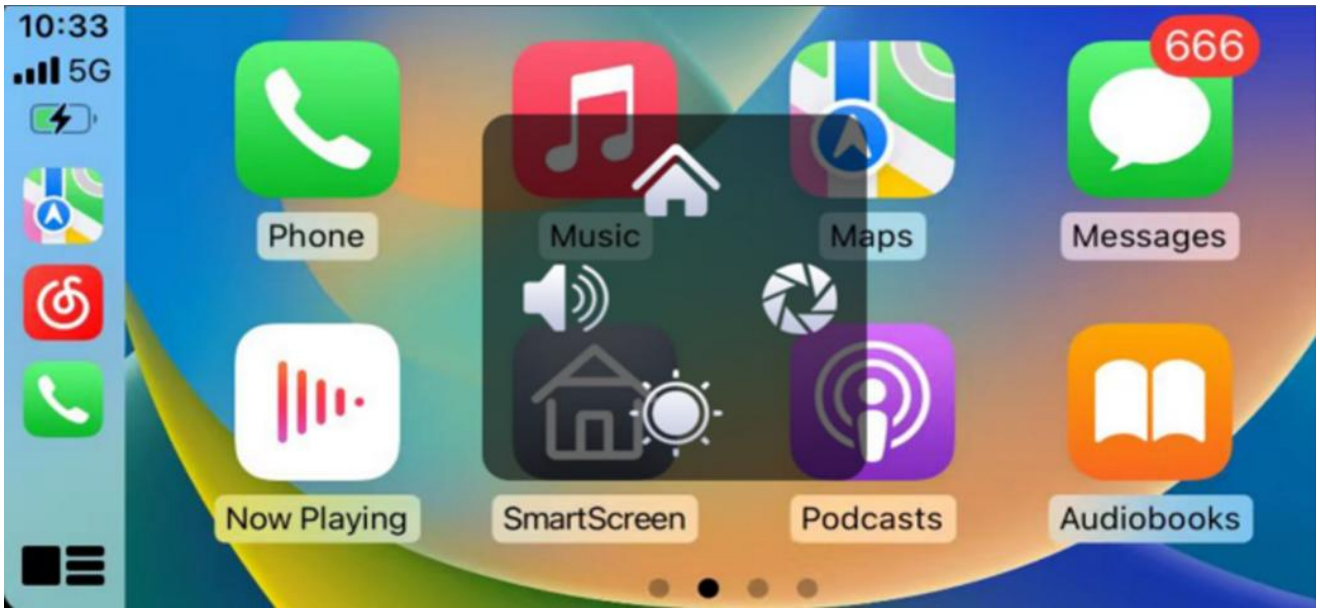
As shown in the above figure, click the 'CarPlay' button, then select the 'CarPlay' option, and first turn on the phone's WiFi and Bluetooth, as shown in the above figure. Bluetooth will automatically turn on, named T86B-XXX. Once Bluetooth is successfully connected, you can connect to CarPlay. (When the machine is powered on, it will attempt to automatically connect to the last connected phone)



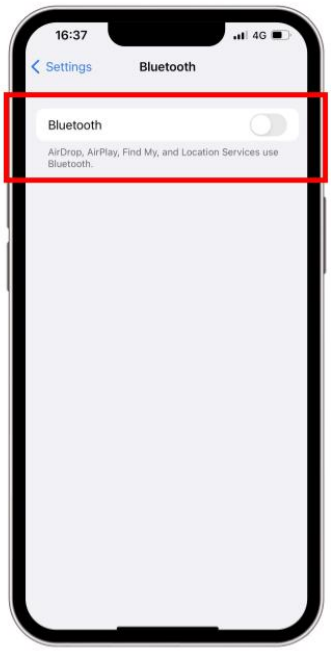
Click the Details button for detailed connection steps and connection FAQs.



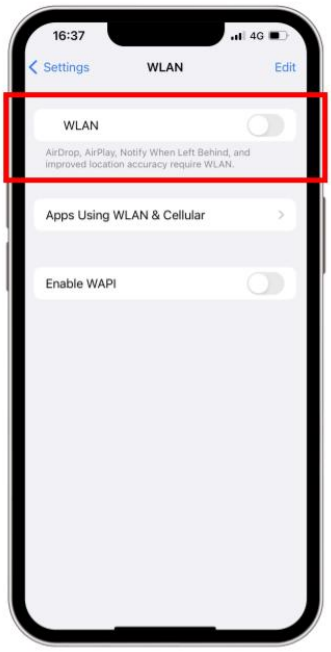
Click Assistive Touch to display the shortcut menu: [Back to Home], [Record Video Screen], [Volume Adjustment], [Brightness Adjustment].



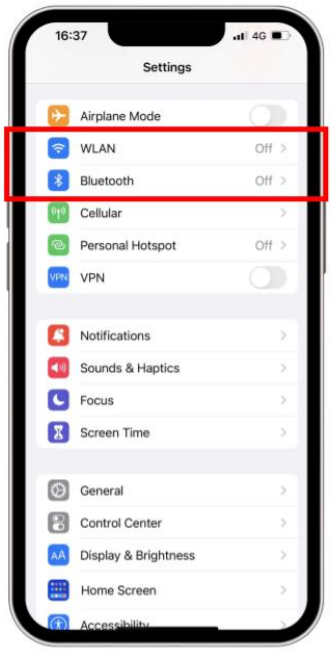
(CarPlay option is only supported for Apple mobile phones. Please turn off the Bluetooth button and then the WiFi button in your phone's settings to disconnect.)


16:37
4G
Settings
Bluetooth
Bluetooth
AirDrop, AirPlay, Find My, and Location Services use Bluetooth.

1

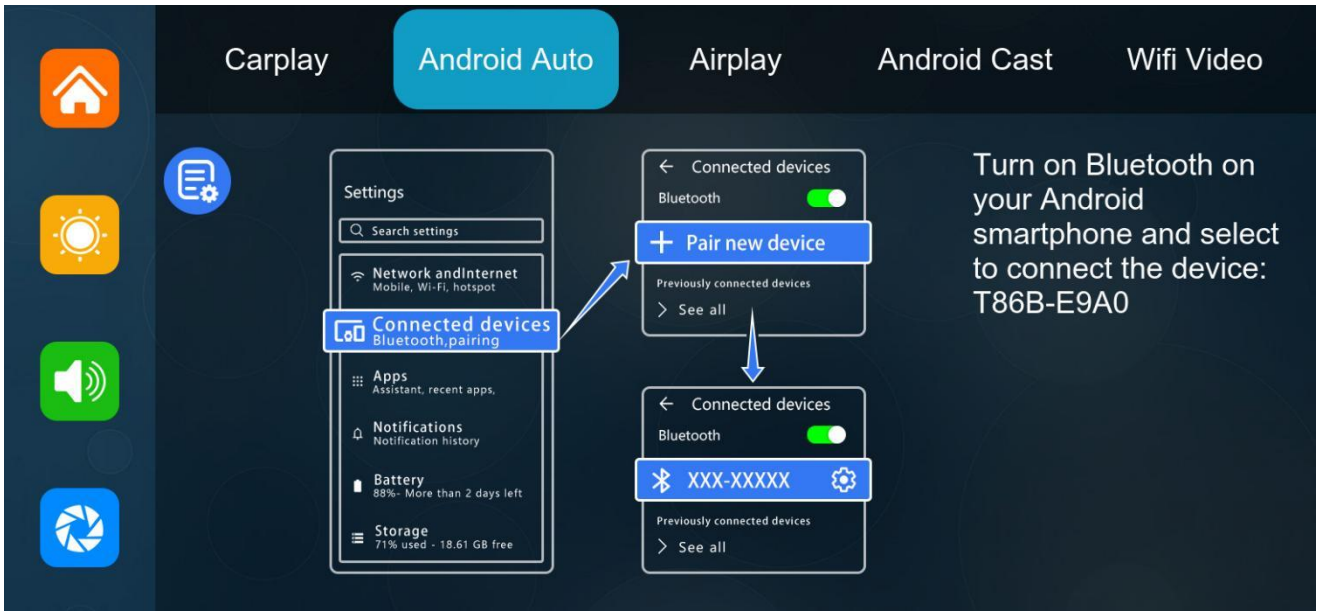

16:37
4G
Settings
WLAN
Edit
WLAN
AirDrop, AirPlay, Notify When Left Behind, and improved location accuracy require WLAN.
Apps Using WLAN & Cellular
Enable WAPI

2

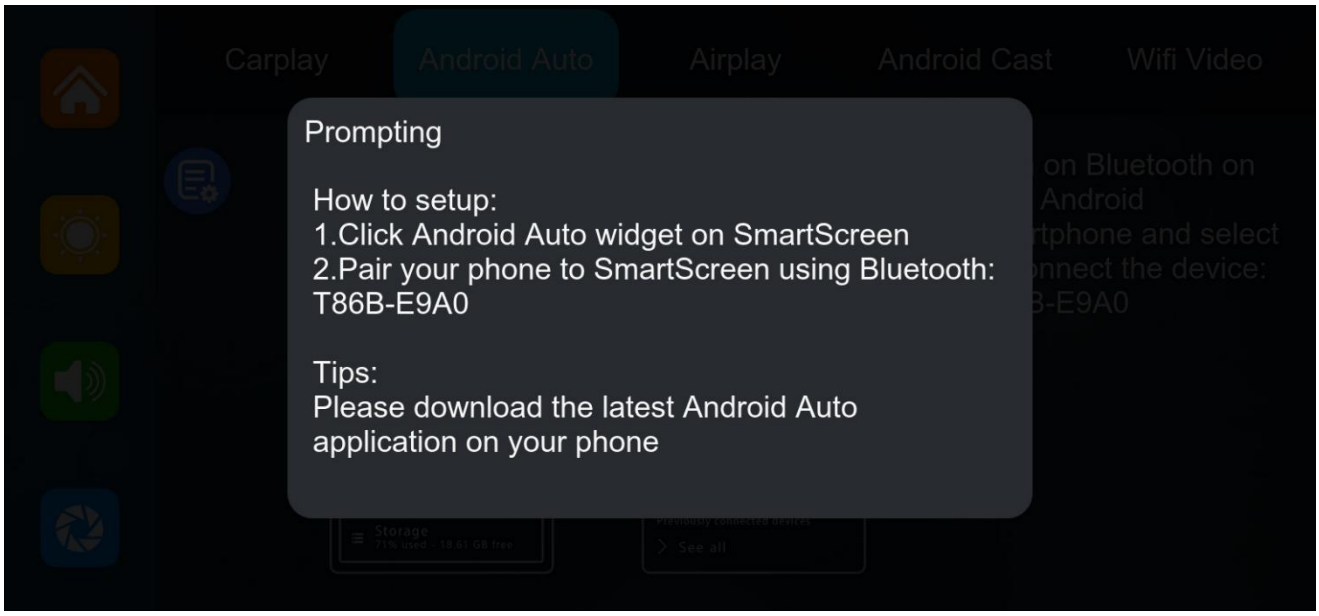

16:37
4G
Settings
Airplane Mode
WLAN
Off
Bluetooth
Off
Cellular
Personal Hotspot
Off
VPN
Notifications
Sounds & Haptics
Focus
Screen Time
General
Control Center
Display & Brightness
Home Screen

3

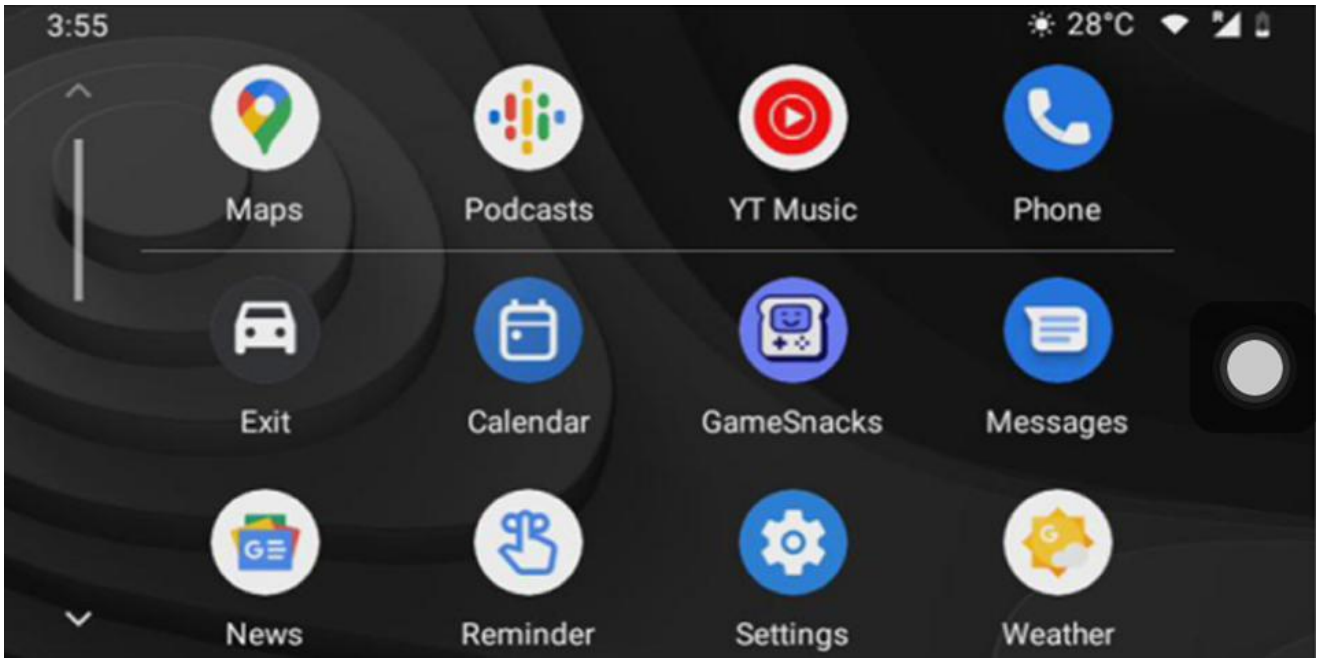
B. Andorid Auto



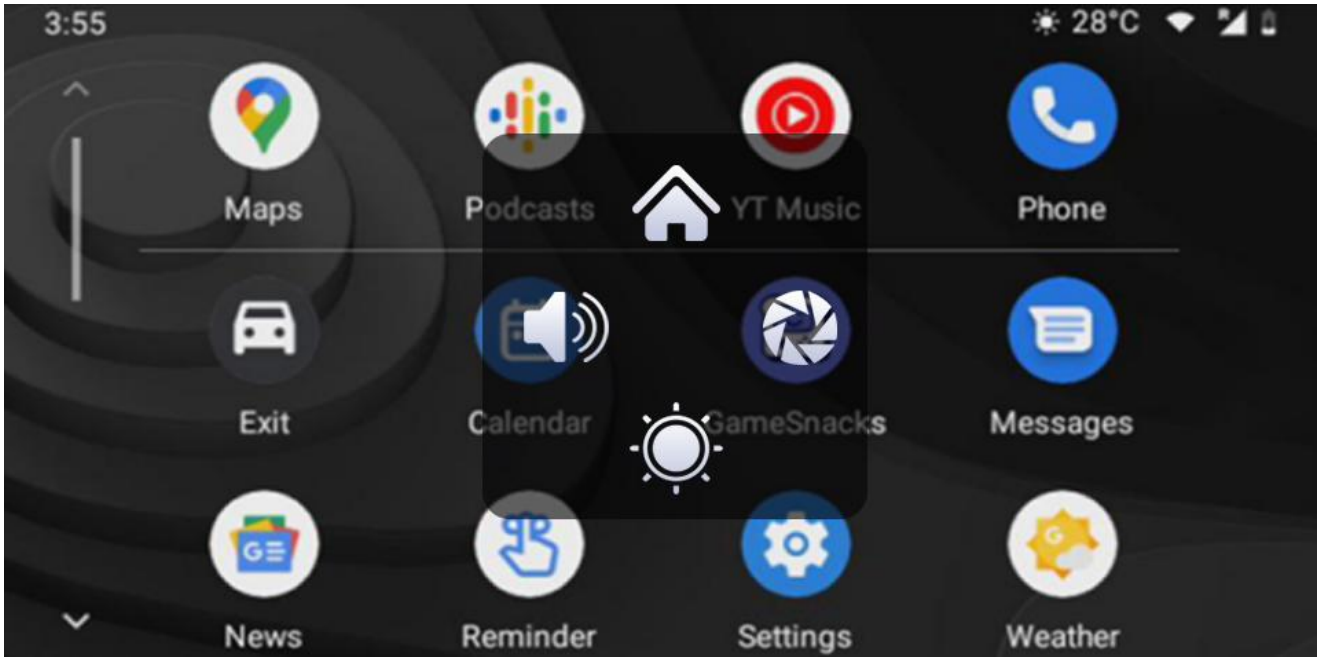
As shown in the picture, click the [Android Auto] button, and then select the [Android Auto] option, first turn on the phone's WiFi and Bluetooth, as shown in the picture above. Bluetooth will be turned on automatically and the name will be T86B-XXX. Once the Bluetooth is successfully connected, you can connect to Android Auto. (When the machine is powered on, it will try to automatically connect to the last connected phone)



Click the Details button for detailed connection steps and connection FAQs.

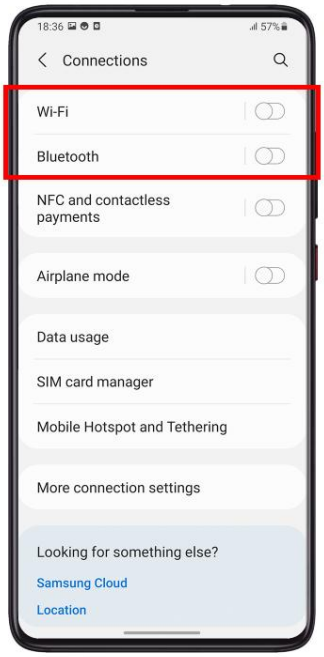


Click Assistive Touch to display the shortcut menu: [Back to Home], [Record Video Screen], [Volume Adjustment], [Brightness Adjustment].



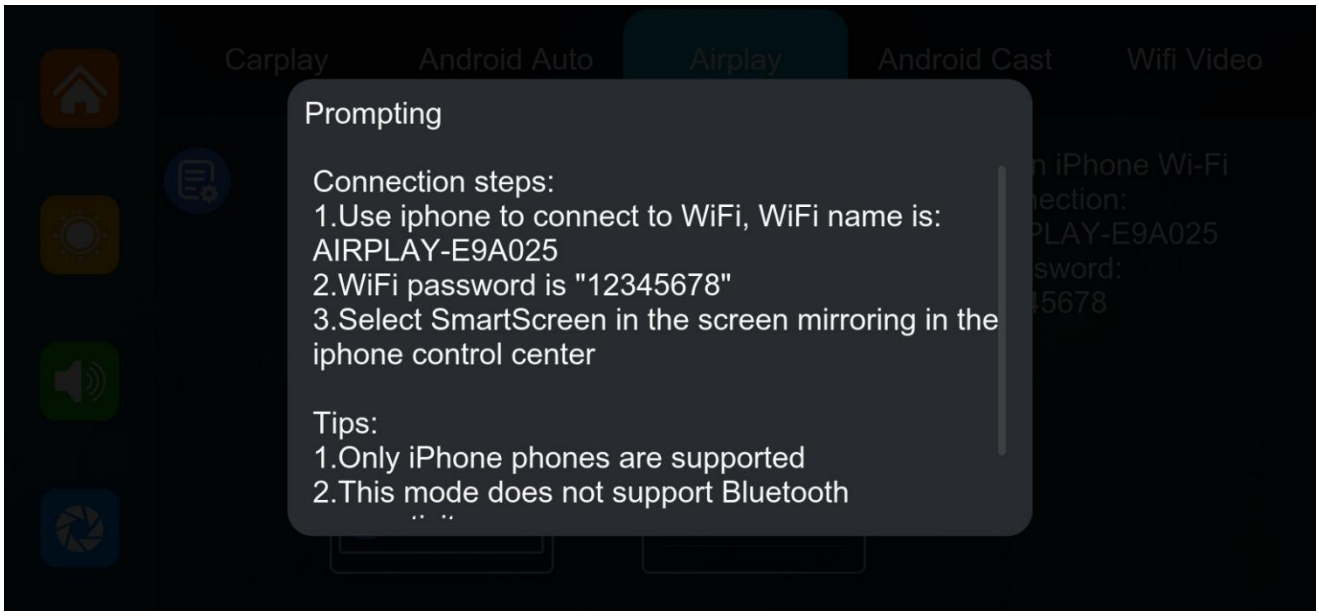
When Assistive Touch is turned off, you can tap the [Exit] button to return to the home page.

(Wireless Android Auto option is only supported for Android phones. Please forget Bluetooth in your phone's settings and turn off the WiFi button to disconnect).



C. Airplay

Airplay can transmit video, audio and pictures from iPhone device to car equipment. The carrier of transmission is WiFi, which is fundamentally different from Bluetooth wireless.



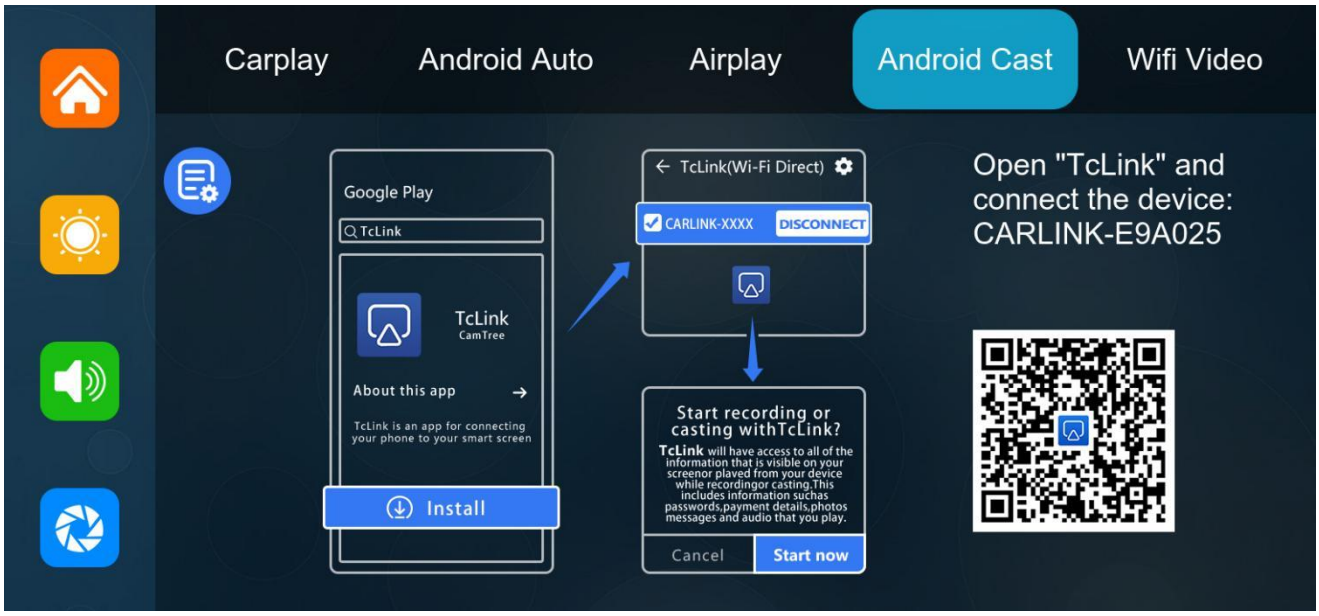
Click the Details button for detailed connection steps and connection FAQs.

1. Requires an iPhone to connect to WiFi

2. Select SmartScreen in Screen Mirroring in the iPhone Control Center

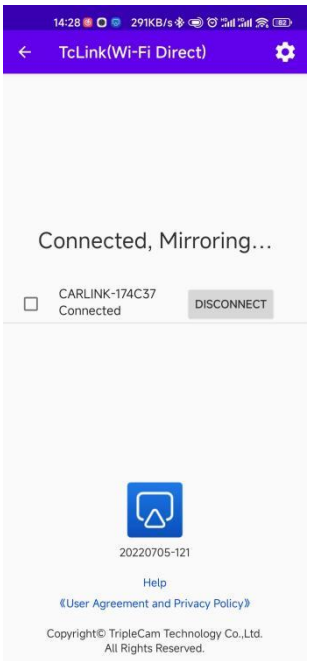
Note: Only support iPhone

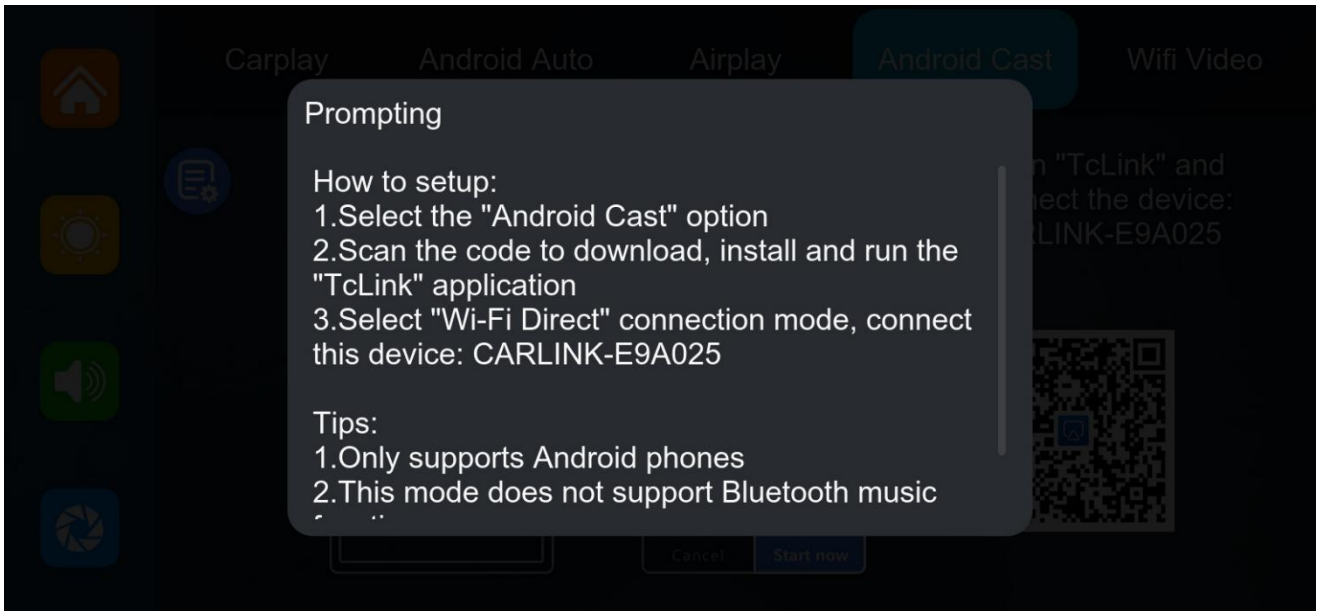
D. Android Cast



It can realize the mirror projection of the mobile phone and the car machine.

You need to scan the code with your mobile phone to download, install and run the "TcLink" application.

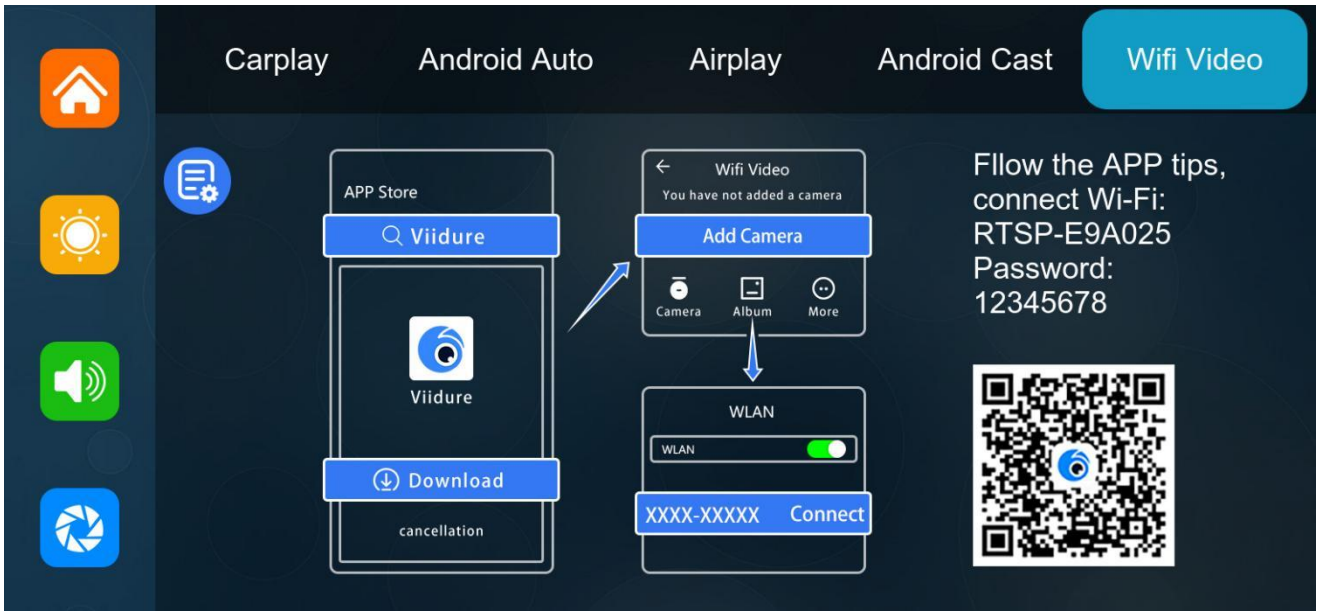




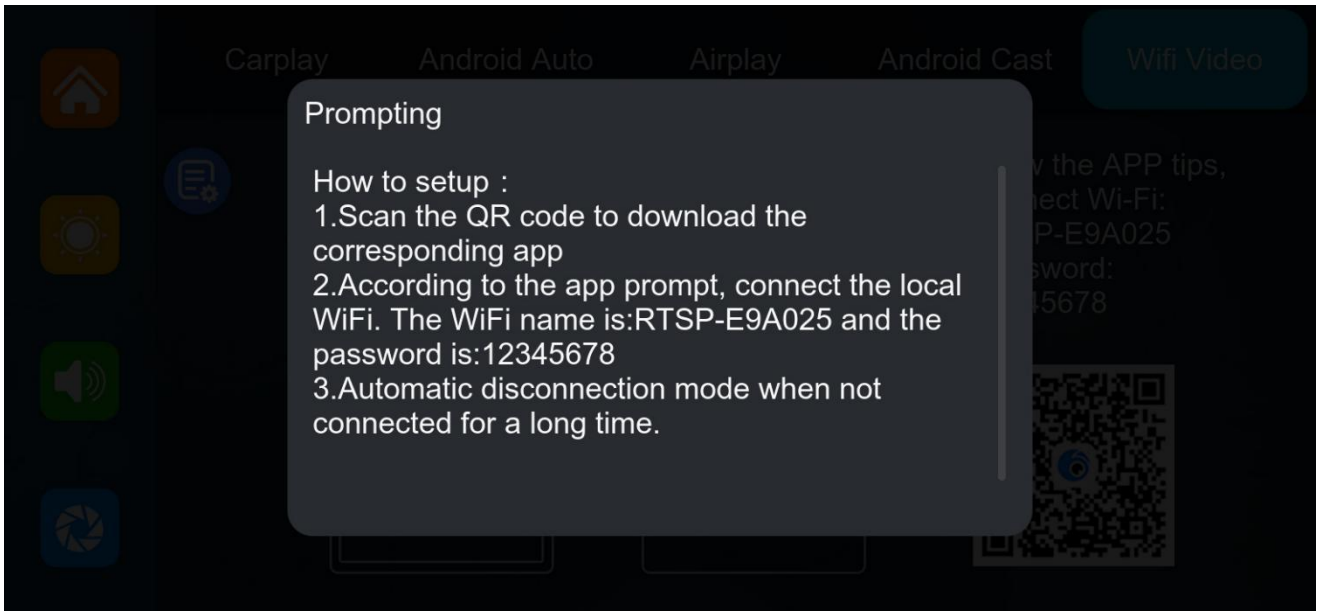
Click the Details button for detailed connection steps and connection FAQs.

Note: Only supports Android phones(The mobile phone must support the WiFi direct connection function)

E. WiFi video



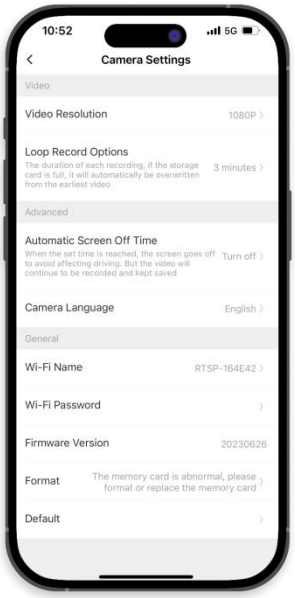
As shown in the figure above, first scan the QR code to download the viidure.



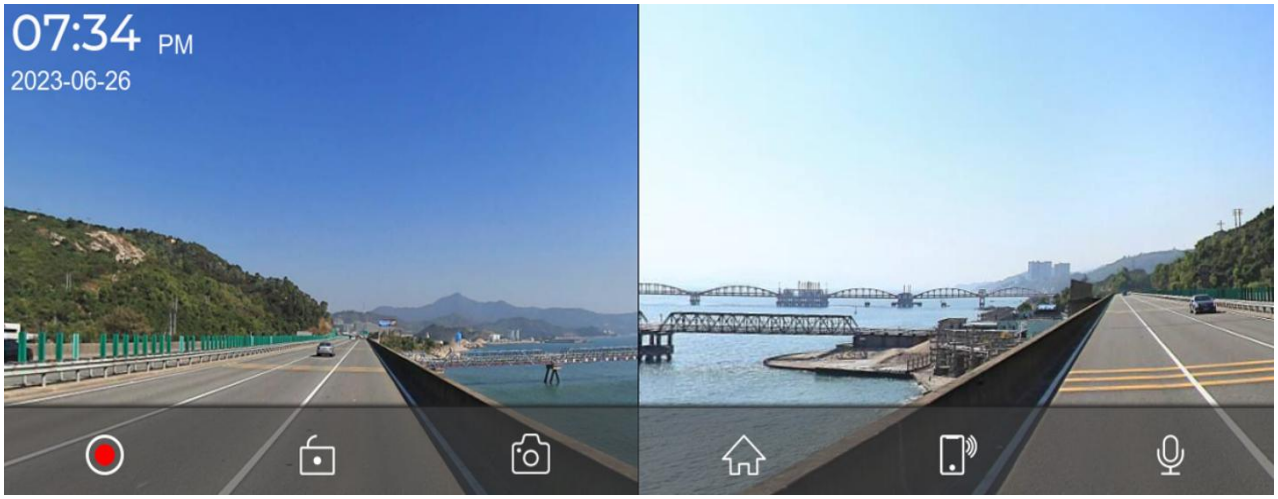
Click the Details button for detailed connection steps and connection FAQs.

After downloading, open the APP, and follow the APP prompts to connect to the WiFi of the machine. WiFi name: RTSP-XXXXXX, password as shown on the machine.

(Turn off the mobile phone WiFi key to disconnect)



F. Dvr



As shown in the figure, the main page will not display the camera image, you need to click the Dvr button to view the camera image. After inserting the card, the system automatically enters the recording mode.

	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 return to the main interface
	Click to quickly return to the mobile Internet interface
	Turn recording sound on or off.

Lock the current video:

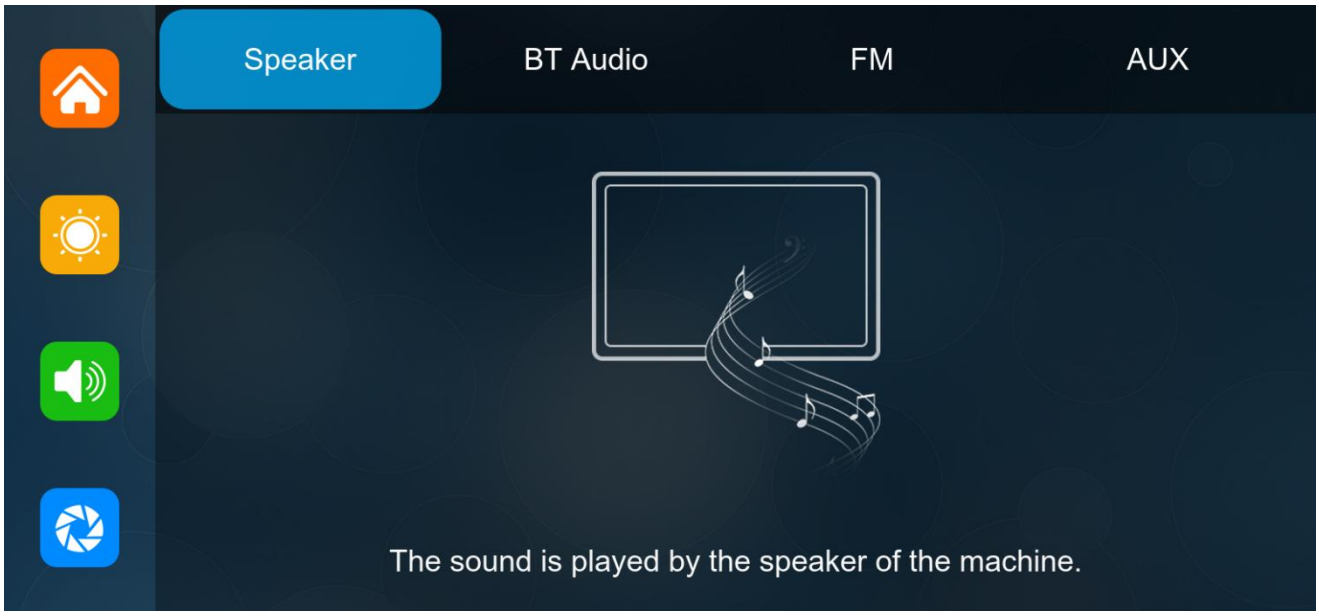
If too many videos are locked, **the first locked video will be overwritten.**

The number of videos that can be locked depends on the capacity of the SD memory card. 32G SD memory card can lock 40 videos, when locking the 41st video, the 41st video will overwrite the first one and the 42nd video will overwrite the second one.

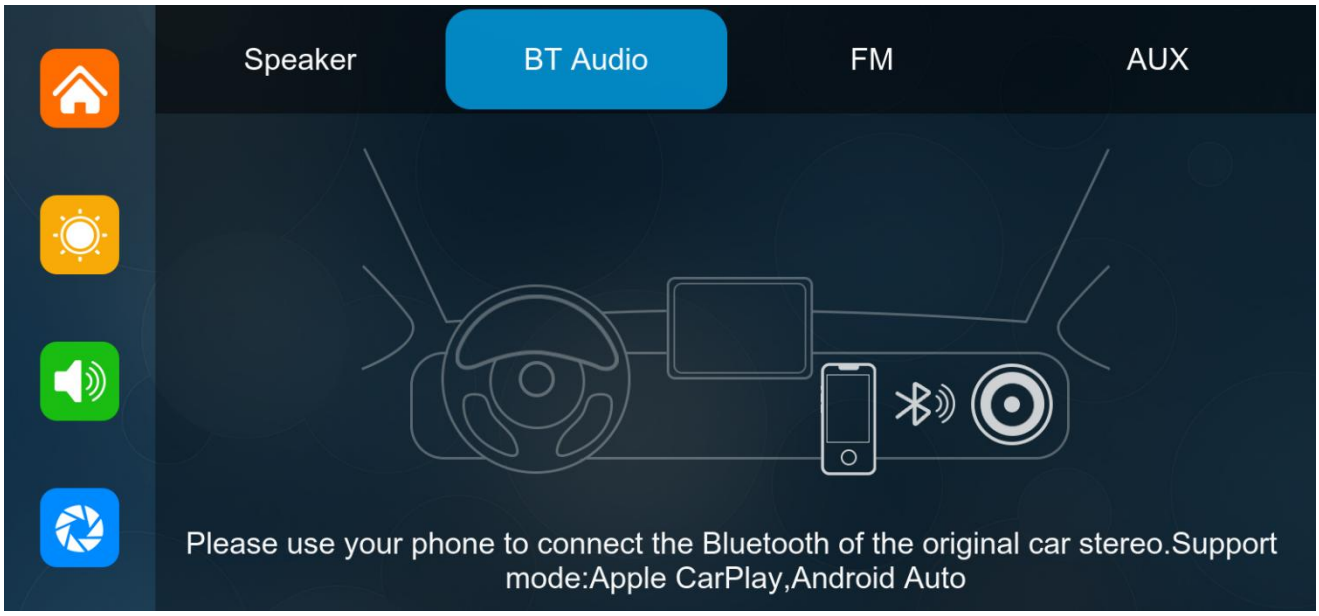
64G SD memory card can store 80 locked videos, 128G SD memory card can store 160 locked videos, 256G SD memory card can store 320 locked videos.

The SD card supports a minimum of 32GB and a maximum of 256GB!

G. Audio output



① 【Speaker】: The sound will be played from the speaker of the smart screen.



②【BT Audio】: Select this mode, and then connect to【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.

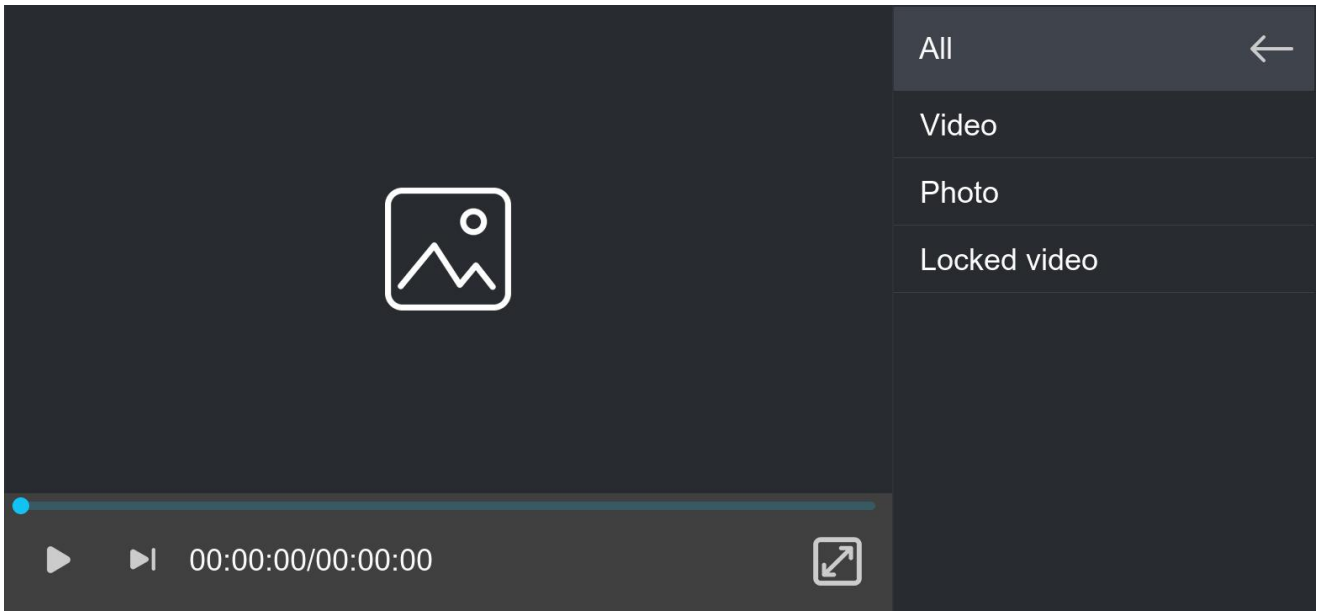
(Not using the original power cord may result in deterioration of the FM transmission signal or loss of function.)

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.

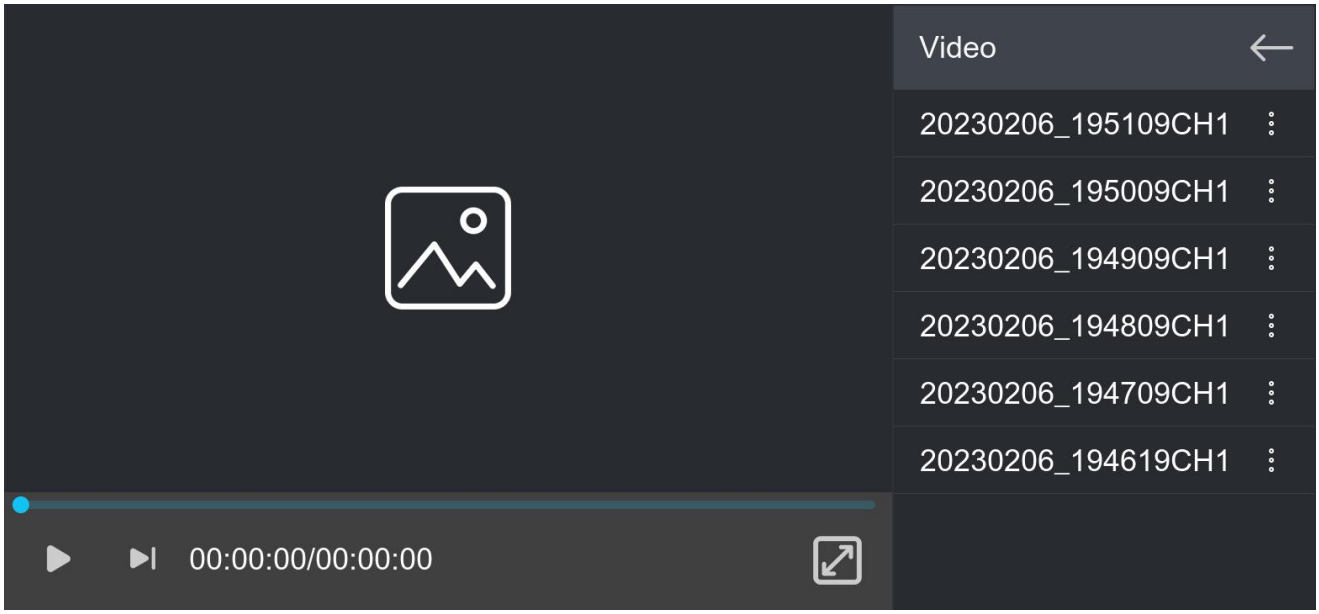
After selecting this mode, the volume icon will change to the AUX output icon【 】, and the volume cannot be adjusted on this device, so the volume must be adjusted on the original car.

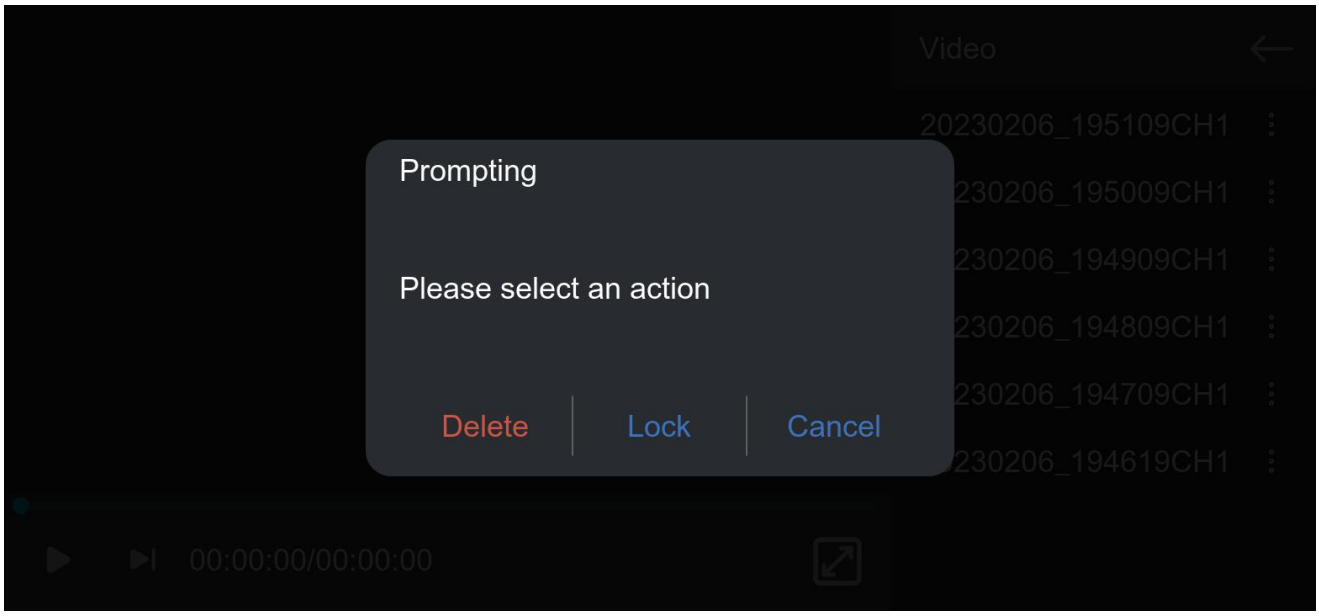
H. Playback

As shown in the above figure, click the [Playback] button to view the recorded video.



You can select the [Video], [Photo], [Locked Video] folder, and then click the Select button on the right side of the file to delete, lock or unlock the video.





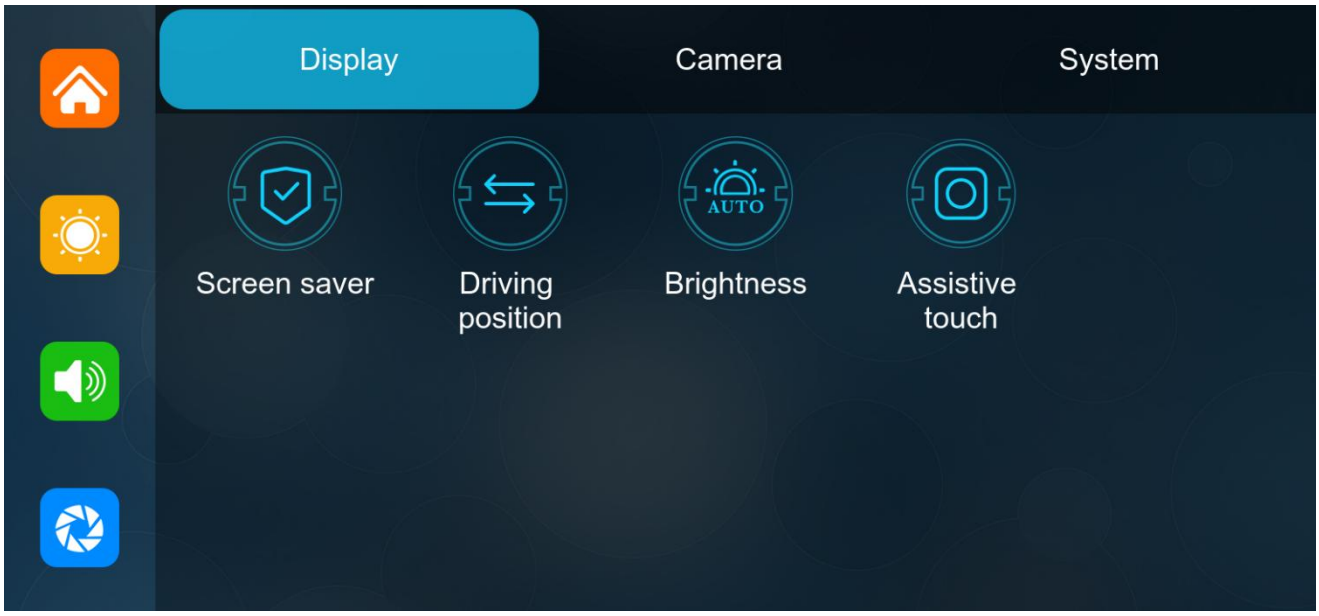
Click to play or pause the video.

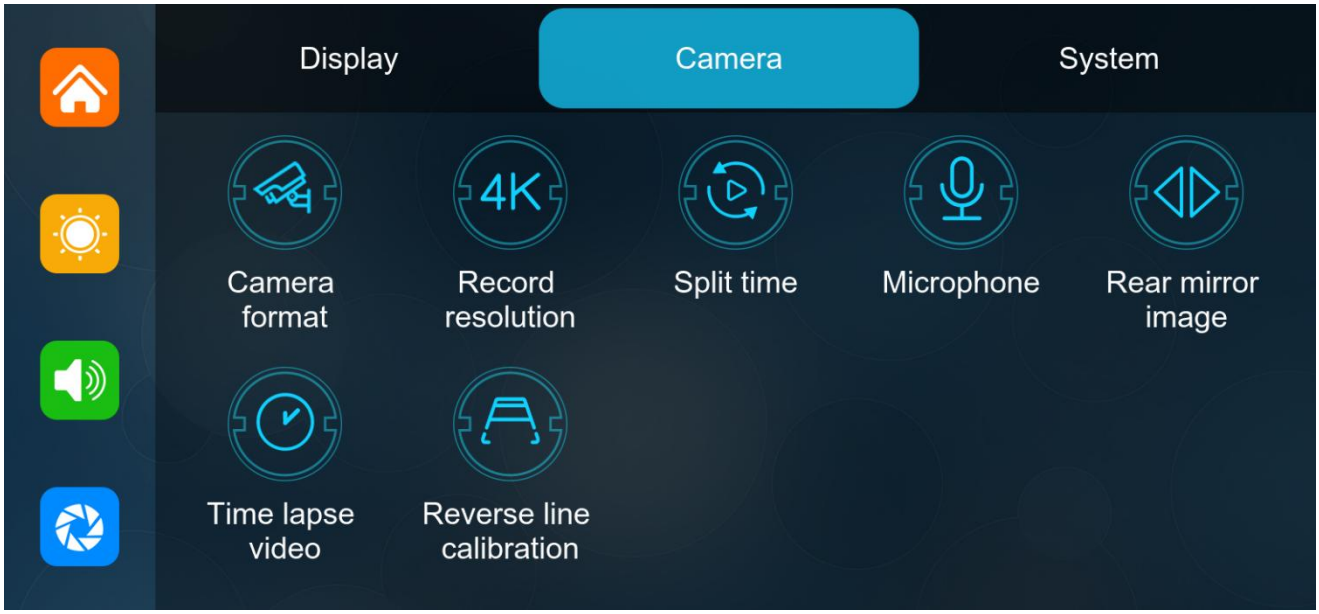
Click to switch to the next video or photo.

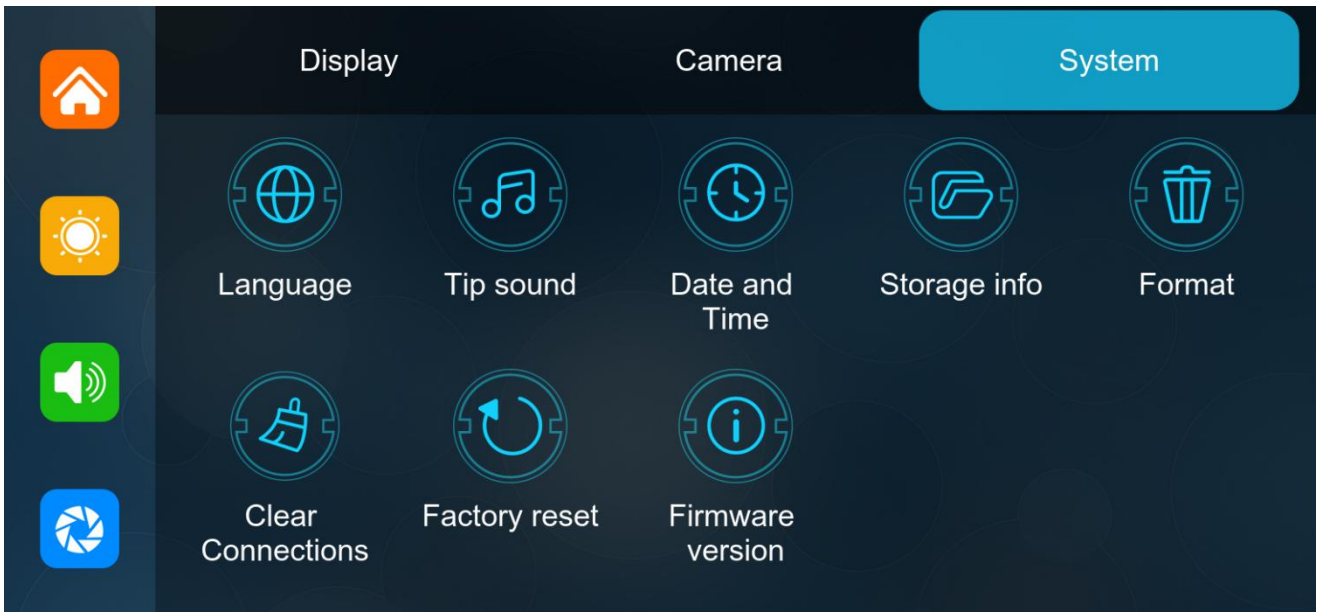
Click the "Full Screen" button to play the video in full screen.

Click to return to the previous screen.

I. Setting


Display
Camera
System
Screen saver
Driving position
AUTO
Brightness
Assistive touch


Display
Camera
System
Camera format
4K
Record resolution
Split time
Microphone
Rear mirror image
Time lapse video
Reverse line calibration


Display
Camera
System
Language
Tip sound
Date and Time
Storage info
Format
Clear Connections
Factory reset
Firmware version

	Click [Screen saver] to enter settings: screensaver can be set as: Turn off / 10 seconds / 30 seconds / 1 minute. After setting for 10 seconds or 30 seconds, if the system does not operate for the corresponding time, the screen will automatically turn off. After entering the screensaver, press the power button again to turn on the screen.
	Click on [Driving Position] to enter the settings: You can choose between left-hand or right-hand drive, and the shortcut menu bar in CarPlay. Select left rudder on the left, select right rudder on the right
	[Brightness] See below for details.
	[Assistive Button] This is the hover window button in your phone's screen casting mode, you can choose to close or open it.

	Click on [Camera Format] to input settings: 720P/720N/1080P/1080N Two systems, choose a standard camera system. Note: Selecting an unrelated camera system will result in abnormal display and video images. If the camera display screen or color is abnormal, please check if the corresponding camera system has been selected.
	Click to enter the [Record resolution] settings: 720P / 1080P / 2.5K / 4K (different models, options will be somewhat different, subject to the actual object)
	Click [Split time] to enter the setting of the video segmentation time: Video segmentation time is optional: 1 minutes / 3 minutes / 5 minutes. The system defaults to 3 minutes.
	Click [Microphone] to enter the settings: You can choose to close or open.
	Click on [Image Mirror] to enter the settings: you can choose to turn it off or on. This option makes it easier for customers to flexibly install cameras.

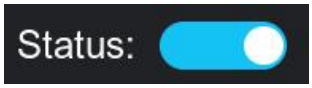
（Optional item）	See the instructions below.
	Click on [Date & Time] to enter the settings: Set up separately: year / month / day / time / minute / second / 12H system / 24H system
	Click on [Reverse Line Calibration] to enter the settings: Please refer to the following instructions.
	Click on [Language] to enter the settings: Language can be set: Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese
	Click on the [Reminder tone] to enter the settings: you can choose to turn it off or on. After selecting off, the power on sound effect and touch and button sound effects will be turned off. (Different models may have different options, subject to the actual product)

	Click on [Date & Time] to enter the settings: Set up separately: year / month / day / time / minute / second / 12H system / 24H system
	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.
	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.
	Click [Factory reset] to enter the settings: Restore factory settings, and the system will restore all settings to their original state.
	Click on [Firmware Version] to enter the menu: This option allows you to see the current basic version for easy confirmation.

Reverse Line Calibration

Click on [Reverse line calibration] to enter the settings:

Park the car in the middle of the parking space.



You can choose whether to turn the reverse line feature off or on.

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.

Drag the [ ] at the bottom to adjust the position of the reverse line to the left and right.

After adjusting the reversing line, click [confirm] to save the calibration.

Time lapse video (Optional item)

Click "Time-lapse Recording" option in the settings, you can choose "Off", "2 hours", "8 hours", "12 hours", "24 hours" (default off). After selecting the monitoring time as 12 hours or 24 hours, when the car is turned off (ACC disconnected), the system will turn off the screen after a five-second countdown to reduce power consumption and enter the monitoring state.

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: This function must be connected to the power supply using the standard configuration ACC cable in order to be able to use, using the car charging source can not use this function!

Common problems

Number	Problem	Solution
1	Unable to start	1. Check whether the power cord is damaged or aged 2. Check whether the fuse of the power cord is disconnected or burnt out
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	No image from camera	1. Use only after using the manufacturer's matching camera. 2 The camera connector is not loose.
4	High temperature lag phenomenon of the mach	The normal operating temperature of the T86B 6.25 is -4 to 149 F. If the temperature exceeds the limit, disconnect the power. Wait until the temperature of the T86B 6.25 falls below 149 F before turning the power back on to begin operation.
5	Carplay cannot connect	1. The first connection takes a little longer. 2. Only iPhone supports Carplay. 3. Check that the WiFi and Bluetooth functions of the mobile phone are normal. 4. Enter Settings - General -Carplay vehicle, delete all records and reconnect. 5. Restart the iPhone and reconnect it. 6. Turn on the Siri function on your phone.

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	WIFI Video cannot connect	1. Try to upgrade the version of the application. 2. Check if the SD card of the machine exists. 3. Check if the machine's mode has been switched to WiFi video mode.

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

Product specifications

Model	T86B 6.25
Master control	High performance SOC
Wireless function	CarPlay/Android Auto/AirPlay/Android Cast/WiFi Video
Screen	6.25 inch high-definition IPS screen, 1560 * 720
Storage	16G ≤ SD ≤ 256G (Class10)
Wireless module	WiFi / Bluetooth / Audio output
Camera	Front, rear, left and right four cameras
Audio output	Speaker, BT Audio, FM, AUX
Video	TS streaming
Working voltage	7-32V
Power	Less than 10W
Size	160*80*26mm
Weight	About 300g
Material quality	ABS/PC

Warning:

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

NOTE:

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.

FCC Statement:

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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.