10.26-Inch DVR Player

User Manual

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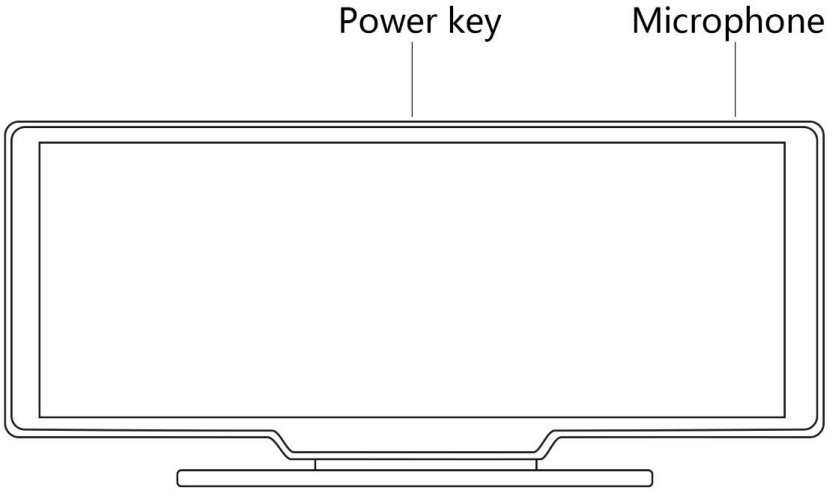
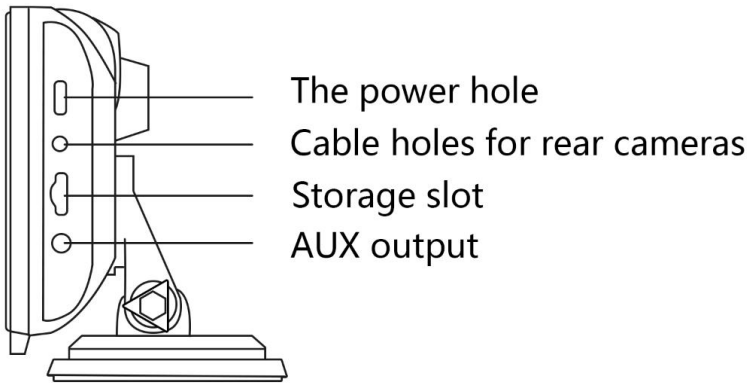
1. Product overview

The T86DVR 10.26 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		10.26 -inch FHD display (1600*600) / 2 -channel camera interface / touch control / Bluetooth / Wi-Fi / Audio output / SD card recording / Type	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
Camera cord		Pull back headphone cable 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
SD card		Class10 SD card	Optional
AUX Cord		For transmitting sound	1
Accessories		Used to install player or camera	Some
Specification		The use method and parameter description of the product	1
Cigarette lighter adapter		Add more cigarette lighter power	Optional

3. Product description

Project	Function introduction	Performance indicators
System	Language	Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese etc.
	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
Video display	Real-time display	10.26-inch HIGH-DEFINITION IPS screen, 1600 x 600
	The native playback	Local play, anytime to view
	The screen saver	Screen savers can be set to: off / 10 seconds / 30 seconds / 1 minute
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 CarPlay / Android Auto / Apple Airplay / Android Cast / WiFi Video
	Bluetooth	Support Bluetooth music playback
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 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 ℉
	The video time	Video recording duration can be set
	camera mirroring	The camera supports mirror display, and the menu can be set

4. SD card specifications

On some models, the SD card can be used to store movies and music, which can be played after being plugged into the machine. On other models, however, it can only be used to store driving video. To record video safely, use SD cards from major brands such as SanDisk, Kingston, Toshiba, and Samsung. Speed certification must be at least Class10.

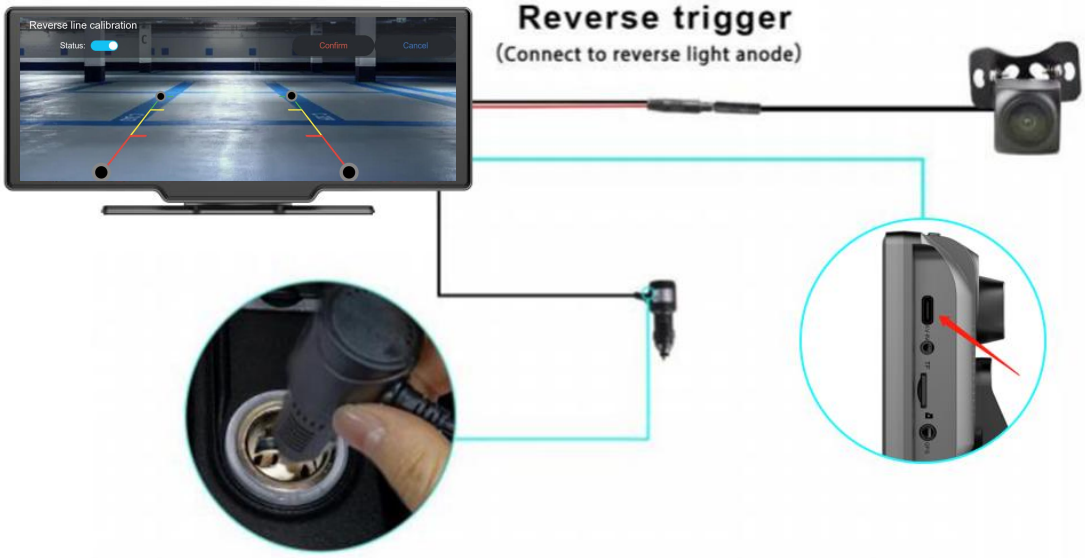
5. Wiring instructions

Note: The product comes with a cigarette charger as standard. If you do not use our original charger, you need to buy a compliant high-quality cigarette charger, otherwise it is easy to damage the machine or cause other injuries due to insufficient voltage and heat.and FM Transmitter function cannot work normally.

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.

(This is not necessary if you choose the version without the reversing camera.)



7. Interface specification

1. Time and date: display the current time and date.
2. Home button: click to return to home page.
3. Brightness key: click to adjust the screen brightness.

4. Volume key: click to adjust the volume.

5. Setting button: click to jump to the setting interface.

(DVR) (Mobile Internet) (Return)

6. Apple CarPlay: Special connector for iPhone.

7. Android Auto: Special connector for Android mobile phone.

8. Dvr: Click to enter the video recording interface.

9. Playback: Tap to view a video on the video screen.

10. Audio output: click to select the sound playing mode.

11. Apple Airplay: iPhone dedicated mirror casting mode.

12. Android Cast: Mirror casting mode for Android mobile phones.

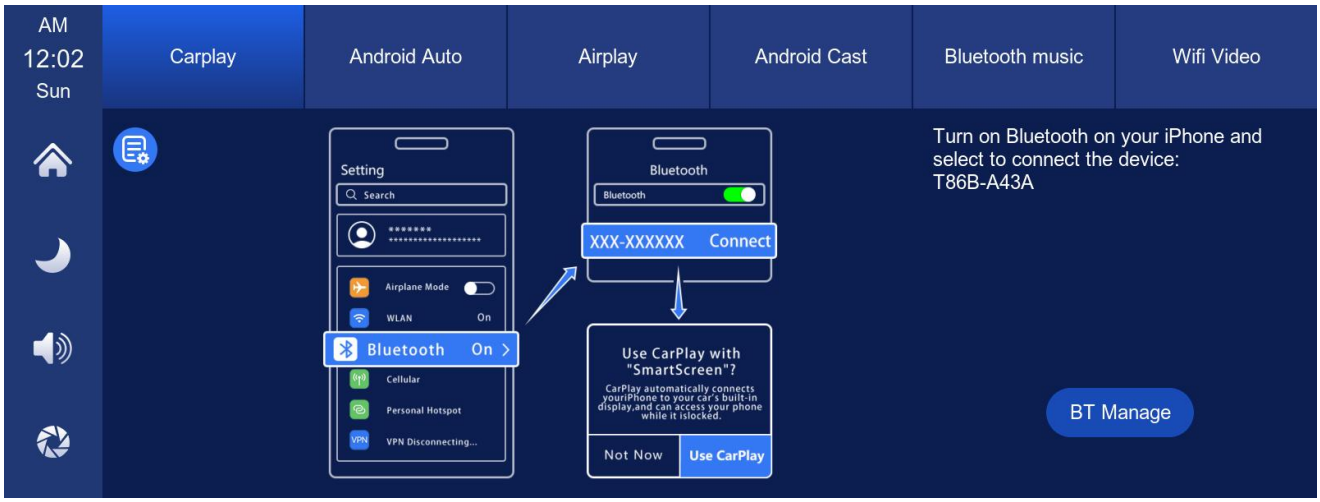
13. Bluetooth music: Click to enter the Bluetooth music playback interface.

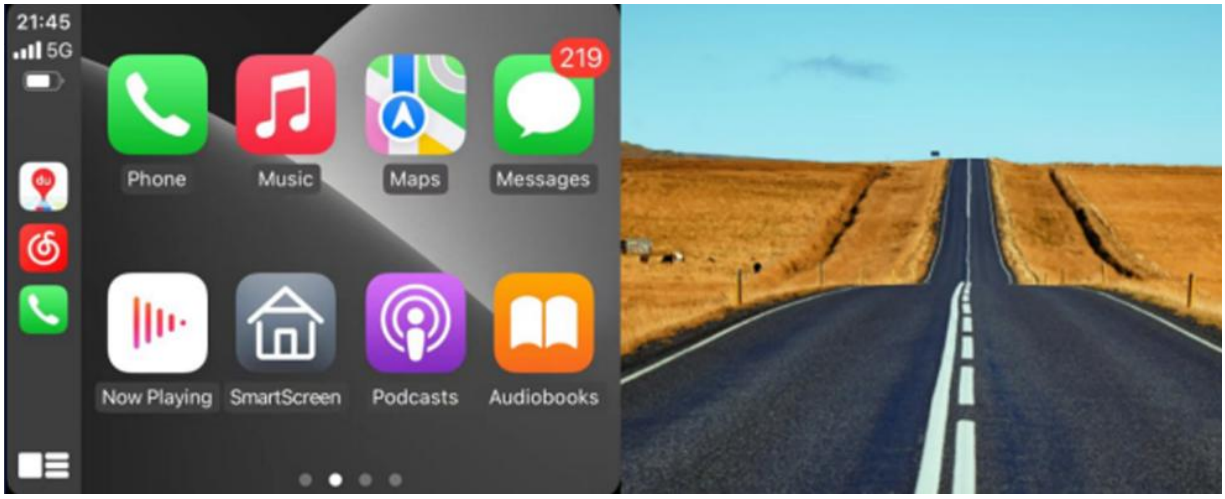
14. WiFi Video: After connecting to your phone, you can watch recorded videos or set machine parameters on your phone.

A. Apple CarPlay

As shown in the above figure, click the 'Apple CarPlay' button, then select the 'Apple CarPlay' option, and first turn on the phone's Wi Fi and Bluetooth, as shown in the above figure. Bluetooth will automatically turn on, named T86-XXXXXX. Once Bluetooth is successfully connected, you can connect to Apple CarPlay. (When the machine is powered on, it will attempt to automatically connect to the last connected phone)

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

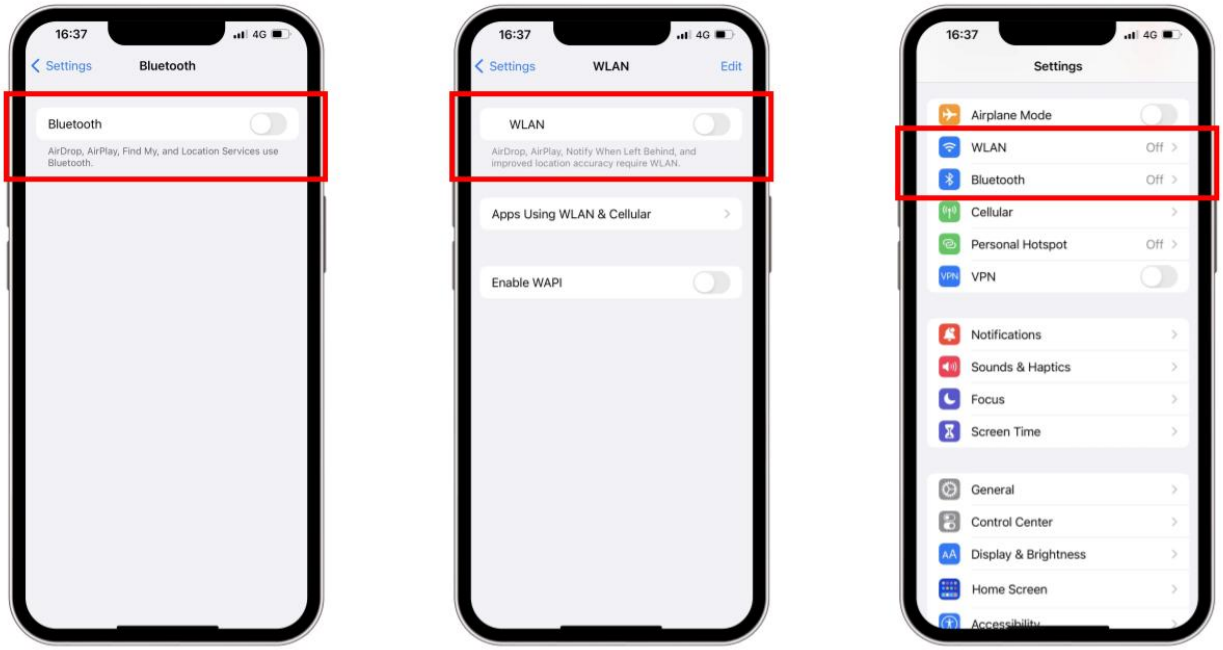




(Half screen mode)

(Hull screen mode)

(Apple 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.)



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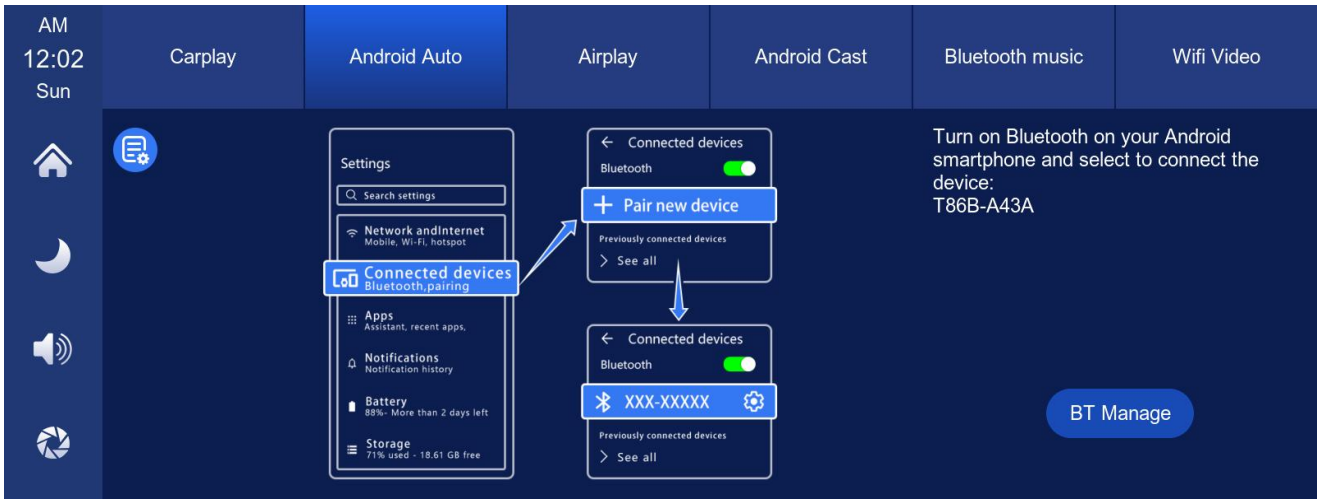
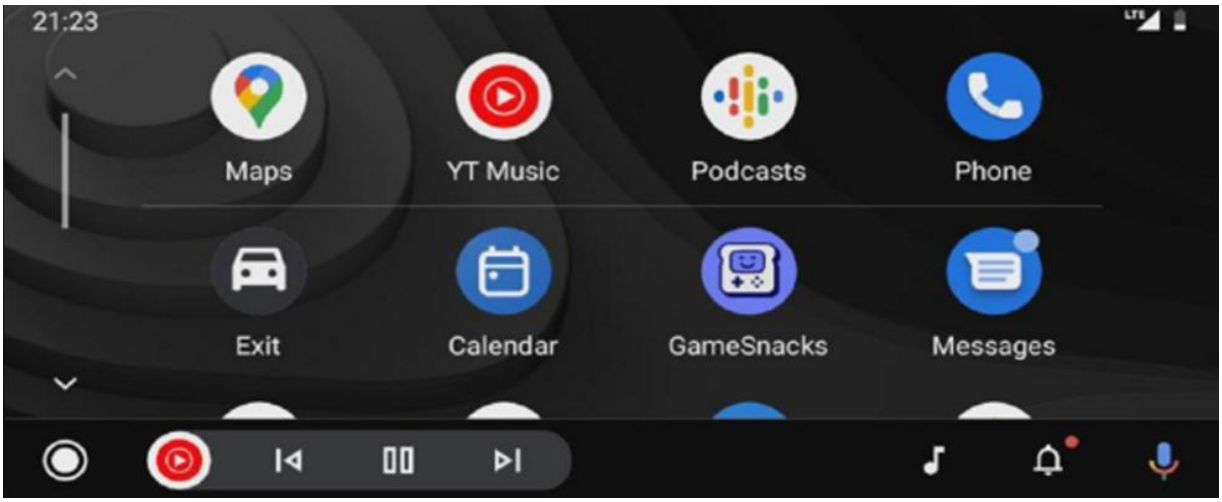
B. Android Auto

As shown in the picture, click the [Android Auto] button, and then select the [Android Auto] option, first turn on the phone's Wi-Fi and Bluetooth, as shown in the picture above. Bluetooth will be turned on automatically and the name will be T86-XXXXXX. 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)

(Turn off your phone's Wi-Fi to disconnect)

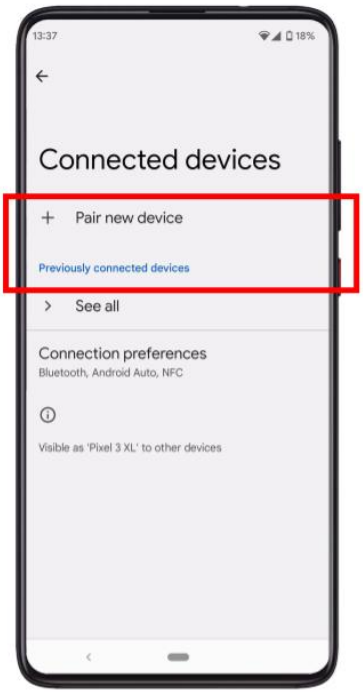


(Half screen mode)



(Hull screen mode)

(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).



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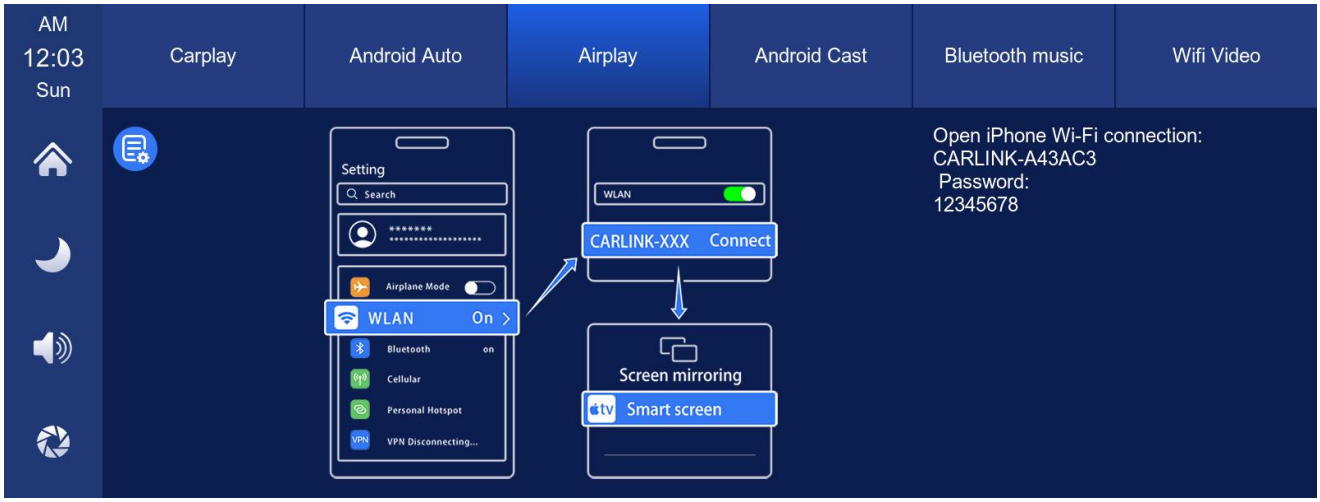
C. Apple Airplay



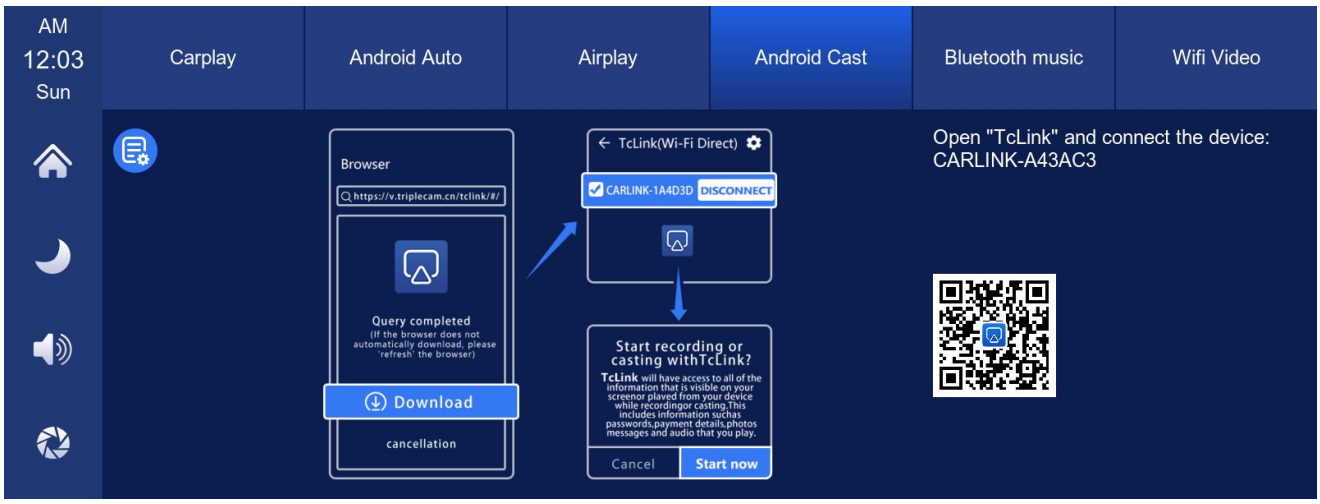
Apple AirPlay can transmit videos, audio and pictures from iPhone to car device to play to watch. It is fundamentally different from the Bluetooth wireless. The transmission carrier is WIFI.

Need iPhone connection to machine WiFi

Select the smart screen in the screen mirror in the iPhone control center

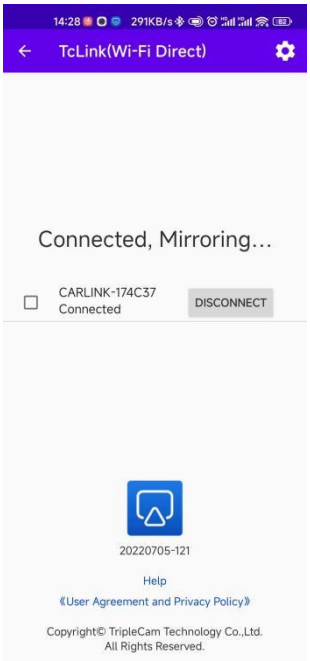
Note: Only support iPhone mobile phones

D. Android Cast



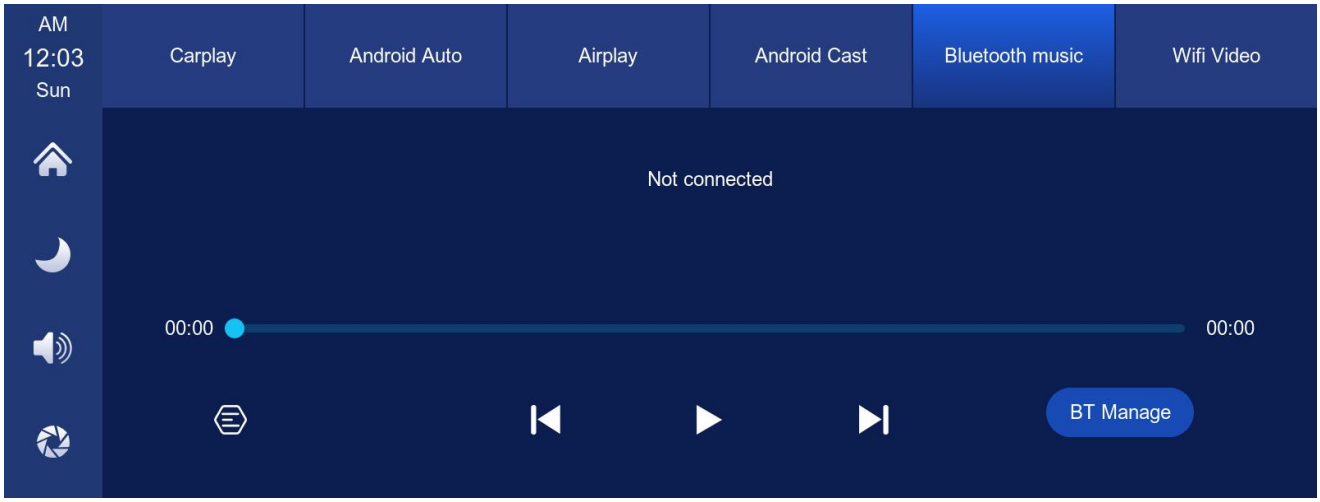
It can realize the mirror projection of the mobile phone and the car machine.

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



Note: Only supports Android phones

E. Bluetooth Music



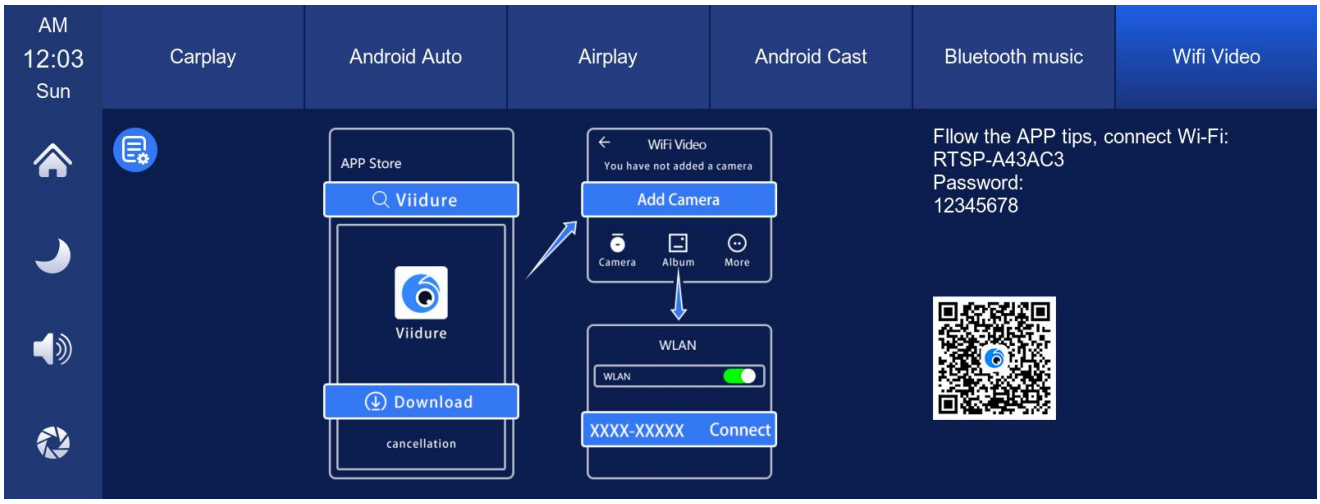
Turn on the Wi-Fi and Bluetooth of the mobile phone first, and select [Bluetooth Music] option. Click the [BT Manage] option on the interface to connect Bluetooth to the mobile phone and start playing music.

The buttons correspond to "previous song", "play/pause" and "next song" respectively.

Click on the Lyrics button [ ] to display the lyrics.

(Some mobile music player apps do not support displaying lyrics)

F. WiFi video



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

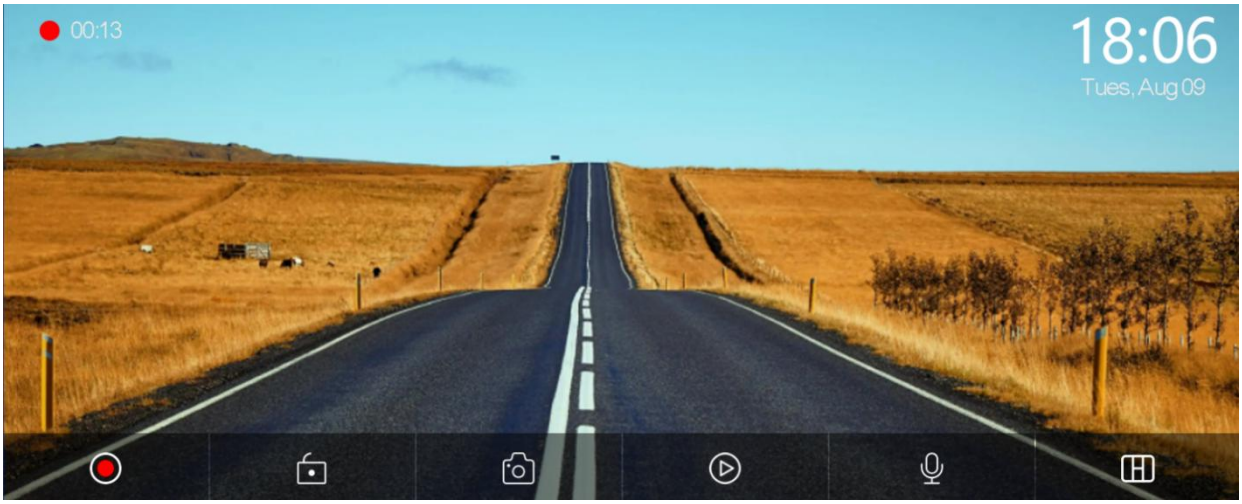
After downloading, open the app and follow the prompts to connect to the machine's WiFi. WiFi name: RTSP-XXXXXX, password as shown on the machine.

After connecting, the machine will enter the recording interface and cannot perform any operations. You can watch or download recorded videos, set machine parameters, and more on your phone.

(Turn off the WiFi key on your phone to disconnect, and it will take one minute to disconnect before you can operate on the machine.)

G. DVR

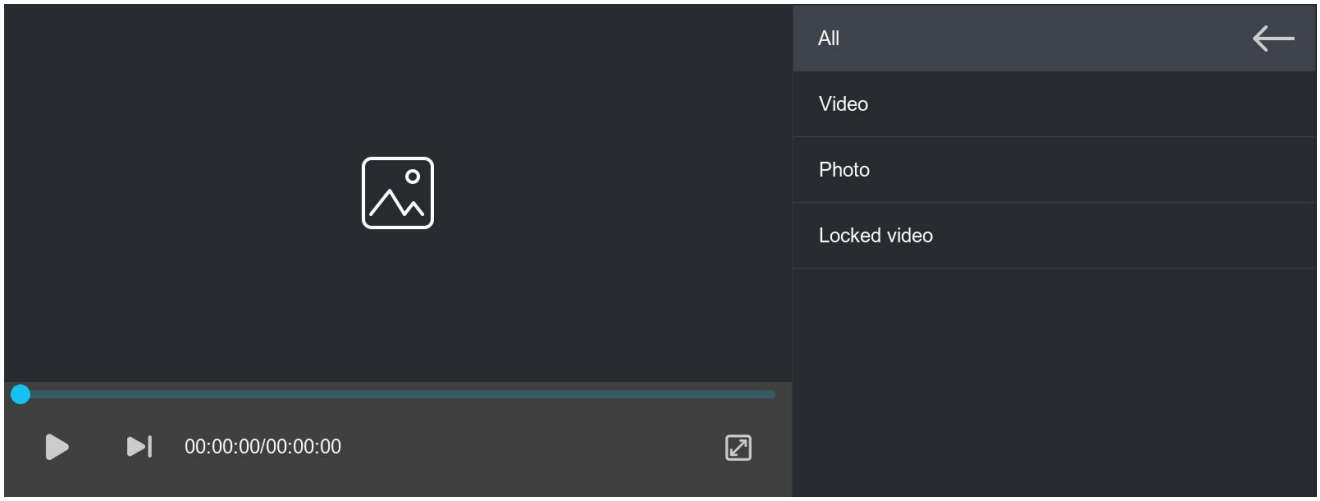
As shown in the picture, the main page will not display the camera image, you need to click the Dvr button to view the camera image. When a card is inserted, the system automatically enters the video mode, and when recorded, the small red dots in the [Driving Monitoring] button will flash.



	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.
	View playback video.
	Turn recording sound on or off.
	Click to switch the camera distribution screen.

H. Playback

As shown above, click the [Playback] button to enter the video playback interface.



You can click any to play back the video and play the video on the right.

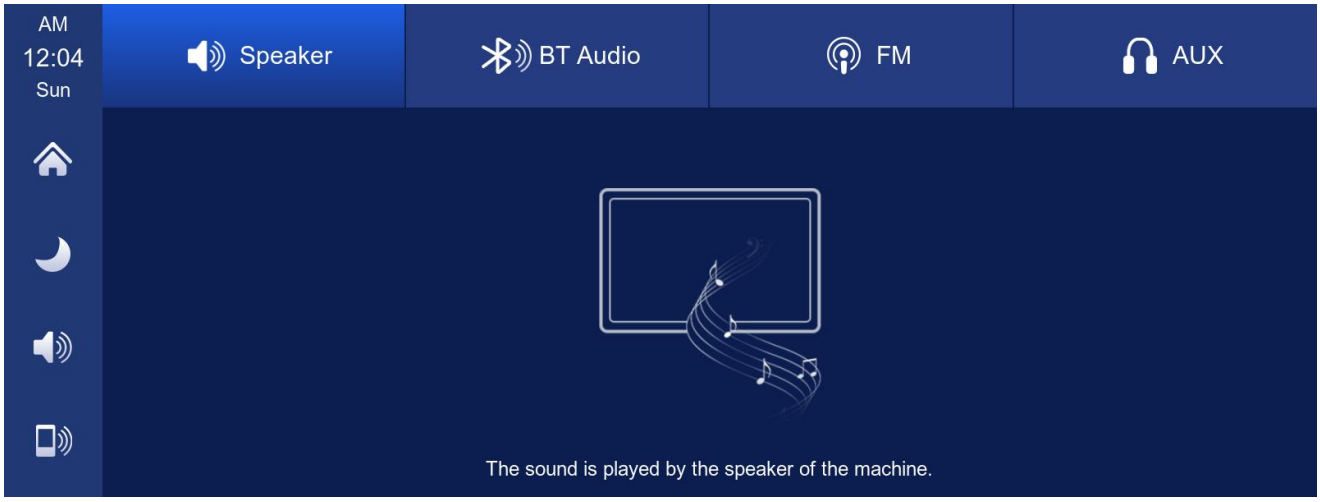
[Video] Click to view the recorded loop video.

[Photo] Click to view the pictures taken by the one-click photo function.

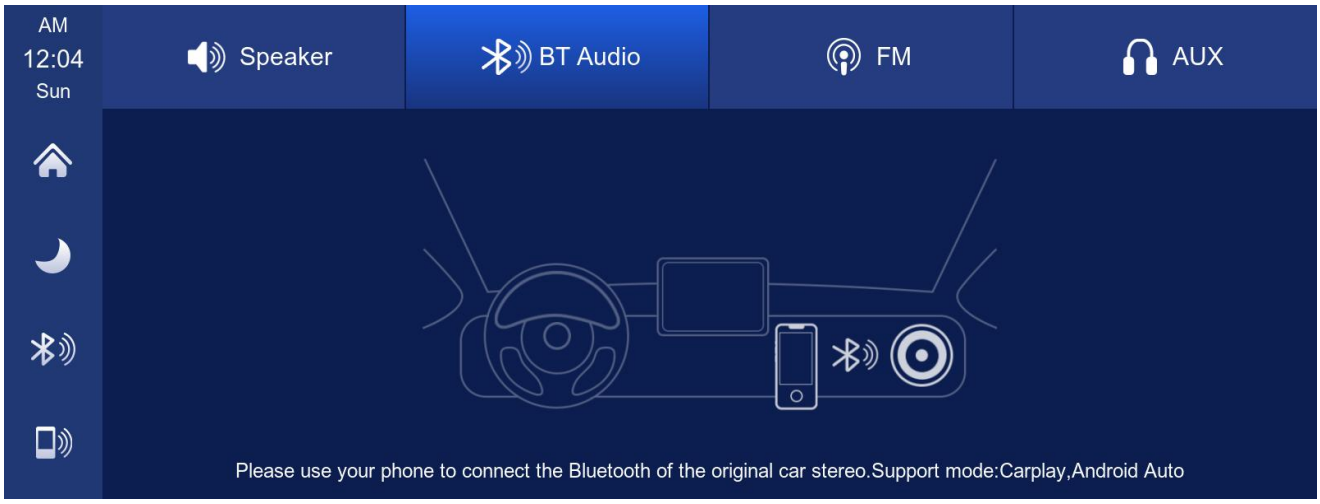
[Locked video] Click the video saved after locking.

I. Audio Output

Click the [Audio Output] button to enter the audio output selection interface.

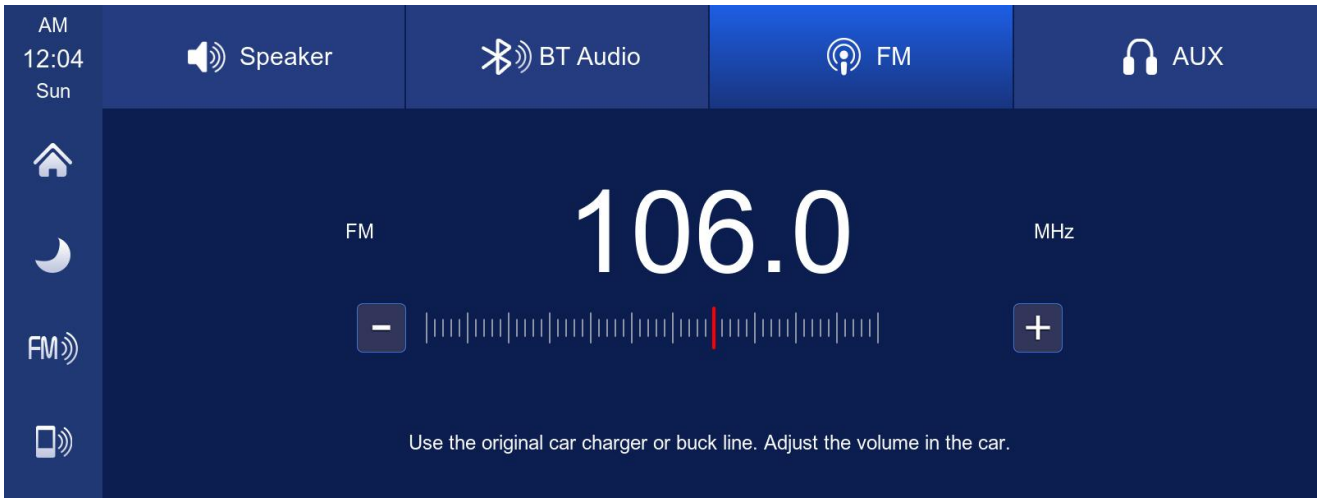


① 【Speaker】: The sound will be played from the speaker of the smart screen.



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.

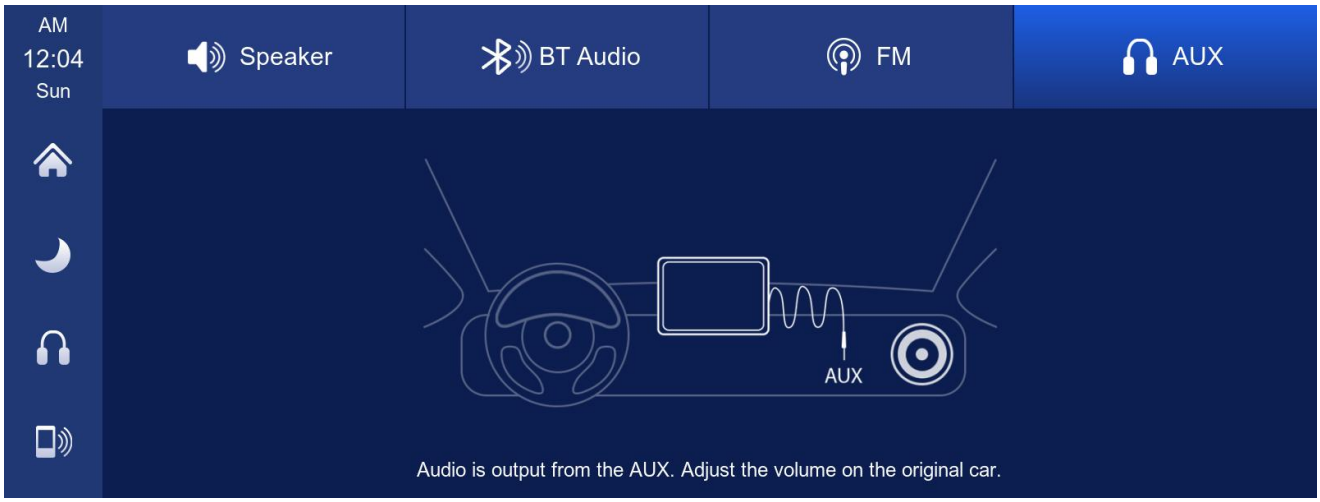
After selecting this mode, the volume icon will change to the Bluetooth transmission icon【】, and the volume cannot be adjusted on this device, so the volume must be adjusted on the original car.



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.

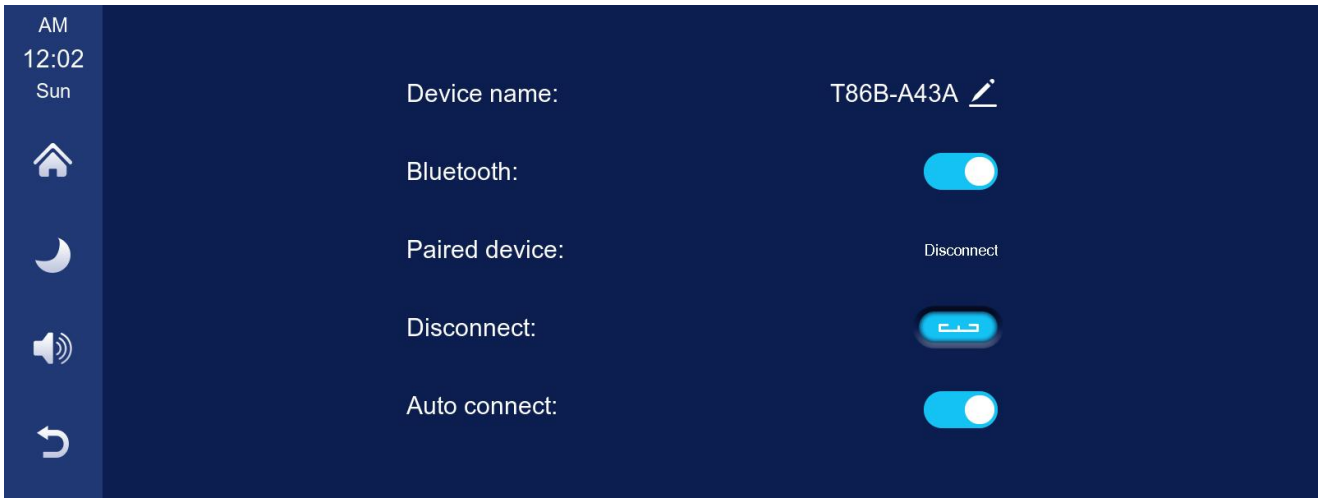
(Not using the original power cord may result in deterioration of the FM transmission signal or loss of function.)



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.

J. 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: T86-140D07, 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:

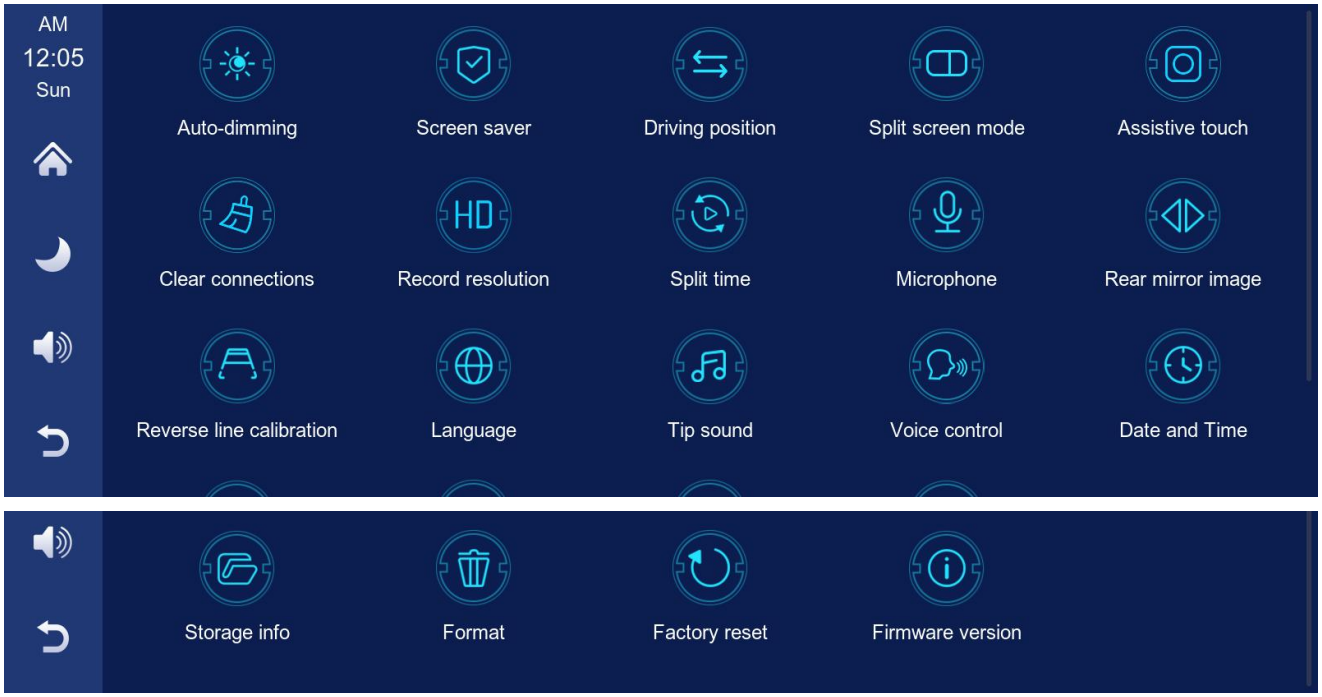
Click the Disconnect button [ ] to actively disconnect the Bluetooth.

After turning on the "Auto Connect" button, even after the mobile phone is disconnected, the machine will automatically try to connect to the phone.

Click the back button[ ] to return to the previous page.

K. Setting

As shown in the figure, click the [ ] button in the lower left corner to enter the setting interface.



Icon	specification
Auto-dimming	Click on [Auto-dimming] to freely set: automatically adjust the brightness time and brightness value.
Screen saver	Click [Screen saver] to enter the settings: Screen saver can be set to: off / 10 seconds / 30 seconds / 1 minute The system will run without corresponding time, and the screen will automatically turn off.

	After entering the screen saver, the screen can be lit at any position on the screen again.
 Driving Position	Click [Driving Position] to enter the setting: You can select left rudder or right rudder. In the shortcut menu bar of Apple CarPlay, select left rudder on the left, and select right rudder on the right.
 Split screen mode	Full-screen or half-screen mode can be set. After you set the half-screen mode, the camera screen will be displayed when you enter the CarPlay or Android Auto screen.
 Assistive touch	[Assistive touch] This is the hover window button in your phone's screen casting mode, you can choose to close or open it. This feature is only supported by CarPlay and Android Auto mode to hide.
 Clear connections	If the customer has changed mobile phones, click to clear the connection records of all previous mobile phones.
 Record resolution	Click to enter the [Record resolution] settings: 1.720P 2.1080P 3.2.5K (different models, options will be somewhat different, subject to the actual object)
 Split time	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.

 Microphone	Click [Microphone] to enter the settings: You can choose to close or open.
 Rear mirror image	You can choose to close or open. This option makes it easier for customers to install the camera flexibly.(just for rear camera)
 Time lapse video (not required)	See the instructions below.
 Reverse Line Calibration	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 etc.
 Tip sound	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)

 Voice control	Click [Voice Control] to enter the settings: Voice control commands are: show front camera / Show rear camera / Turn on display / Turn off display / Show all cameras 5 control commands, after opening the option, in the video interface, say the corresponding command entry, the system will perform the corresponding operation.
 Date & Time	Click on [Date & Time] to enter the settings: Set up separately: year / month / day / time / minute / second / 12H system / 24H system
 Storage info	Can view the memory card 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.
 Factory reset	Click [Factory reset] to enter the Settings: Restore the factory settings, and you restore all the settings to the initial state.
 Firmware version	Click on [Firmware version] to enter the menu: This option is available in the current basic version for easy confirmation.

Voice control:

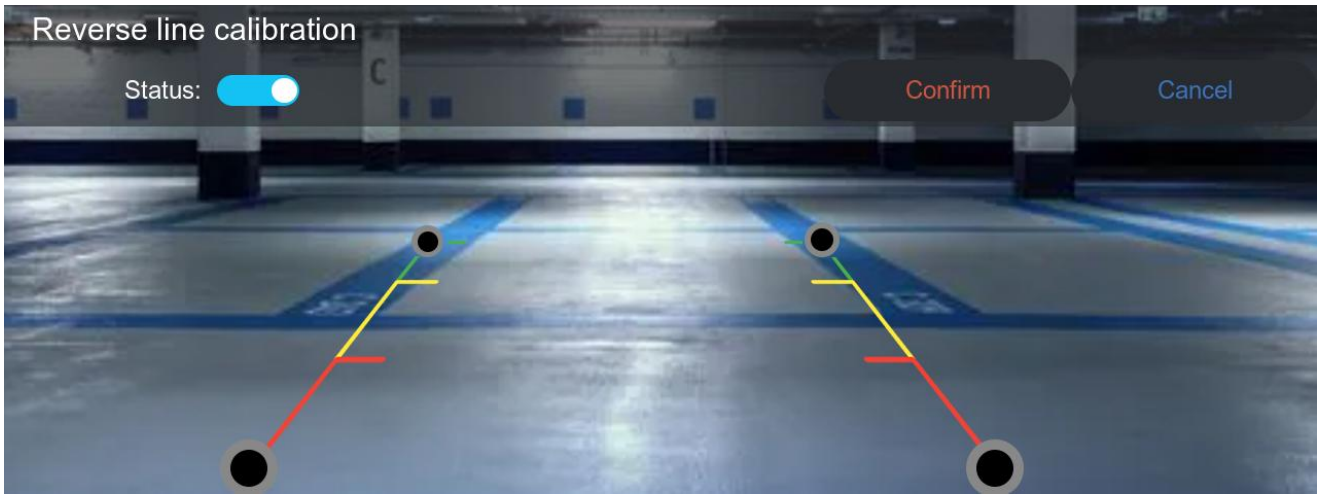
There is no need to touch the screen by hand, and the corresponding operation can be realized only by voice command.

Opening method: setting - voice control - clicking anywhere - opening voice control - speaking command can realize corresponding operations.

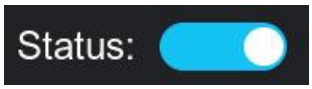
The following commands are supported: Show front camera / Show rear camera / Turn on display / Turn off display / Show all cameras

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

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!

8. Troubleshooting

Item	Problem	Solution
1	Unable to start (Player supports 7V-32V car use, high voltage cannot be used)	①Check whether the head of the cigarette lighter power cord is damaged or aging. ②Check whether the fuse of the power plug is disconnected or burned.
2	Touch screen function failure	①Touch is invalid during power-on, wait for normal power-on before operation. ②Check whether the touch is damaged, do not touch the screen with sharp objects, it is easy to scratch and damage.
3	FM transmitter failed to connect	①Please use the original power cable. ②Please increase the volume of the car audio.

4	The system is stuck or Player overheating	①Avoid direct sunlight or exposure to sunlight during use. The normal operating temperature of player is -4 ~ 149 ℉. ②After disconnecting the power supply, the temperature of player will be lower than 149 ℉ and work normally.
5	CarPlay connection failed	①The first connection takes a little longer. ②Only iPhone supports CarPlay. ③Check that the WiFi and Bluetooth functions of the mobile phone are normal. ④Enter Settings - General -CarPlay vehicle, delete all records and reconnect. ⑤Restart the iPhone and reconnect it.

6	Android Auto connection failed	①Only Android phones are supported. ②Update Auto and related applications on mobile phones to the latest version. ③Do not enable VPN on the mobile phone. ④Check that the WiFi and Bluetooth functions of the mobile phone are normal. ⑤Restart the Android phone and connect it again.
7	The Bluetooth music	①Please set the player 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.

9. Product parameters

Name	Smart player
Chip	High-performance SOC
Wireless system	Apple CarPlay/Android Auto/ Apple Airplay/Mirror Cast/BT
Screen	10.26-inch IPS material,1600*600 resolution
Storage expansion	Class10 TF Card ≤ 256G
Wireless module	Wi-Fi, BT, FM Launch module
Built-in speaker	2 W speaker
FM launch	Adjustable frequency 76MHz-108MHz
Operating Voltage	7V-32V Adaptive
Working power	Less than 10W
Size	268*127*32mm
weight	Approximately 350g including bracket
Material	ABS/PC

FCC Statement

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.
Note: 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.
Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.
The device has been evaluated to meet general RF exposure requirement.
To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).