# 10.26-Inch DVR Player

User Manual

# Directory

# 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.

Power key          Microphone

The power hole
Cable holes for rear cameras
Storage slot
AUX output
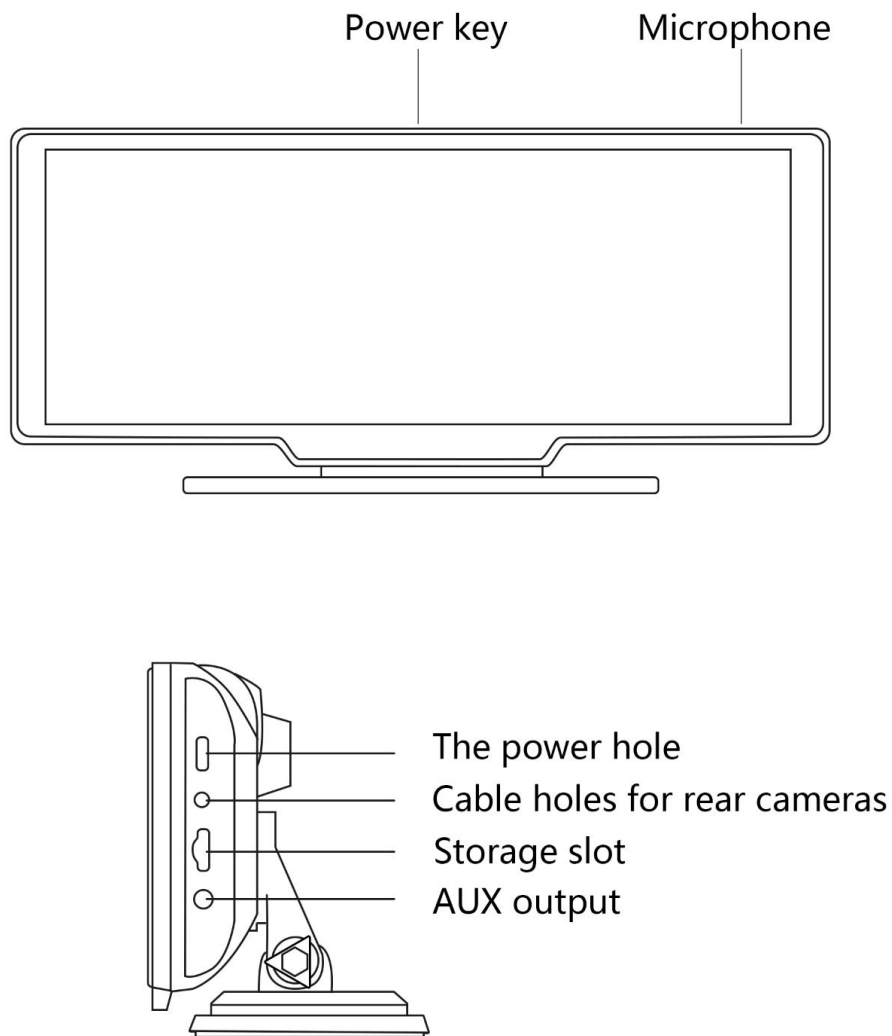
# 2. Product composition list

| 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.)
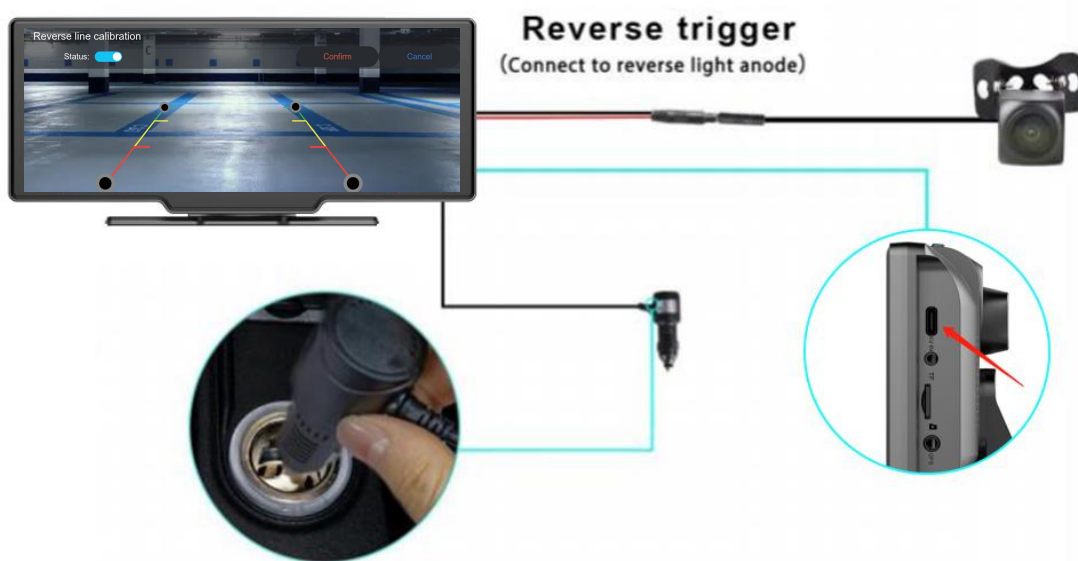
# 7. Interface specification





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.
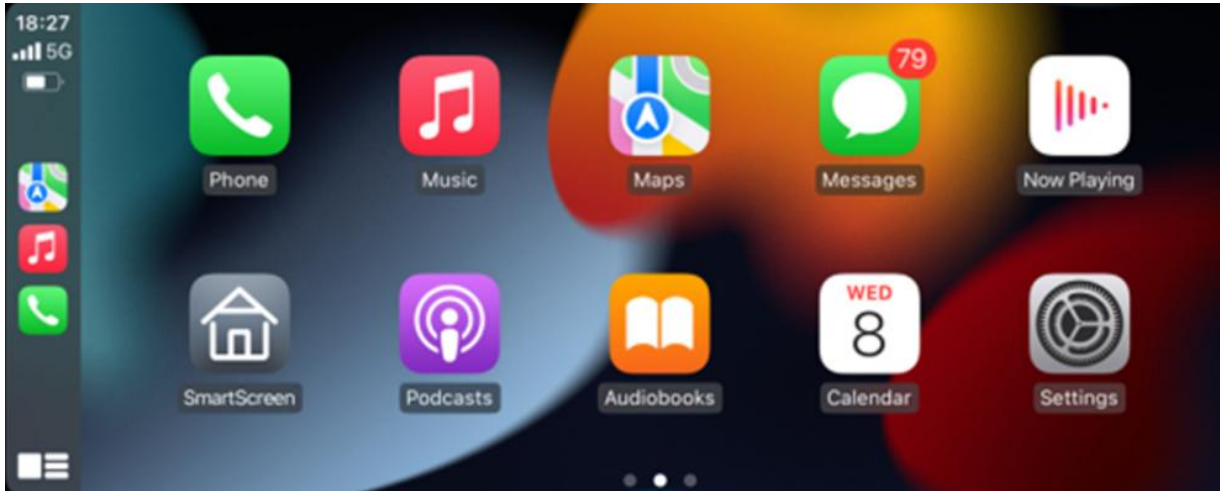
# A. Apple CarPlay

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)
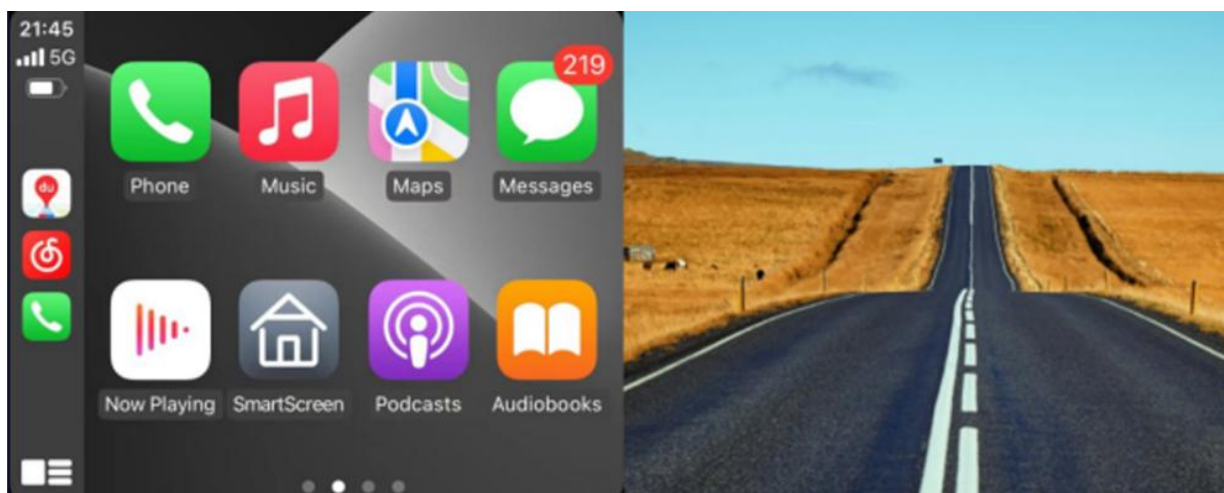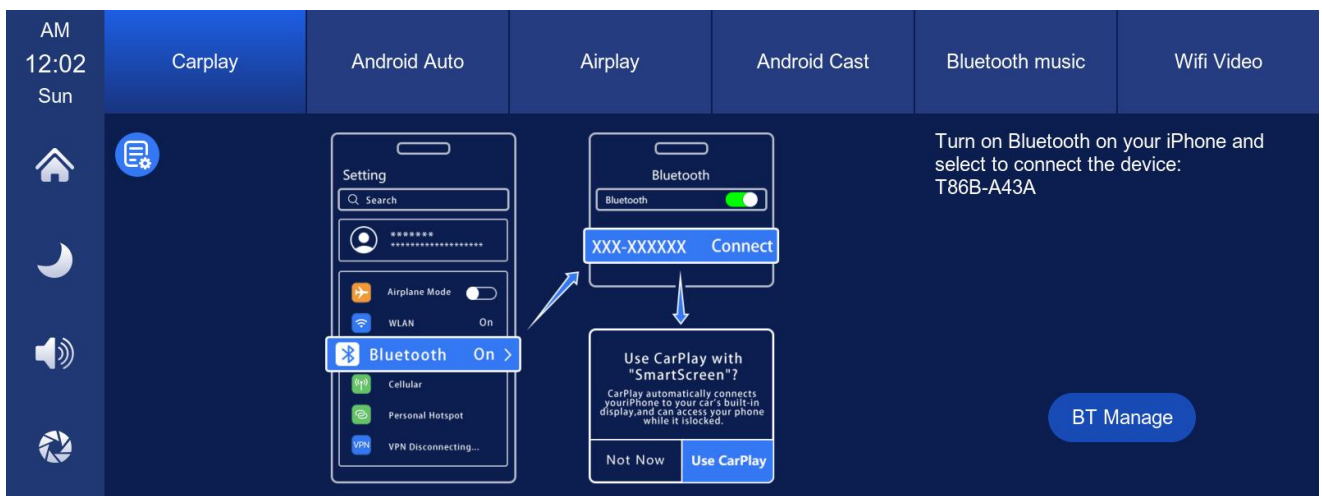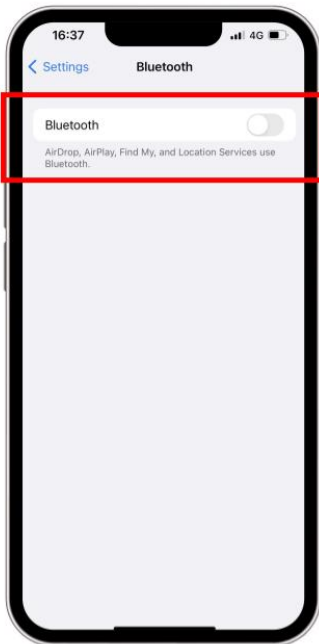
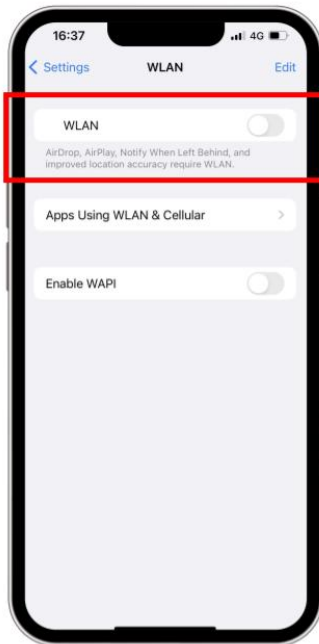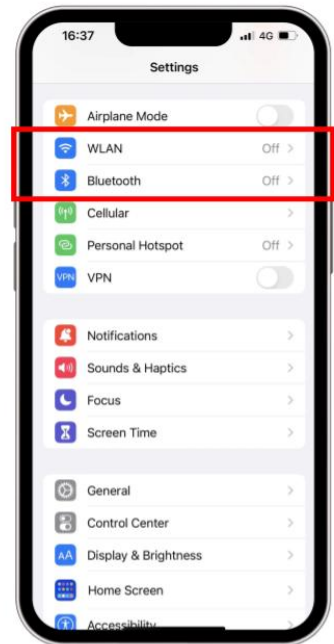(Half screen mode)



(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.)



1                    2                    3

## 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)
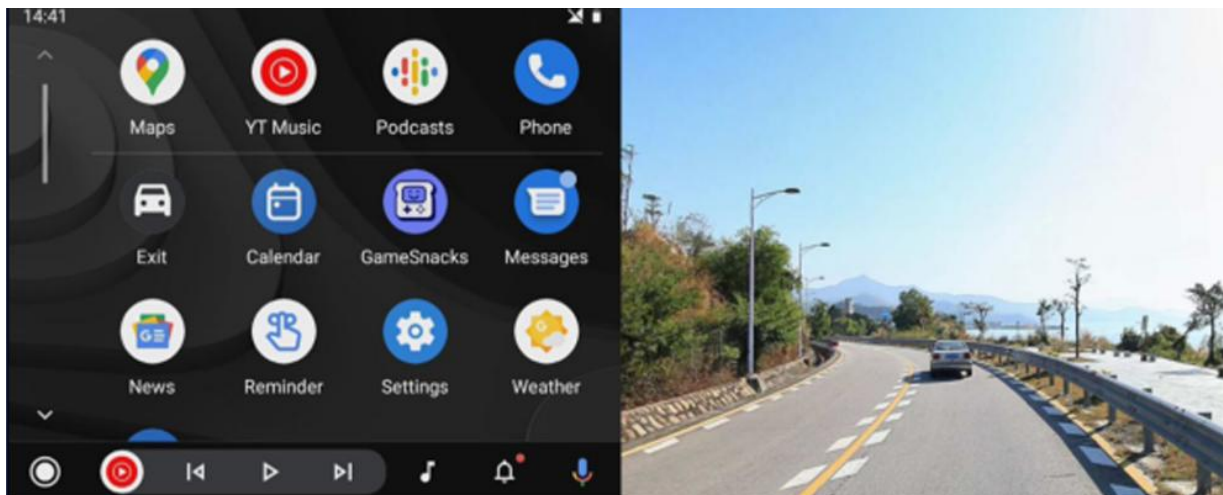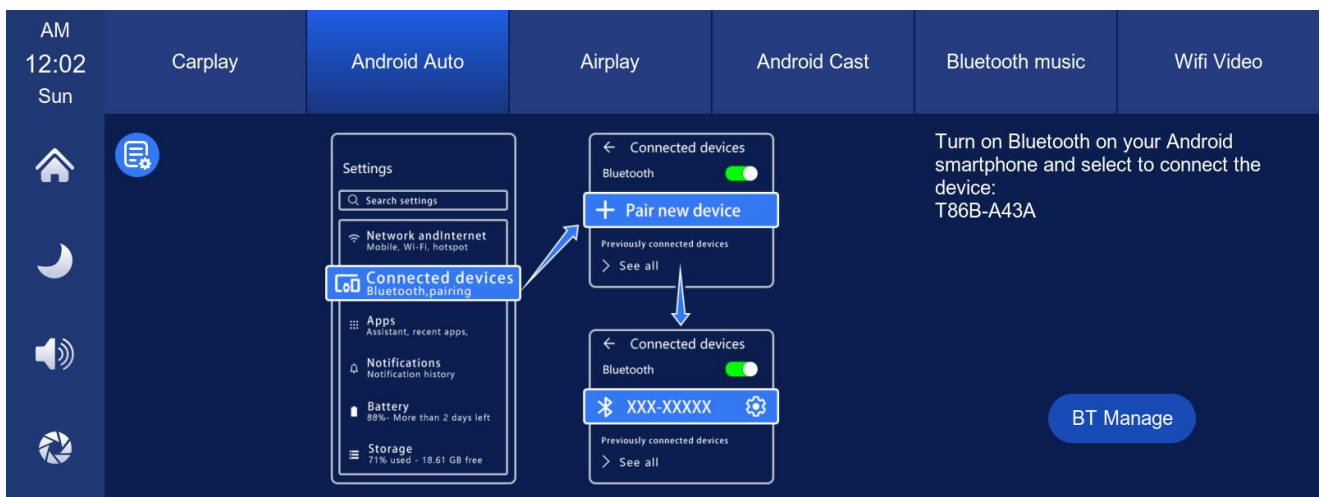




(Half screen mode)
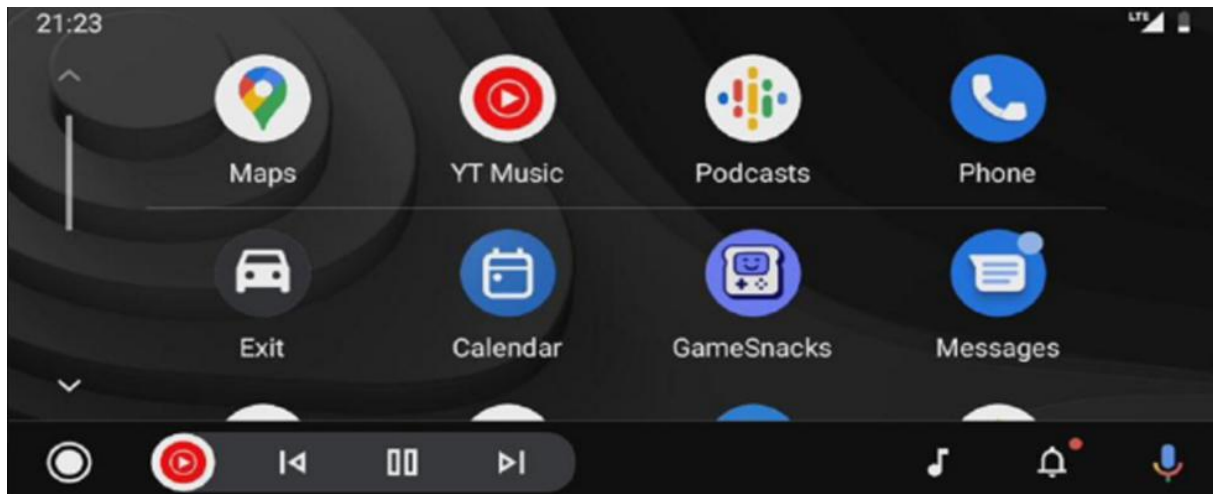
(Hull screen mode)

(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).
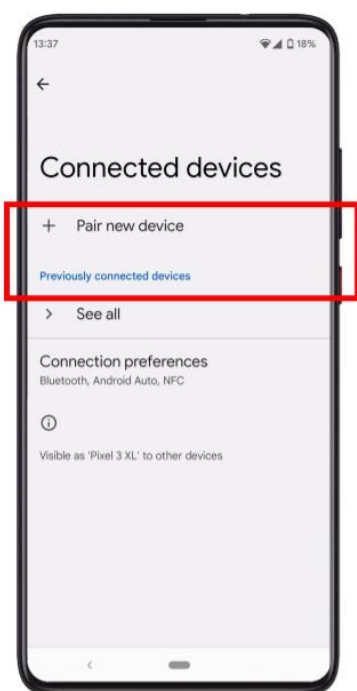


1
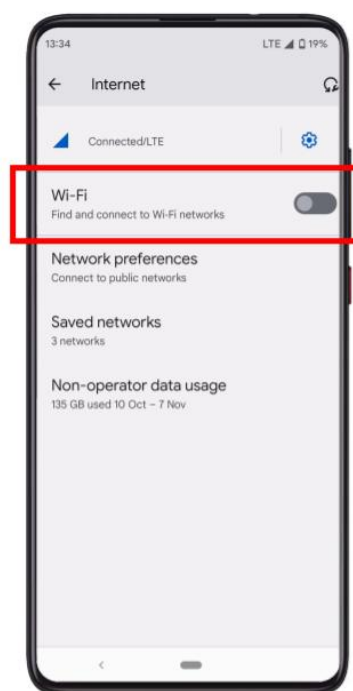
2

## C. Apple Airplay
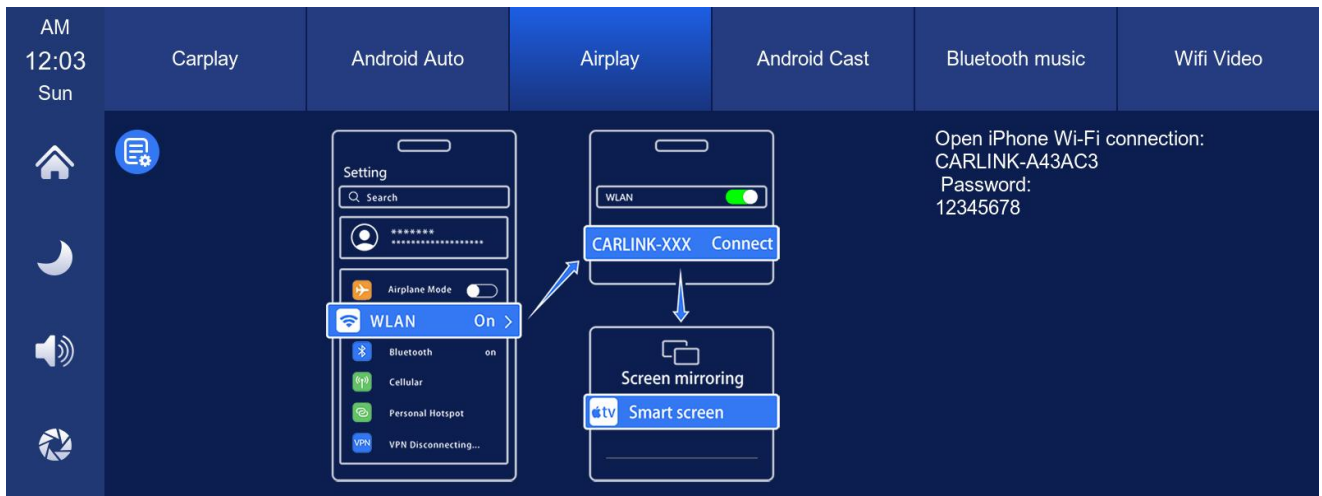


Apple AirPlay can transmit videos, audio and pictures from iPhone to car device to play to watch. It is fundamentally different from the Bluetooth wireless. The transmission carrier is WIFI.

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
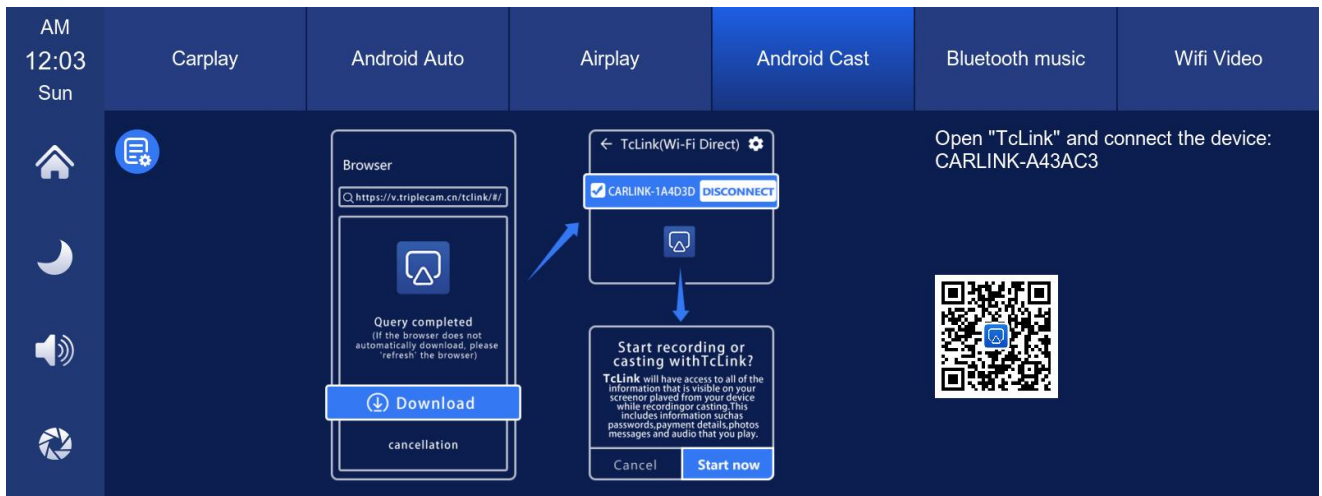


It can realize the mirror projection of the mobile phone and the car machine.

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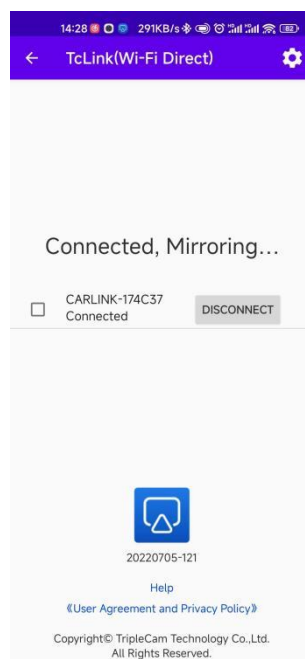


Note: Only supports Android phones

# E. Bluetooth Music
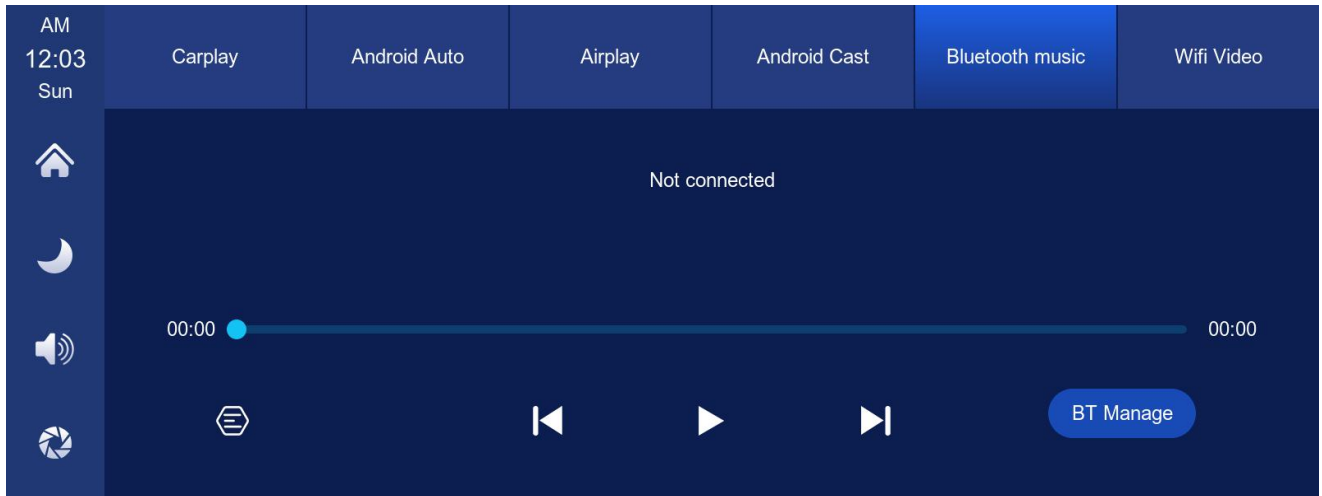


Turn on the Wi-Fi and Bluetooth of the mobile phone first, and select [Bluetooth Music] option. Click the [BT Manage] option on the interface to connect Bluetooth to the mobile phone and start playing music.



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
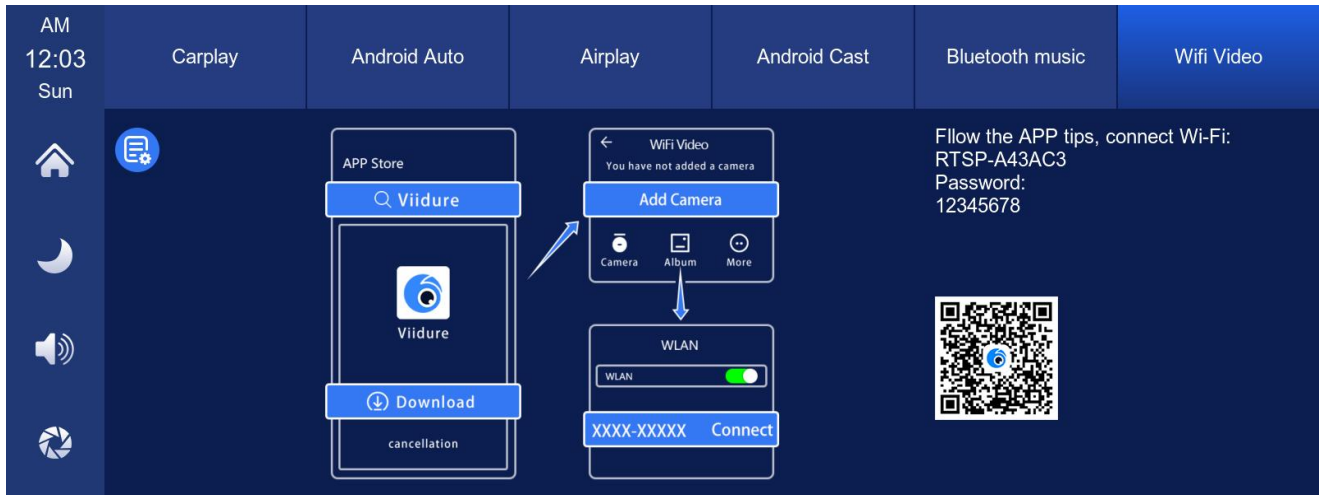


As shown in the above figure, first scan the QR code to download the corresponding app.

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.
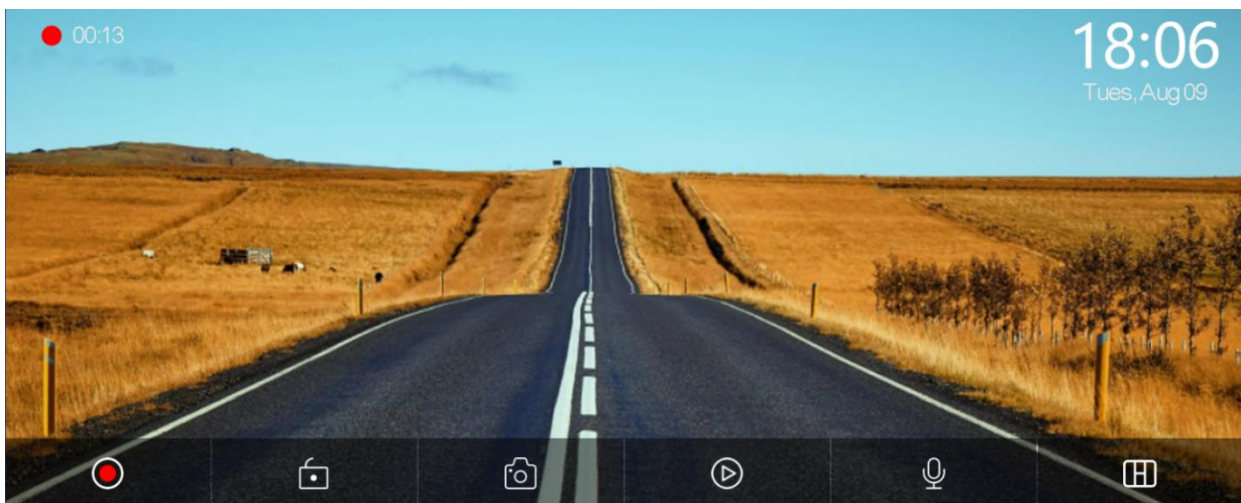


| | |
|---|---|
|  | Start recording and click Close recording again. |
|  | Lock the video for a few minutes and the data will not be deleted. |
|  | Click to take a photo with one click. |
|  | View playback video. |
|  | Turn recording sound on or off. |
|  | Click to switch the camera distribution screen. |

# H. Playback

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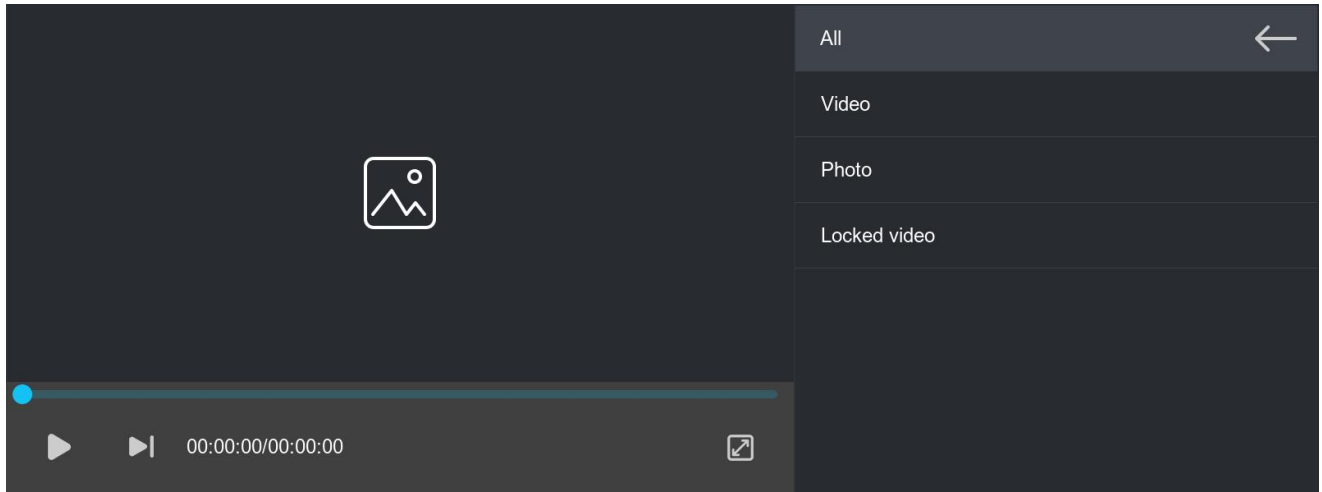


You can click any to play back the video and play the video on the right.

[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.
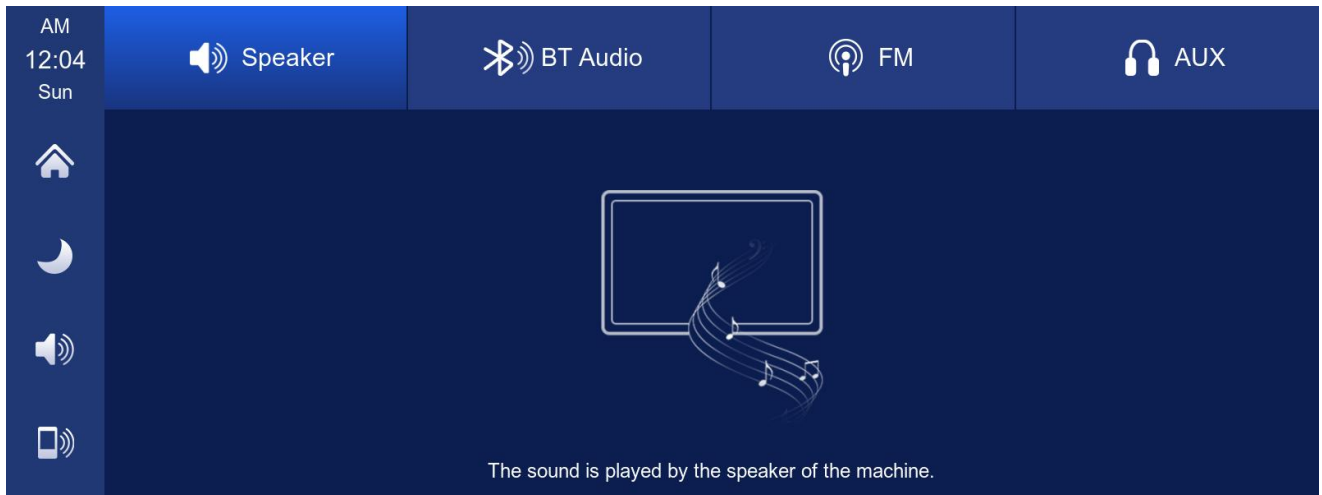


① 【Speaker】: The sound will be played from the speaker of the smart screen.
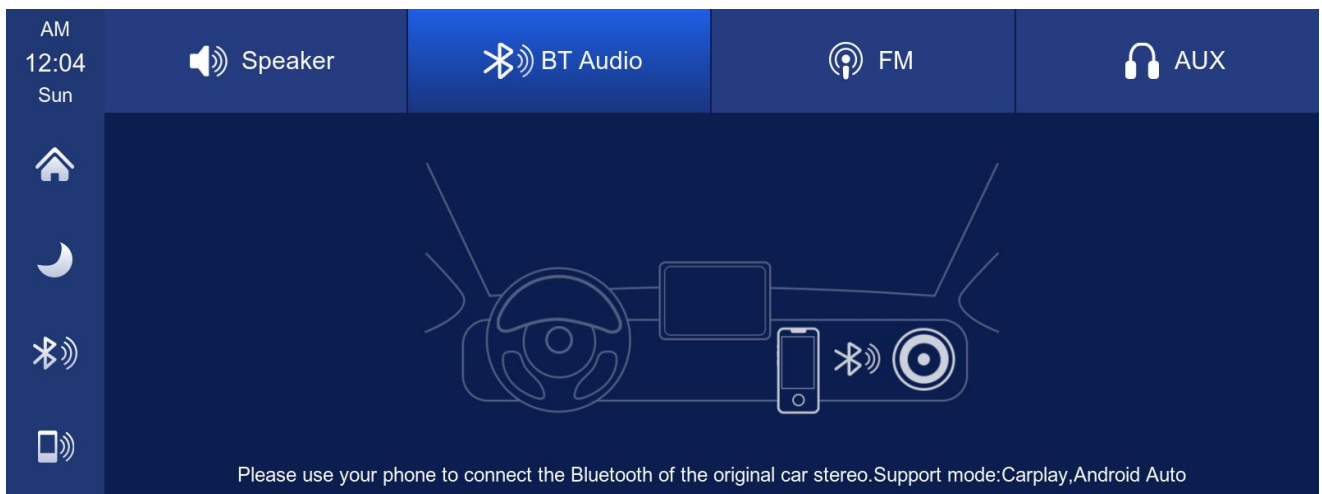


②【Carplay/Auto】: Select this mode, and then connect to【Apple CarPlay】or【Android Auto】to cast the screen, you can use the phone's Bluetooth to directly connect to the original car's Bluetooth. After the connection is successful, all sounds from the device will be transmitted to the original car speakers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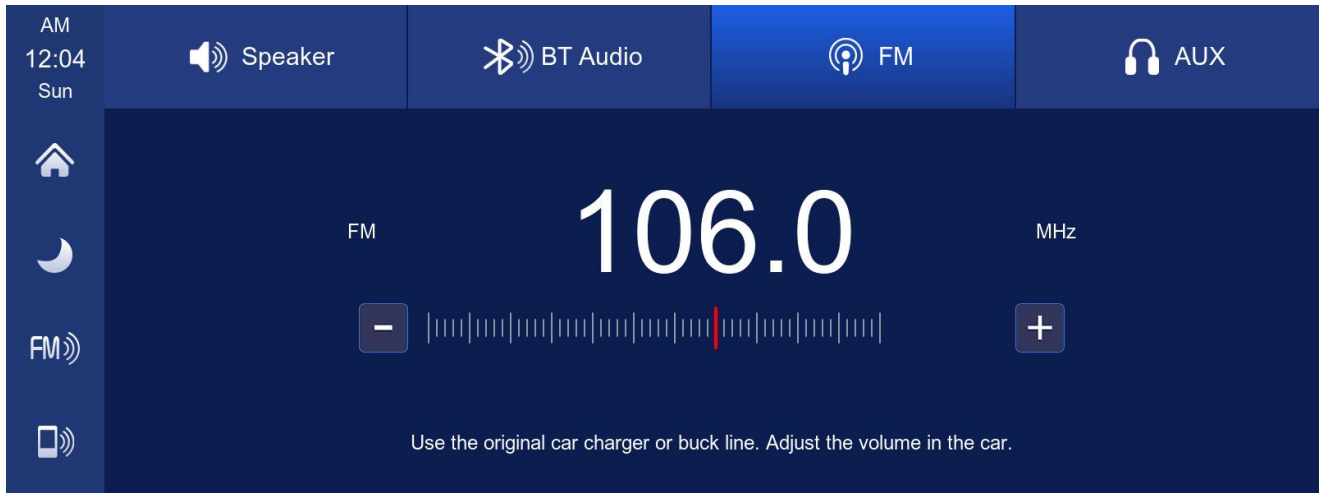


③【FM】: After selecting this mode, the FM transmission mode will be turned on by

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.)

| AM 12:04 Sun | ◀)) Speaker | ✹)) BT Audio | ⊙ FM | ∩ AUX |

Audio is output from the AUX. Adjust the volume on the original car.

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
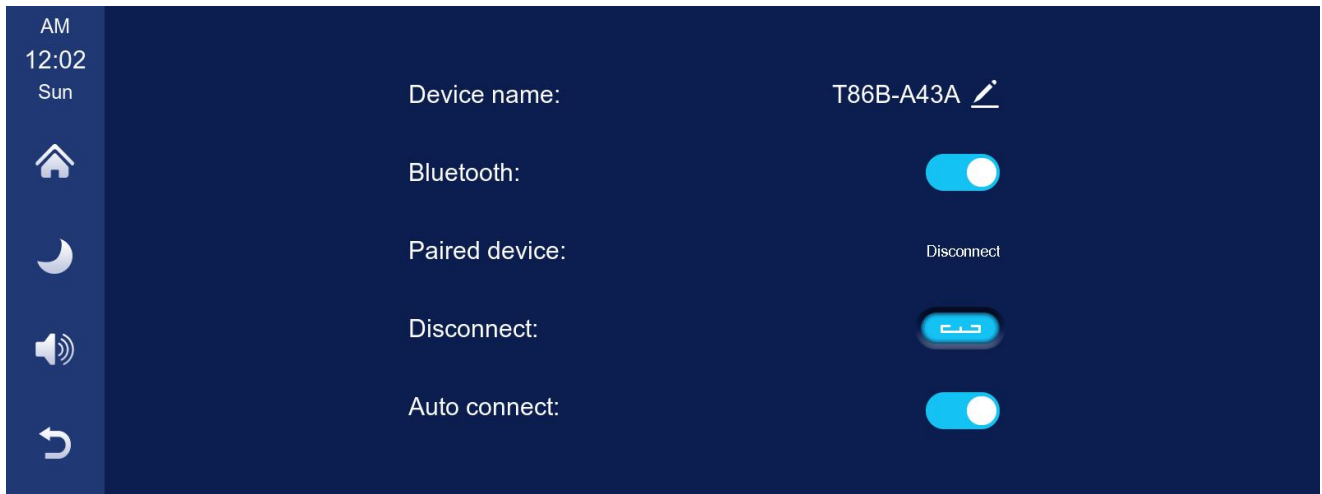


As shown in the figure above, click the Bluetooth button [  ] to switch on the

device after entering the Bluetooth interface.

The page will display the device name, such as: T86-140D07, and click the Modify

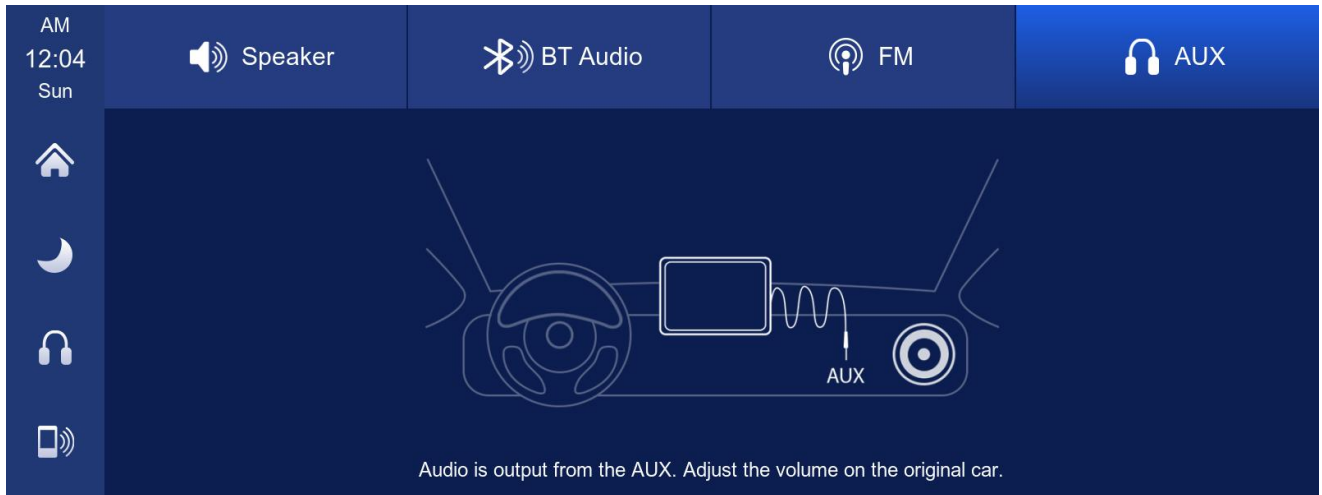button [  ] to modify the Bluetooth name of the device.

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.

| AM 12:05 Sun | | | | | |
|---|---|---|---|---|---|
| ⌂ | Auto-dimming | Screen saver | Driving position | Split screen mode | Assistive touch |
| 🌙 | Clear connections | Record resolution | Split time | Microphone | Rear mirror image |
| 🔊 ↩ | Reverse line calibration | Language | Tip sound | Voice control | Date and Time |

| 🔊 ↩ | Storage info | Format | Factory reset | Firmware version |
|---|---|---|---|---|

| 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: <br> Screen saver can be set to: off / 10 seconds / 30 seconds / 1 minute <br> 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. |

| | |
|---|---|
| <br>**Microphone** | Click [Microphone] to enter the settings:<br><br>You can choose to close or open. |
| <br>**Rear mirror image** | You can choose to close or open.<br><br>This option makes it easier for customers to install the camera flexibly.(just for rear camera) |
| <br>**Time lapse video**<br><br>(not required) | See the instructions below. |
| <br>**Reverse Line**<br><br>**Calibration** | See the instructions below. |
| <br>**Language** | Click [Language] to enter the settings:<br><br>Language can be set up: Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese etc. |
| <br>**Tip sound** | Click on the [Reminder tone] to enter the settings: you can choose to turn it off or on.<br><br>After selecting off, the power on sound effect and touch and button sound effects will be turned off.<br><br>(Different models may have different options, subject to the actual product) |

| | |
|---|---|
| **Voice control** | Click [Voice Control] to enter the settings:<br><br>Voice control commands are: show front camera / Show rear camera / Turn on display / Turn off display / Show all cameras<br><br>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:<br><br>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:<br><br>This option formats all data information inserted.<br><br>It is recommended to manually form format the first insert SD card to ensure sufficient card capacity.<br><br>Note: It is recommended that users manually format the SD card regularly. |
| **Factory reset** | Click [Factory reset] to enter the Settings:<br><br>Restore the factory settings, and you restore all the settings to the initial state. |
| **Firmware version** | Click on [Firmware version] to enter the menu:<br><br>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:
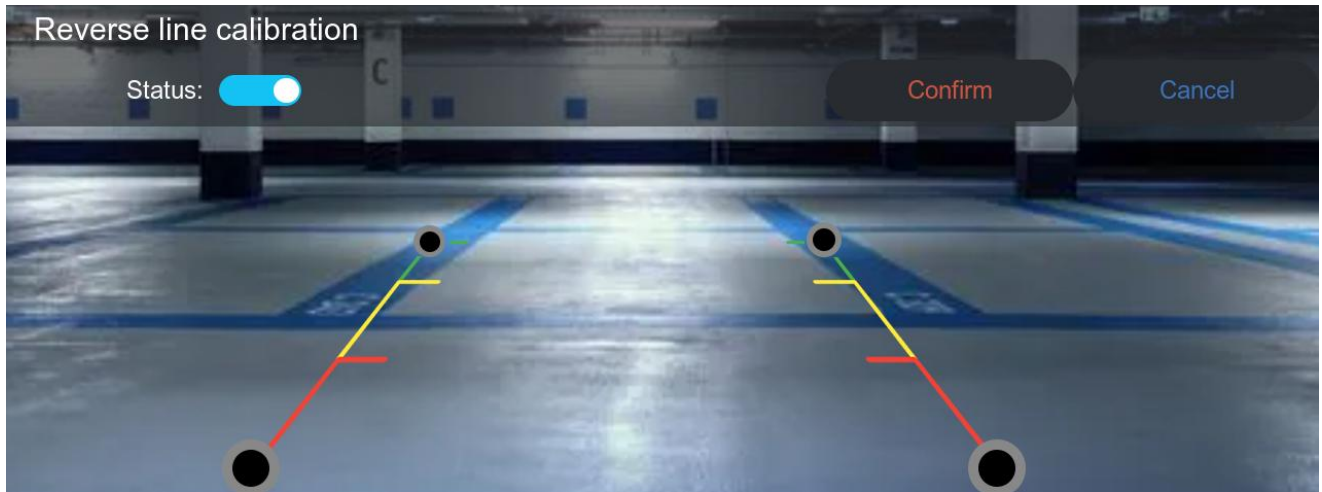


Park the car in the middle of the parking space.

 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 ℉.<br>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.<br>②Only iPhone supports CarPlay.<br>③Check that the WiFi and Bluetooth functions of the mobile phone are normal.<br>④Enter Settings - General -CarPlay vehicle, delete all records and reconnect.<br>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).