# T86DVR 10.26 Inch Smart Screen Player

User Manual

# Directory

1. Product overview..... - 3 -

2. Product composition list..... - 4 -

3. Product description..... - 5 -

4. SD card specifications..... - 7 -

5. Wiring instructions..... - 8 -

6. Camera installation..... - 9 -

7. Interface specification..... -10 -

A. Apple CarPlay..... - 11 -

B. Android Auto..... - 12 -

C. Bluetooth Music..... - 13 -

D. Dvr..... - 14 -

E. Bluetooth..... - 15 -

F. Playback..... - 16 -

G. FM Transmit..... - 17 -

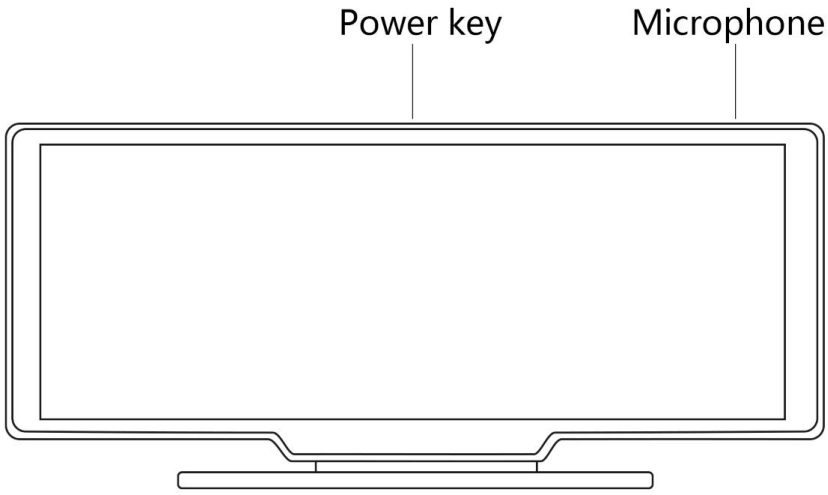
H. Setting..... - 18 -

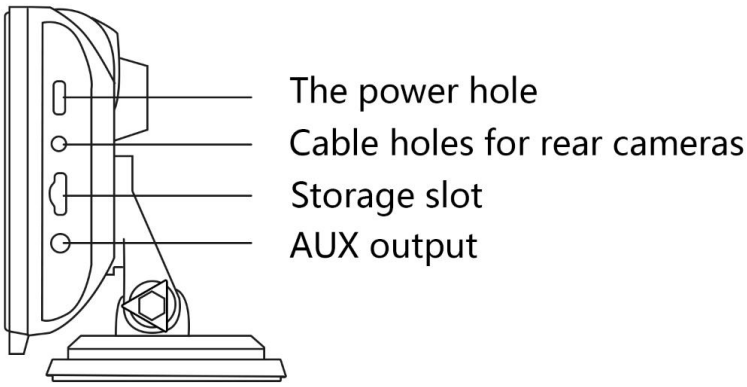
8. Troubleshooting..... - 27 -

9. Product parameters..... - 30 -

# 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 / FM Transmit / 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 |
| SD card （optional） | | 32G Class10 SDcard | 1 |
| Camera extension cord | | Rear view / 10m/BMW head/one male and one female / dual shielding /4 cores | 1 |

# 3. Product description

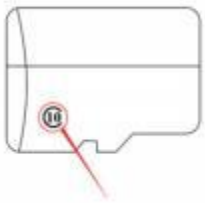
| Project | Function introduction | Performance indicators |
|---|---|---|
| System | Language | Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean |
| | Interface | Graphical menu operation |
| | Mode of operation | Touch |
| Video input | Video 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 | 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 and Android Auto |
| | Bluetooth | Support Bluetooth music playback |
| | FM | FM Transmit 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 ℉ |
| | The cooling way | Passive cooling |
| | 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

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.



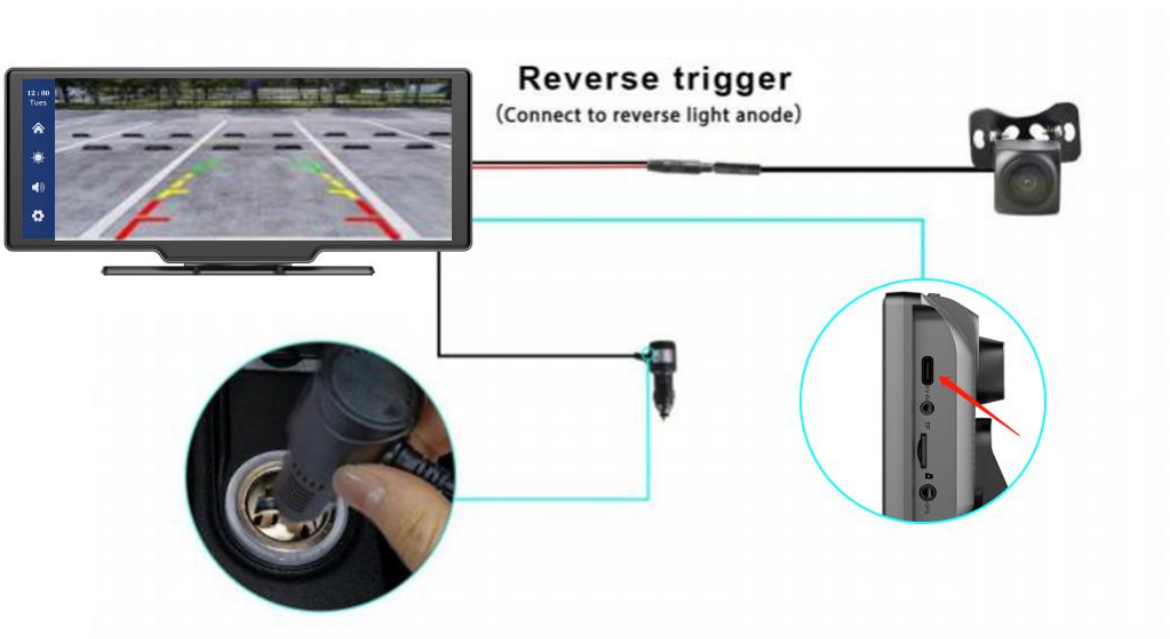
# 5. Wiring instructions

The details are as follows:

| Port | Instructions |
| --- | --- |
| Type C interface | Monitor power supply interface |
| Cigarette charger | The cigarette lighter takes power directly<br><br>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:** 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 **Settings button:** Click to jump to the settings interface

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

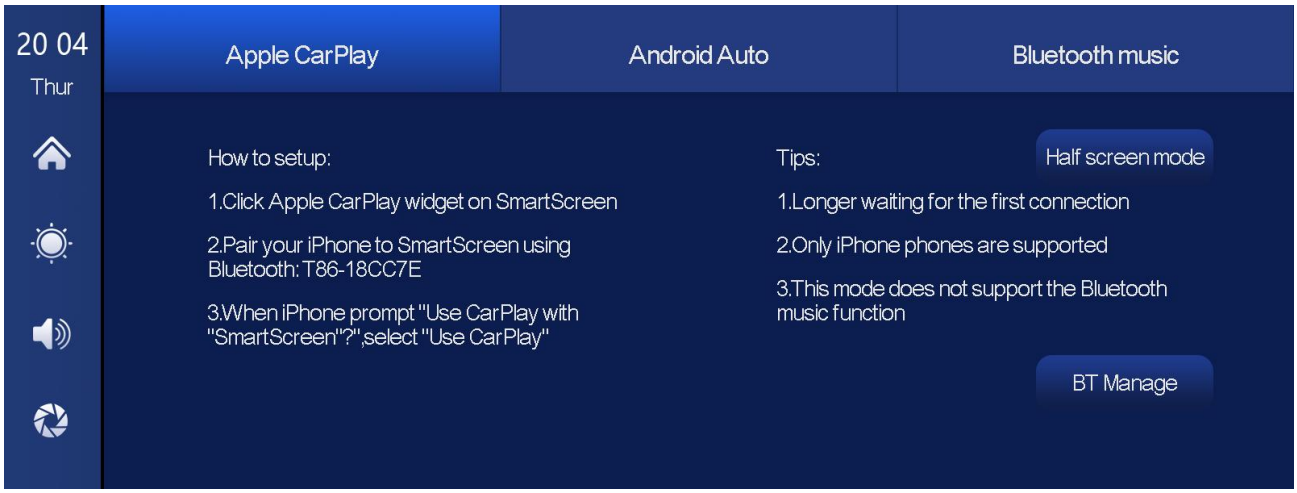
⑨ **Playback:** Tap to view a video on the video screen

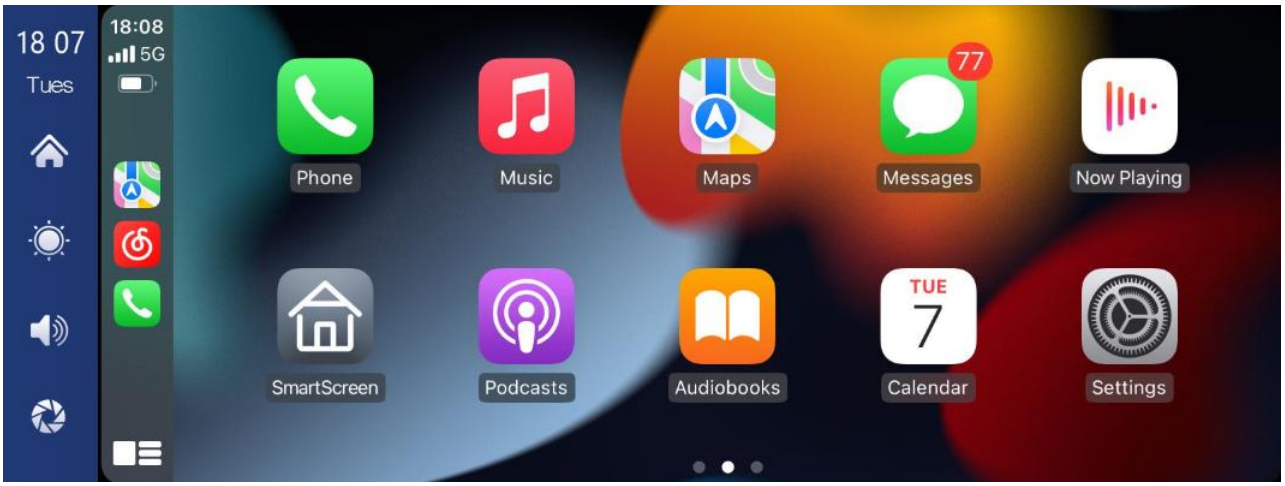
⑩ **FM Transmitter:** When turned on, the device will transmit the sound to the original vehicle

## A. Apple CarPlay

As shown in the figure, click the [Apple CarPlay] button to enter the Apple CarPlay. Turn on the Wi-Fi and Bluetooth of the mobile phone first, then as shown in the figure below, select the [Apple CarPlay] 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 CarPlay option only supports iPhone phones, Android phone please select [Android auto] option)

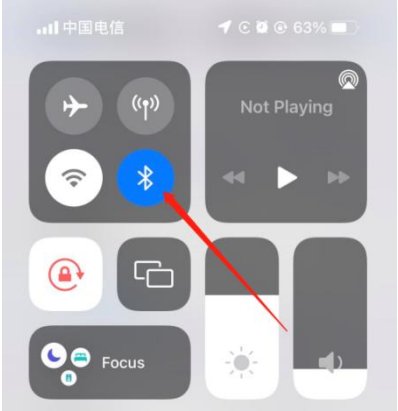



(Hull screen mode)

(Half screen mode)

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.

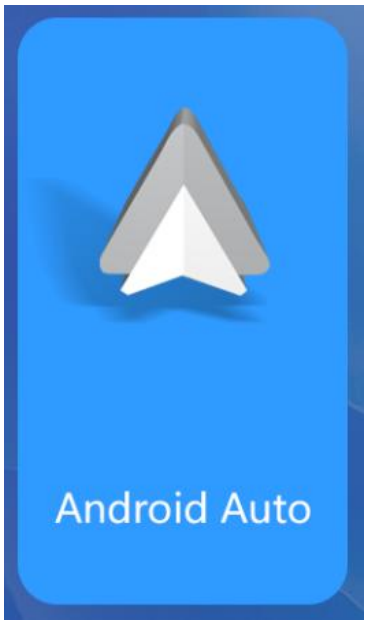



①

②

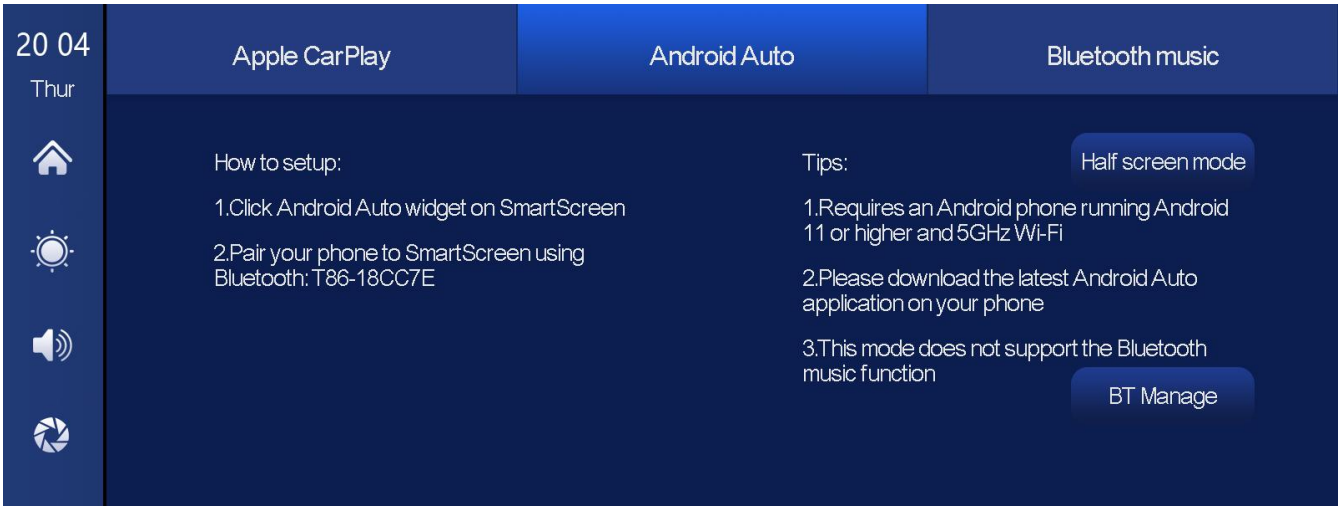
③

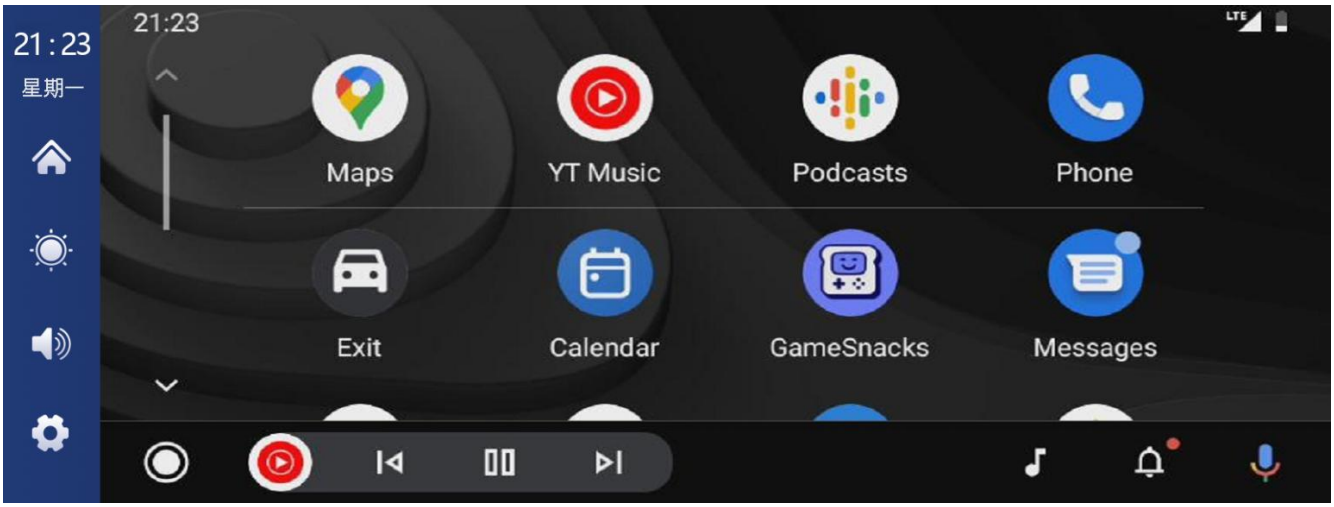
## B. Android Auto



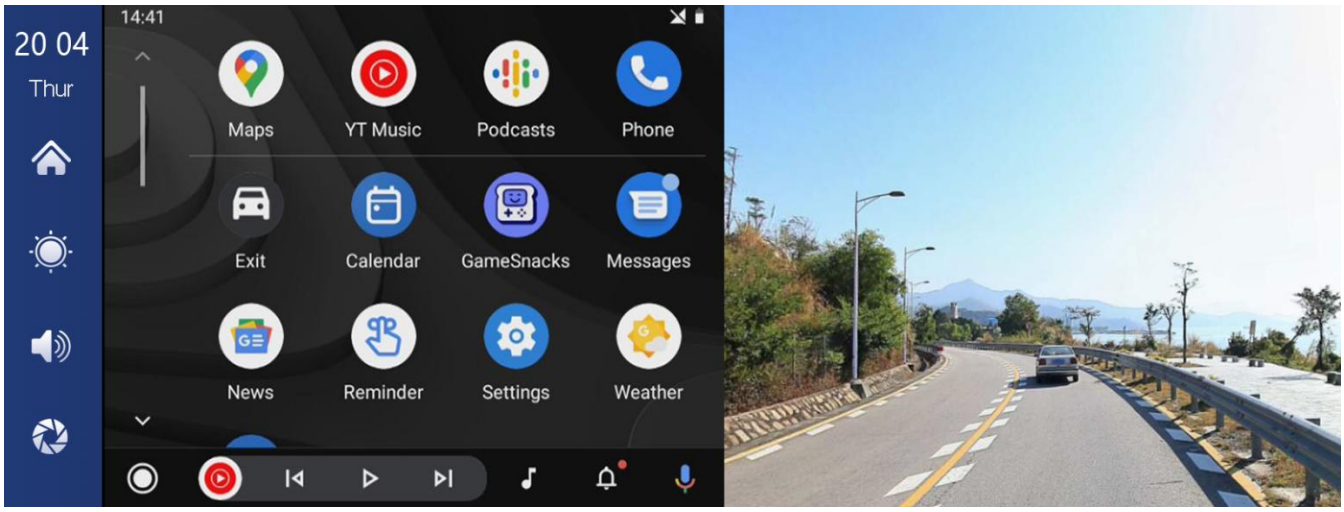

As shown in the figure, click the [Android Auto] button to enter the Android auto. Turn on the Wi-Fi and Bluetooth of the mobile phone first, then as shown in the figure below, select the [Android auto] option, click the [BT Manage] option of the interface, connect Bluetooth with the phone, you can open 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)



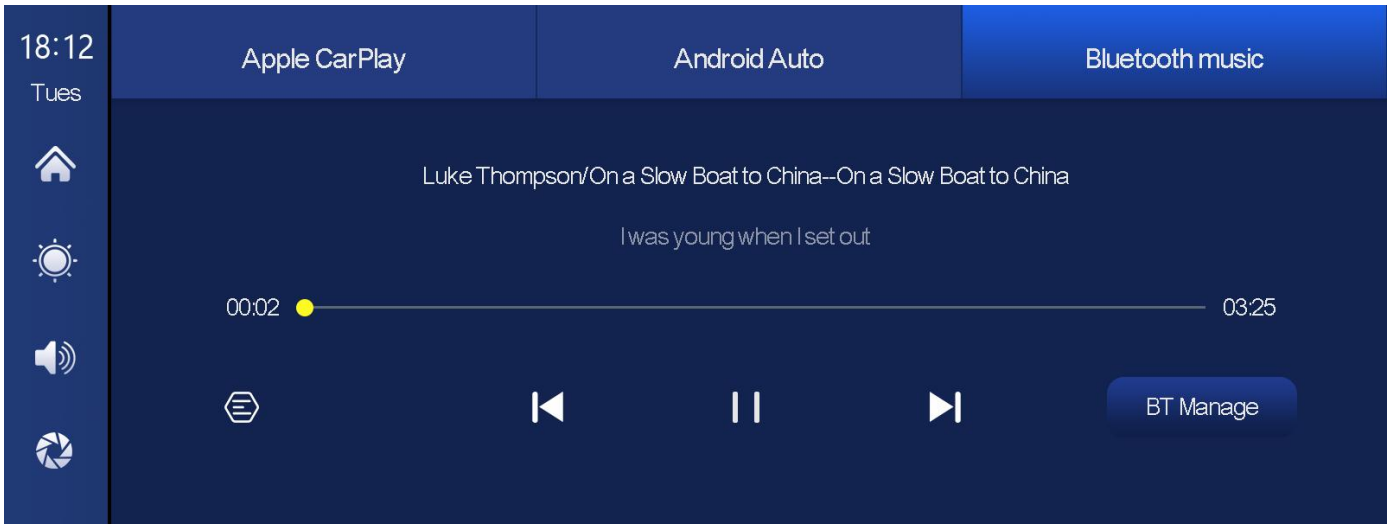



(Hull screen mode)




(Half screen mode)

## C. Bluetooth Music




You can find Bluetooth Music by clicking the button Apple CarPlay 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.

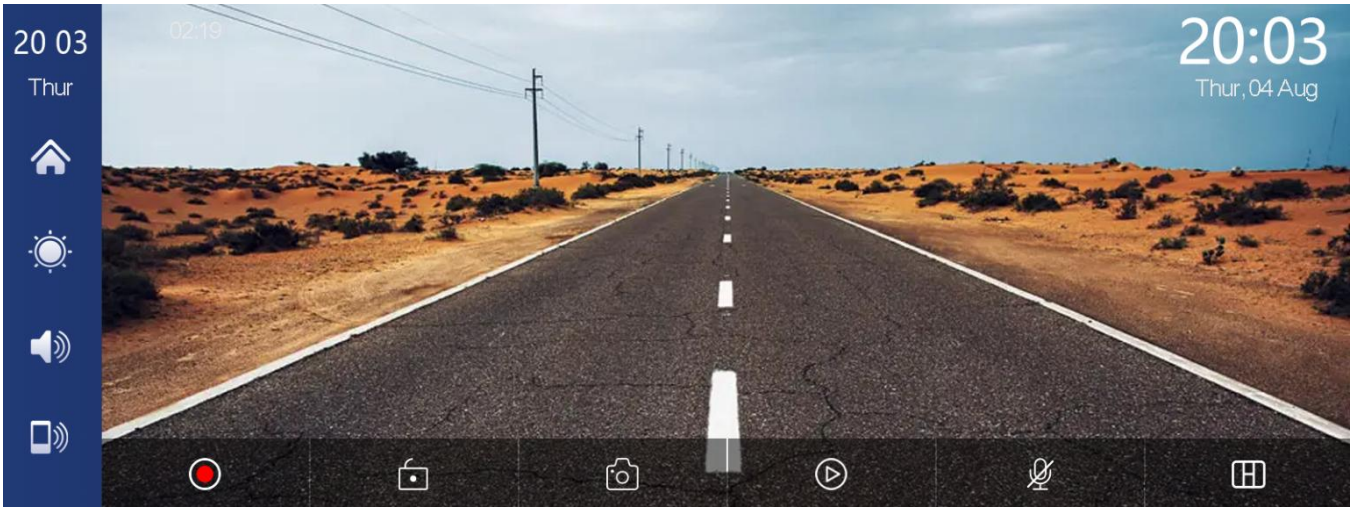
Click on the Lyrics button [ ] to display the lyrics.

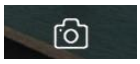
Click the [ ] button to enter the Dvr screen.

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

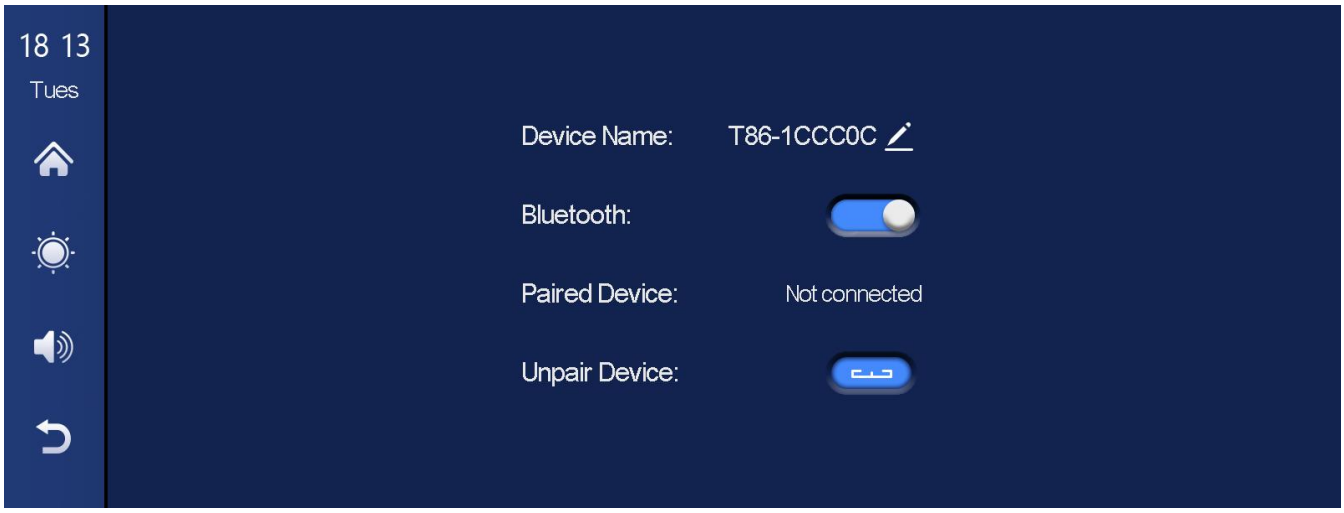
## D. Dvr

As shown in the picture above, 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 |

## 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.

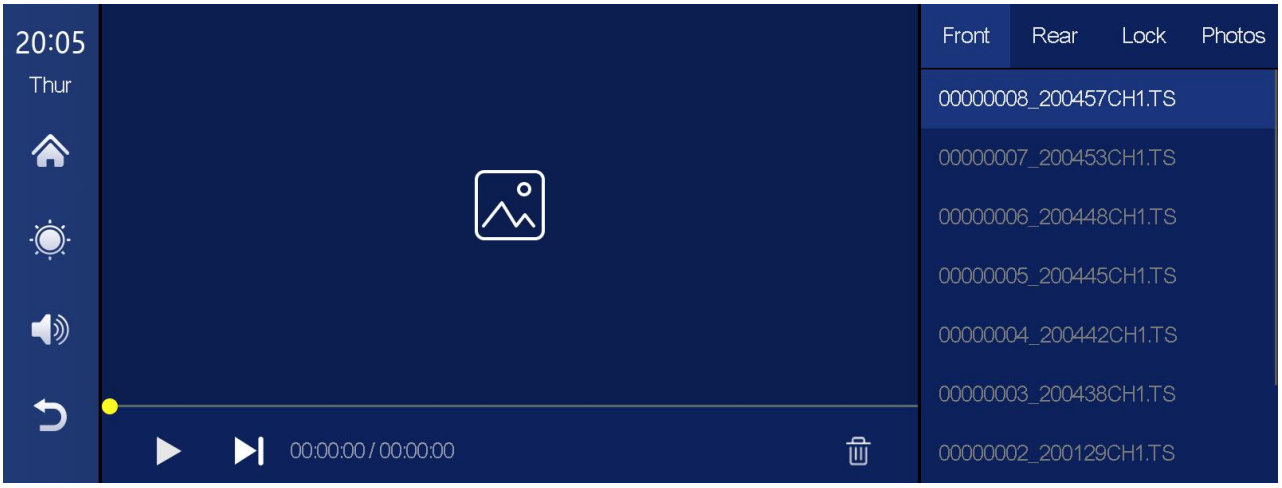
After connecting to Bluetooth, you can use the call function:

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

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

## F. 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.

**[Front]** cyclic video shot by the front camera.

**[Rear]** a circular video shot by the rear camera.

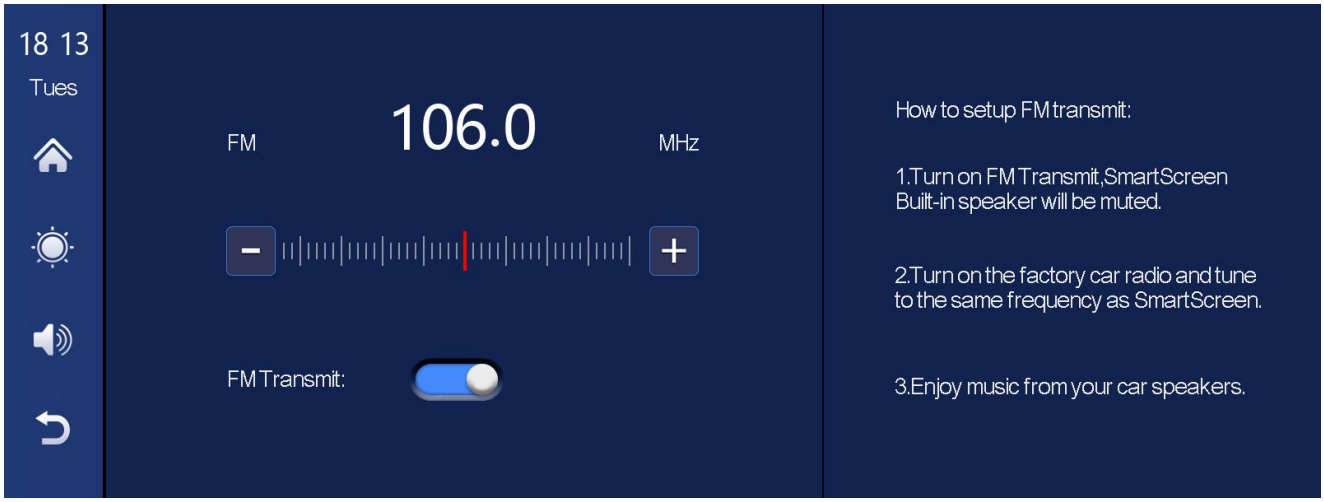
**[Lock]** Click the video saved after locking.

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

## G. FM Transmitter

As shown in the figure, click the [FM Transmitter] button to enter the FM Transmit function: it can emit the sound of the equipment, receive it with the original car radio, and play it through the original car horn, enjoying the original car level. When you turn on the FM Transmit option, the monitor will no longer emit any sound. At this time, you need to turn off the FM Transmit or match the sound to the car's builtin stereo to have sound.

（Not using the original power cord will cause the FM Transmit signal to deteriorate or the function cannot be used.）




① Click the Open device [ ] button.

② Selects the frequency band to be emitted, for example, the FM 106.0 MHZ.

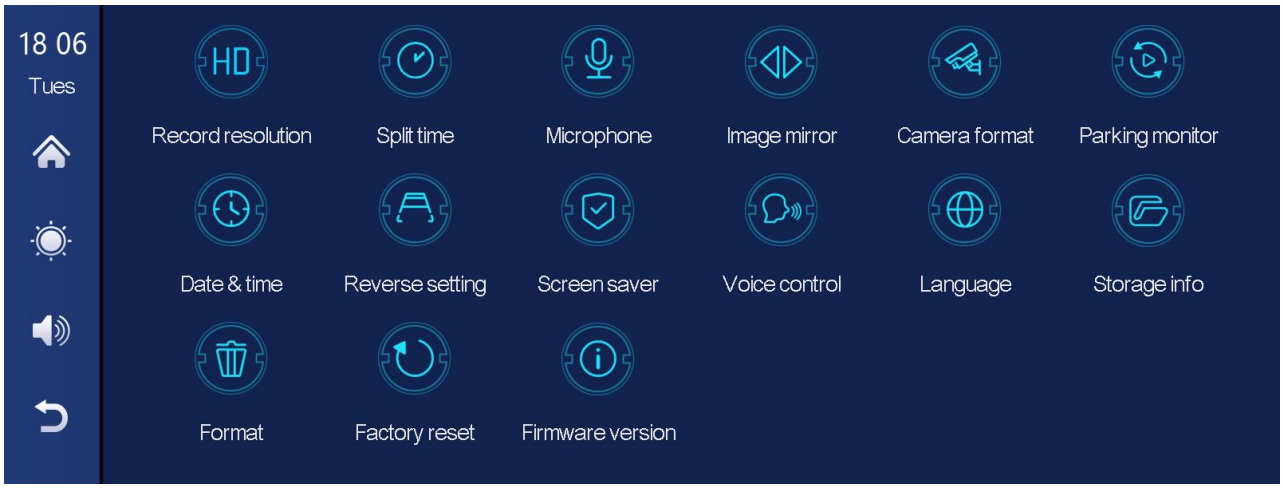
③ Car radio also adjusts the acceptance band to FM 106.0 MHZ.

④ Car radio can connect to the FM Transmit signal of the upper system.

After the FM launch connection is successful, all sounds will be sent to the original car speaker for play.

## H. Setting

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



| Icon | specification |
| --- | --- |
| <br>**Record resolution** | Click to enter the Record resolution settings:<br>Resolution selection: 720P+720P / 1080P+1080P |
| <br>**Split time** | Click [Split time] to enter the setting of the video segmentation time:<br><br>Video segmentation time is optional: 1 minutes / 3 minutes / 5 minutes.<br><br>The system defaults to 3 minutes. |
| <br>**Microphone** | Click [Microphone] to enter the settings:<br><br>You can choose to close or open. |
| <br>**Image mirror** | Click [Image mirror] to enter the settings: You can choose to close or open.<br><br>This option makes it easier for customers to install the camera flexibly. |
| <br>**Camera format** | Click on [Camera format] to enter the settings:<br>Support 720P and 1080P.<br><br>Two systems, choose the standard camera system.<br><br>Note: Choosing the irrelevant camera system will lead to abnormal display and video images. If the camera display screen or color is abnormal, please check whether the corresponding camera system is selected. |

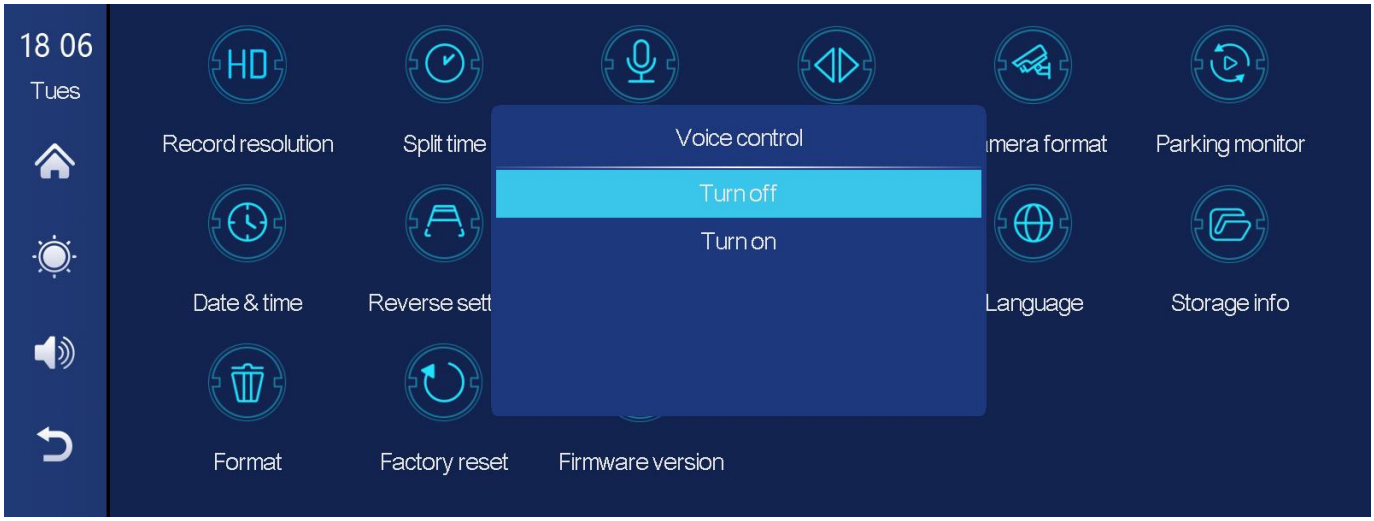
| | |
|---|---|
| <br>**Parking monitor**<br>(not required) | See the instructions below. |
| <br>**Time config** | Click on [Time config] to enter the settings:<br><br>Set up separately: year / month / day / time / minute / second |
| <br>**Reversing control** | See the instructions below. |
| <br>**Screen saver** | Click [Screensaver] to enter the settings:<br><br>Screen saver can be set to: off / 10 seconds / 30 seconds / 1 minute<br><br>Set 10 seconds or 1 minutes, the system will run without corresponding time, and the screen will automatically turn off.<br><br>After entering the screen saver, press the power button again to light up the screen.thepower power button to light up the screen. |
| <br>**Voice control** | See the instructions below. |

| | |
|---|---|
| **Language** | Click [Language] to enter settings: Language can be set: Simplified Chinese/Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean |
| **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:<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. |
| **Reset factory** | Click [Reset factory] to enter the Settings:<br><br>Restore the factory settings, and you restore all<br><br>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.

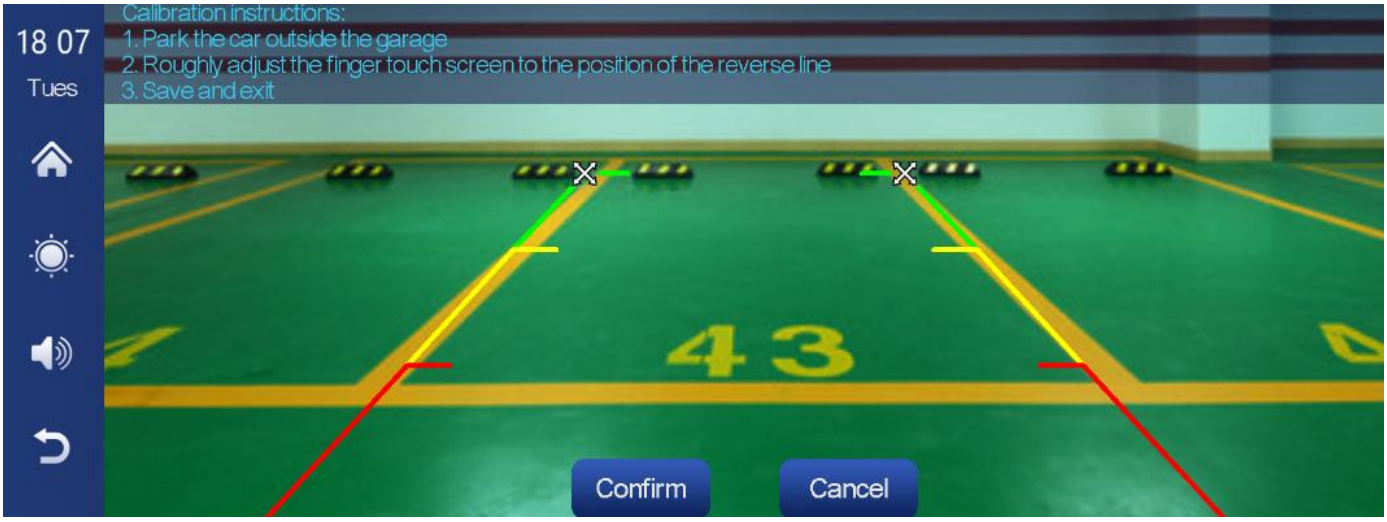
Opening method: setting - voice control - clicking anywhere - opening voice control - speaking command language can realize corresponding operations.




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

## Reversing control:

Click [Reverse Line Calibration] to enter the settings:




Park the car in the middle of the parking space, manually drag [ ], adjust the position of the reversing auxiliary line up, down, left and right, so that the reversing auxiliary line and the parking line are level with the ground.

After adjusting the reversing line, click [Save Calibration] to confirm.

## Parking monitor:

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 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.<br><br>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.<br><br>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.<br>② Whether the AVIN interface is inserted to the bottom.<br>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 ℉. After disconnecting the power supply, the temperature of T86 will be lower than 149 ℉ and work normally. |
| 5 | Carplay cannot connect | ① The 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 cannot connect | ① Only Android phones are supported.<br>② Update Auto and related applications on mobile phones to the latest version.<br>③ Do not enable VPN on the mobile phone.<br>④ Check that the WiFi and Bluetooth functions of the mobile phone are normal.<br>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.

# 9. Product parameters

| | |
|---|---|
| Model | T86DVR 10.26 |
| Master control | High performance SOC |
| Wireless function | Wireless Apple Carplay, Wireless Android Auto |
| Screen | 10.26 inches IPS material，1600*600 resolution |
| Storage | SD ≤ 256G Class 10 |
| Wireless module | WiFi, Bluetooth, FM launch module |
| Camera | Rear camera |
| Horn | 2 W speaker |
| FM emission | Supported frequency band: 87MHz-108MHz |
| Reversing video | Automatic reversing video display |
| Working voltage | 7V-32V |
| Power | Less than 10W |
| Size | 260*130*66mm |
| Weight | 350g |
| Material | ABS/PC |

# FCC warning statements:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.