T86DVR 9.3 Inches Smart Player

User Manual

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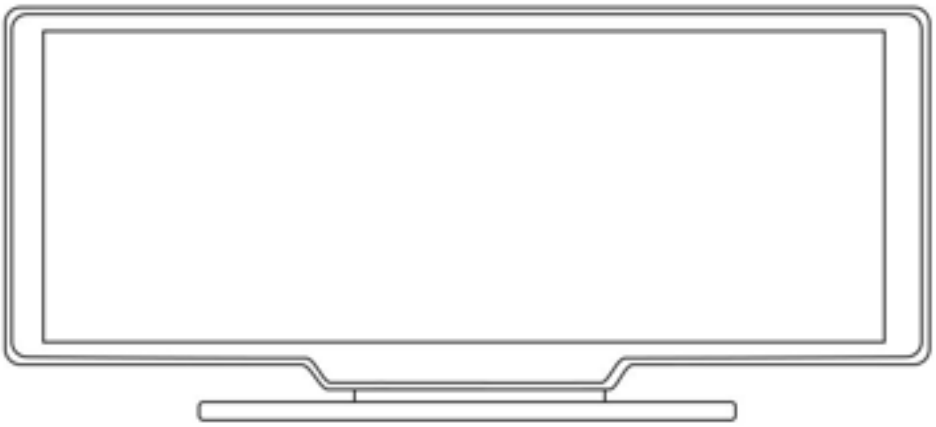
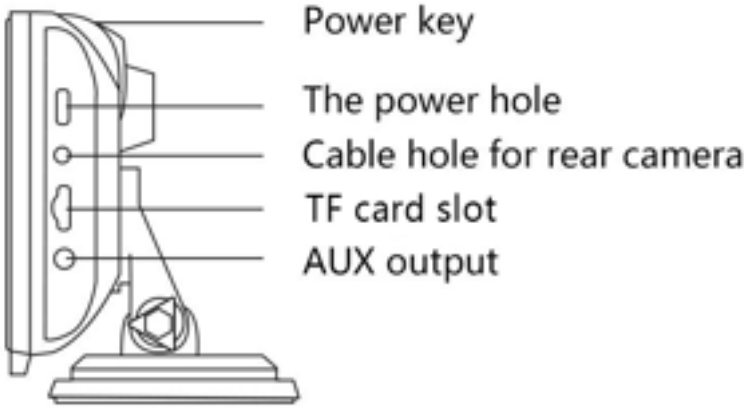
1. Product overview

The T86DVR 9.3 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		9.3 -inch FHD display (1600*600) / 2 -channel camera interface/touch control / Bluetooth / Wi-Fi / FM Transmit / TF card recording / Type C interface power supply	1
The power cord		Type C power cord/ 6V~36V / 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
TF card （optional）		32G Class10 TF card	1
AUX cable		Audio signal transmission cable/3.5mm jack	1
Parking monitoring line		Type-C power cable/Parking monitoring line / 12V-24V /3A	Optional

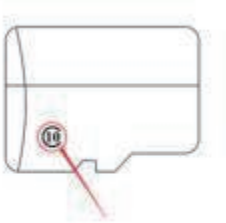
3. Product description

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 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	9.3-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 / 1 min / 5 min
Reverse display	Reverse display	Automatically switches to the rear view
	Astern line adjustment	Adjust the reversing line for various models
Smart + connected	Wi-Fi	Supports Apple CarPlay and Android Auto
	Bluetooth	Support Bluetooth music playback

	FM	FM Transmit support, connected to the car radio
The video store	TF card	CLASS10 U1 : 32GB minimum and 128GB maximum
Audio part	The microphone	Support microphone recording, you can turn it off in the menu
	Voice control	Support voice control, you can turn it off in the menu
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 you can switch it in the menu

4. TF card specifications

The quality of TF card has a great impact on the stability of video recording. To record video safely, use TF 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

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

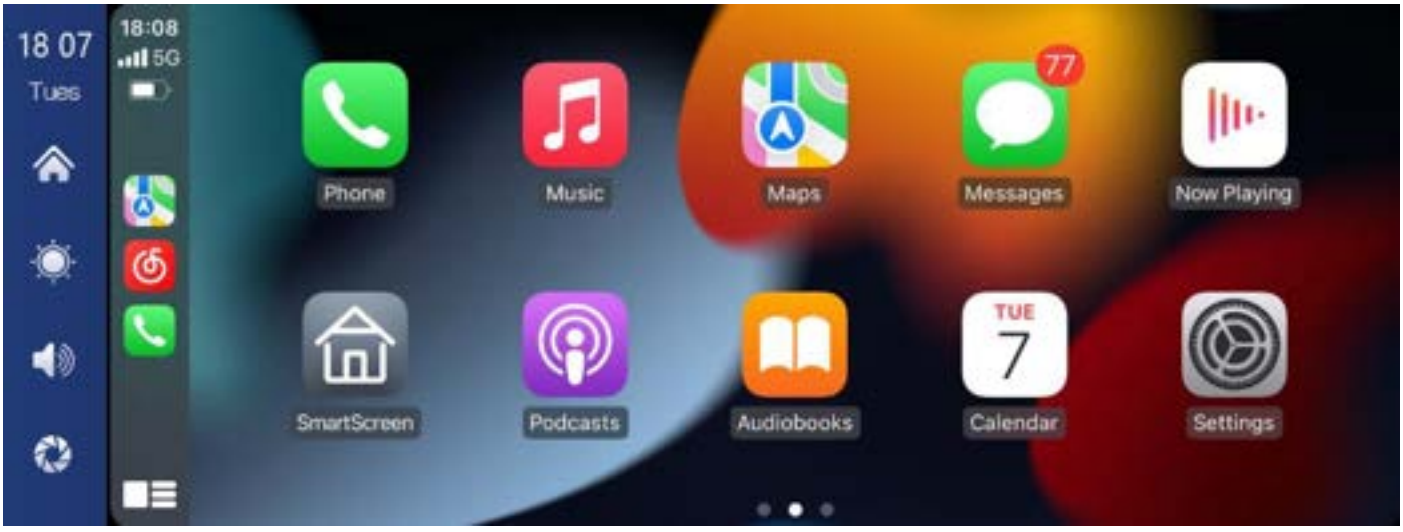
⑨ **Video Playback:** Tap to view a video on the video screen

⑩ **FM Transmit:** When turned on, the device will transmit the sound to the car audio

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.

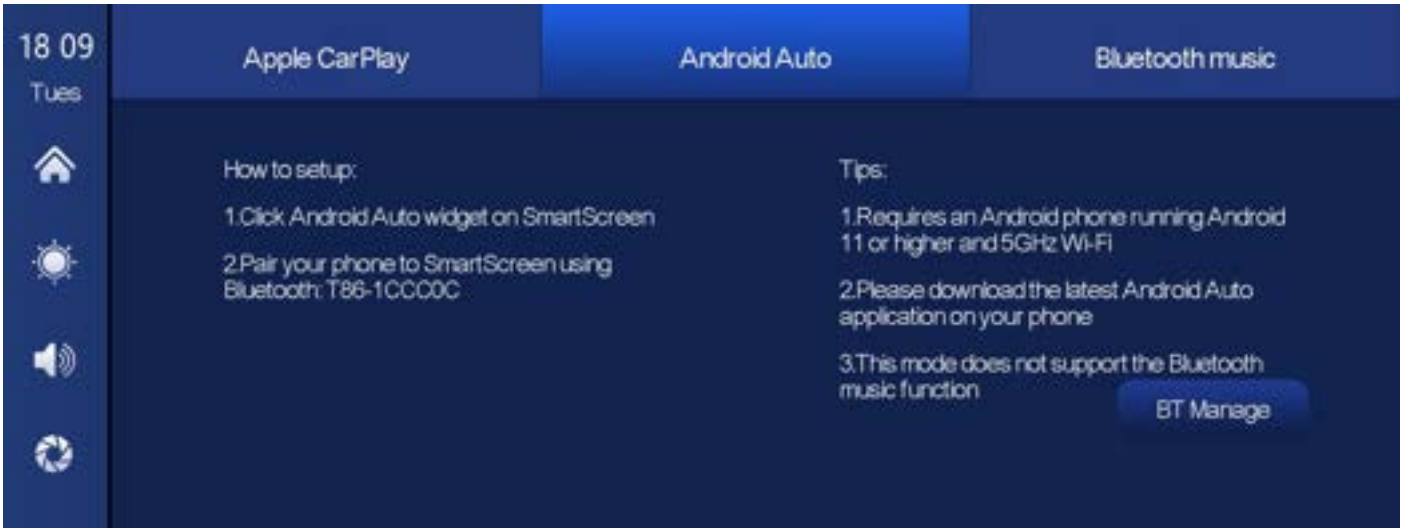
(Turn off your phone's Wi-Fi to disconnect, Apple CarPlay option only supports iPhone phones, Android phone please select [Android auto] option)

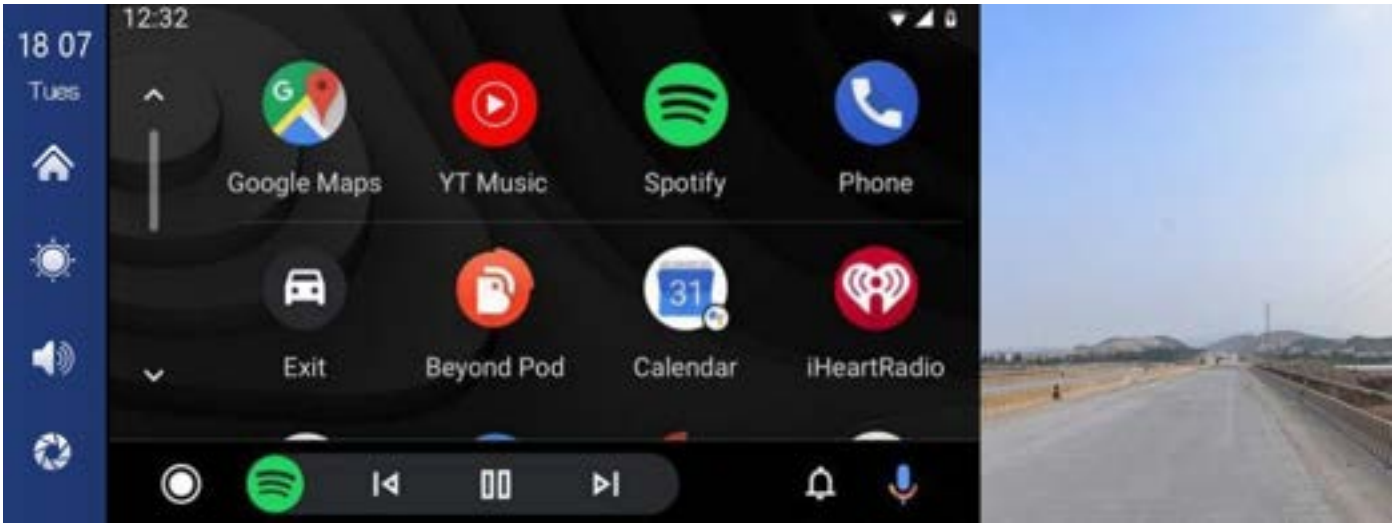


B. Android Auto

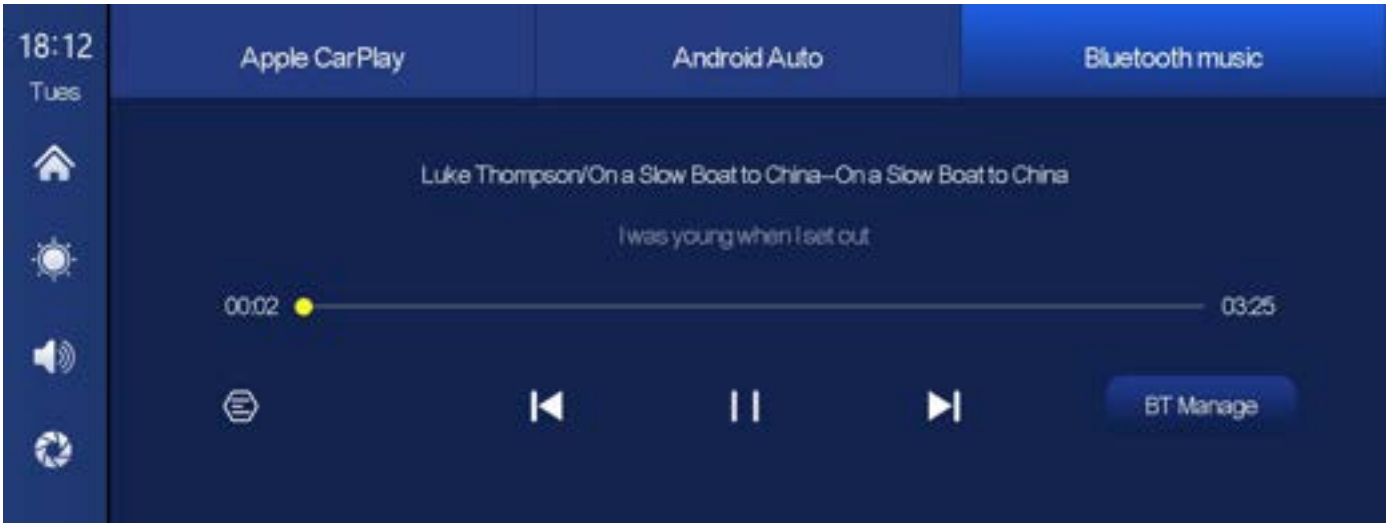
As shown in the figure, click the [Android Auto] button to enter the Android auto. Turn on the Wi-Fi and Bluetooth of the mobile phone first, then as shown in the figure below, select the [Android auto] option, click the [BT Manage] option of the interface, connect Bluetooth with the phone, you can open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





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.

	Click to start recording, click again to close recording.
	Click to view the playback video
	Click to turn on or off the recording sound
	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 in the figure above, swipe the home page to view the next page options and click the [Playback] button on the second page to enter the video playback interface.

Click any video on the right to view video playback or parking surveillance video.

The buttons in the lower left corner correspond to: "Play/Pause" and "Next". [▶ ⏭]

Click the [⮌] button in the lower left corner to return to the main interface.

G. FM Transmit

As shown in the figure, click the [FM Transmit] 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
 Record resolution	Click to enter the Record resolution settings: Resolution selection: 1080P/720P
 Split time	Click [Split time] to enter the setting of the video segmentation time: Video segmentation time is optional: 2 minutes / 3 minutes / 5 minutes. The system defaults to 3 minutes.
 Microphone	Click [Microphone] to enter the settings: You can choose to turn on or turn off.
 Image mirror	Click [Image mirror] to enter the settings: You can choose to turn on or turn off. This option makes it easier for customers to install the camera flexibly.
 Camera format	Click on [Camera format] to enter the settings: Support 720P and 1080P. Two systems, choose the standard camera system. 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.

 Parking monitor (not required)	See the instructions below.
 Time config	Click on [Time config] to enter the settings: Set up separately: year / month / day / time / minute / second
 Reversing control	See the instructions below.
 Screen saver	Click [Screen saver] to enter the settings: Screen savers can be set to: Turn off / 1 min / 5 min When set for 1 or 5 minutes, the system operates for no corresponding time, and the screen will automatically extinguish. After entering the screensaver, then press thepower power button to light up the screen.
 Voice control	See the instructions below.
 Language	Click [Language] to enter the settings: Language can be set up: Simplified Chinese / traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese

 Storage Information	Click [Storage Information] to enter the menu: You can view the information of the TF card. The former item indicates the remaining available capacity, and the former item indicates the total capacity.
 Format	Click [Format] to enter the settings: This option formats all data information inserted. It is recommended to manually form format the first insert TF card to ensure sufficient card capacity. Note: It is recommended that users manually format the TF card regularly.
 Reset factory	Click [Reset factory] to enter the Settings: Restore the factory settings, and you restore all the settings to the initial state.
 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 - turn on 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 on [Reversing Control] to enter the settings:

The reversing line has two options: Close / Open

Close: The reversing assist line is not switched on at any time.

Reverse assist line is optional: single screen display / multi-screen display

Click [Calibration] to enter the settings:

Park the car in the middle of the parking space.

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

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

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

Parking monitor:

In the settings, the "Parking monitor" option, if you choose "Turn On";

After the car is turned off (ACC is disconnected), the system will immediately prompt whether to enter the parking monitoring function:

Select the "Confirm" option to enter the parking monitoring time selection;

Optional monitoring time: 1 hour/3 hours/5 hours/8 hours/24 hours

When it prompts "whether to enter the parking monitoring, please pay attention to the battery power", the 5S does not operate, and the system automatically

Automatic access to 3-hour parking monitoring

After prompting "close the screen soon", the machine screen will automatically turn off to reduce power consumption; at this time, the system cannot perform any operations, unless the car is re-ignited (ACC is powered on) and the screen is manually touched to light up the screen display. , the system will prompt "Parking monitoring, shutdown later"

In the settings, the "Parking monitor" option, if you choose "Turn off";
After the car is turned off (ACC is disconnected), the system will also prompt immediately whether to enter the parking monitoring function:

At this time, select the "Confirm" option again, or you can enter the duration selection and enter the parking monitoring;

If this function is not required, select "Cancel", or no operation is required, and the system will enter the normal shutdown process.

Note: This function cannot be used when the car battery is completely powered off!

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. ② Check whether the fuse of the power plug is disconnected or burned.
2	No touch phenomenon	① Touch is invalid during power-on, wait for normal power-on before operation. ② Check whether the touch is damaged, do not touch the screen with sharp objects, it is easy to scratch and damage.

3	The rear view camera has no image	① Buy the manufacturer's matching rear-view camera before it can be used. ② Whether the AVIN interface is inserted to the bottom. ③ Check if the camera format matches
4	Machine heat, jam-phenomenon	① Avoid direct sunlight or exposure to sunlight during use. The normal operating temperature of T86DVR is -4 ~ 149 °F. After disconnecting the power supply, the temperature of T86 will be lower than 149 °F and work normally.
5	CarPlay cannot connect	① The 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 cannot connect	① Only Android phones are supported. ② Update Auto and related applications on mobile phones to the latest version. ③ Do not enable VPN on the mobile phone. ④ Check that the WiFi and Bluetooth functions of the mobile phone are normal. ⑤ Restart the Android phone and connect it again.
7	The bluetooth music	① Please set the screen casting mode to Bluetooth music. Other modes do not support Bluetooth music.

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

9. Product parameters

Model	T86DVR 9.3
Master control	High performance SOC
Wireless function	Wireless Apple CarPlay, Wireless Android Auto
Screen	9.3 inches IPS material, 1600*600 resolution
Storage	32GB≤Class 10 TF card≤128GB
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