Integrated Navigation Dashboard Screen

Operation Instruction

Thank you for purchasing our products!

In order to protect your rights and interests, please read the instructions carefully before using our products, so as to use the product correctly and safely. After reading, please keep it properly for future reference

☆Safety warning

In order to ensure the your personal safety, your car and others, please do the following basic requirements:

● Please read all relevant instructions carefully before using the device. If damage is caused by failure to follow the instructions, you will not be entitled to the warranty.

● In order to ensure driving safety and avoid violating traffic regulations, please do not watch programs or operate the machine while driving.

●In order to avoid short circuit, do not let the device come into contact with rainwater. In order to prevent short circuit, please do not place any metal objects (such as coins or metal tools) in the equipment. Please use the machine according to this manual. Do not open the machine for repair. If you need to repair, please contact professional technicians.

★Note: remember to turn off the power before installation, otherwise the original car will turn off the power automatically due to the detection error of the original car, causing abnormal start-up, then need to go to the 4S store to deal with it

Product Introduction

●This product is specially developed for Tesla, which is compatible with the original car information, Android system, Carplay Internet, Bluetooth, front camera, navigation, screen information display and other integrated machine. The structure adopts the non-destructive installation mode of private model of special car, and perfectly combines with the central control panel, which is closer to the original car's large screen style

●The operating system of the product is an open Android system, which can control or make voice calls through the steering wheel buttons to simplify the operation and avoid driving safety hazards, so that you can travel safely and have entertainment and personalized high-end products at the same time.

- Product performance characteristics

1）This product adopts MT2712Q，Main frequency:4X1.0G-A35/2X1.2G-A72 DDR:1GB/2GB/4GB LPDDR4 @ 1300MHz，

EMMC:16GB/32GB/64GB Operating system:Android9.0 With high-performance hardware, it can run more smoothly, with built-in wireless Carplay mobile phone interconnection, online music, online video, real-time road map navigation, voice control, original car information and code table style display,

2）The appearance adopts private HD 10.25-inch large screen, customized UI interface, full fit technology, no dust, high-definition resolution 1920 * 720 IPS full view screen, which is closer to the original car's large screen style.

- **Support model** (some models need to be confirmed)

Model Year	Car Model	Configuration	mark
20-21 model	Model 3	Without dashboard screen	
2021 model	Model Y	Without dashboard screen	

Product Specification

No.	hardware configuration		External devices	Built-in function		Original vehicle information	
1	CPU	MT2712 2X 1.2G-A72	Front Camera (radar triggered)	WIFI	Carplayinterconnection	Electricity information	Gear information
2	DDR	DDR4 1300MHZ 2GB/4GB		Navigation	Intelligent voice	Vehicle speed information	Temperature information
3	ROM	16G/32G/64G		Bluetooth	Night mode	Range information	Tire pressure
4	Version	Android 9.0		Music	Code table display	Door information	Time display
5	display screen	HD（1920*720） 10.25 inch		video	Special model	Light information	Automatic driving
6	Touch screen	10.25 inch G+G High transmittance					

- **Interface introduction**

▲**Full screen interface**   ▲**Right split screen interface**   ▲**Left split screen interface**

Main Interface

Time display

Automati headlight

Charging

Tire pressure

Micro phone

Double flash light

Light information

Safety belt

11:23   READY

Speed Code

Km/h
120 140 160
100
180
80
60
200
40
220
N
240
0
260
970km
1/2

Power code

180
120
240
60
300
0
360
60
420
Motor
-40.0℃
480

75%   63.0℃

P R **N** D

RANGE:970km   ODO:10163km

Electricity information

Outdoor temperature

Gear information

Door information

Remaining mileage

Total mileage

Automatic driving

Running   applications
in the backstage

Bluetooth   location

Management
notification

main
interface

WIFI

screenshot   **Right split screen**   retur

interface

Left split screen interface

Backlight mode	‹ Follow car ›	
Night mode	‹ Follow car ›	
Front camera	⬤	
Front camera sensitivity	‹ middle ›	
Bluetooth call delay time setting	‹ 100 ›	
Speaker default volume level	‹ 50 ›	
Vehicle information hover icon	⬤	
Screen display mode	‹ Right ›	

7
17.0℃
PRND   km/h   81%

RANGE: 1047km   ODO: 10163km

General	›
Navigation	›
Network	›
Bluetooth	›
Other	›
Reboot	›
Factory setting	›
Restore to default	›

22
32.0℃
PRND   km/h   96%

RANGE: 1242km   ODO: 10163km
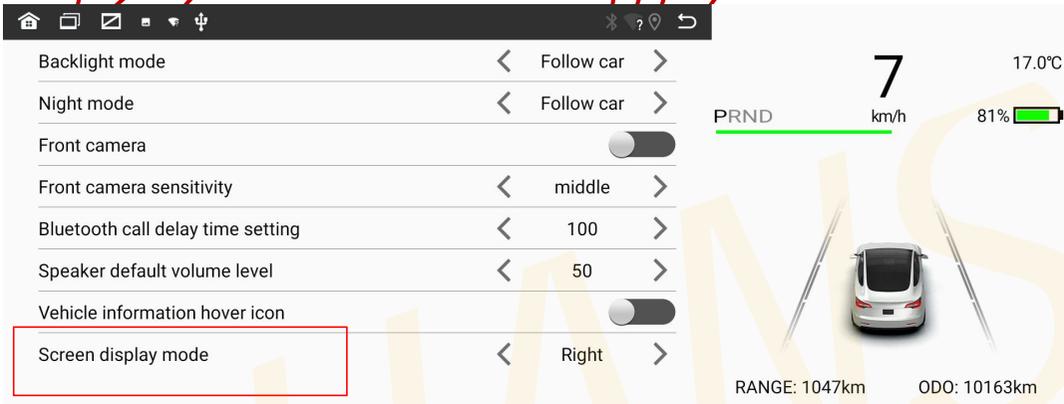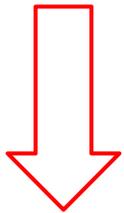
★ **There are three modes of screen display (full screen, right split screen and left split screen), which can be selected from "settings"-"other"-"screen display mode"**

●**Operating instructions of the original steering wheel buttons**

Left		Right	
★Slide up and down for volume adjustment		★Slide up and down to move the cursor	
★Short press and left push for previous song		★Short press and left push for return button	
★Short press and right push for previous song		★Short press and right push for confirm button	
		★Long press and lesft push to turn on / off the display of code table	
		★Long press and right push for voice wake-up button	

＊**Note: when the constant speed cruise or autopilot button control function is off, push the button left and right to adjust the following distance from the car in front**＊

Function operation and Application

- **Language setting**

  ◆ Enter the interface and click " settings" - "general" - "language choice ”

  ◆ Set the corresponding language function

- **Time setting**

  ◆ It can set date and time synchronization network (valid for WiFi connection)

  ◆ It can set date and time synchronization navigation (GPS positioning is effective)

  ◆ The hour system can be adjusted to 12 hours, the default is 24 hour format

  ◆ The time can be set automatically / manually

- **Font size**

  ◆ It can set the font size display(0.85/1.0/1.15/1.3 level
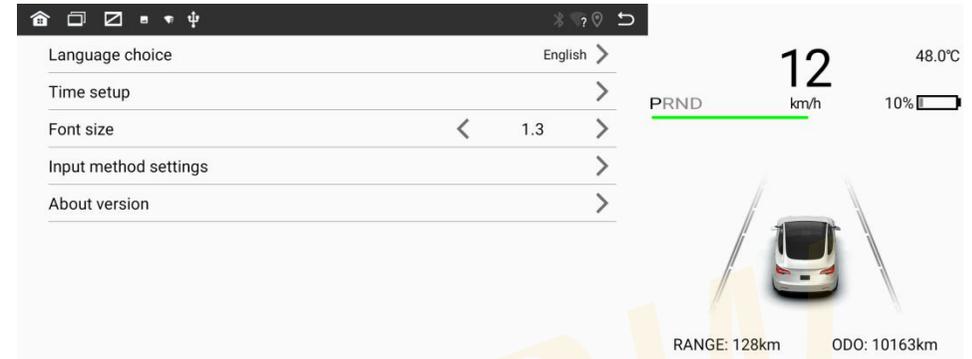
- **Speed information display**
  - ◆ Enter vehicle machine interface point "Setting" - "General" - "Speed display"
  - ◆ It can open or close the "speed floating icon" on Android interface, and also can move the icon position

- **Version information**
  - ◆ Setting—General—About version
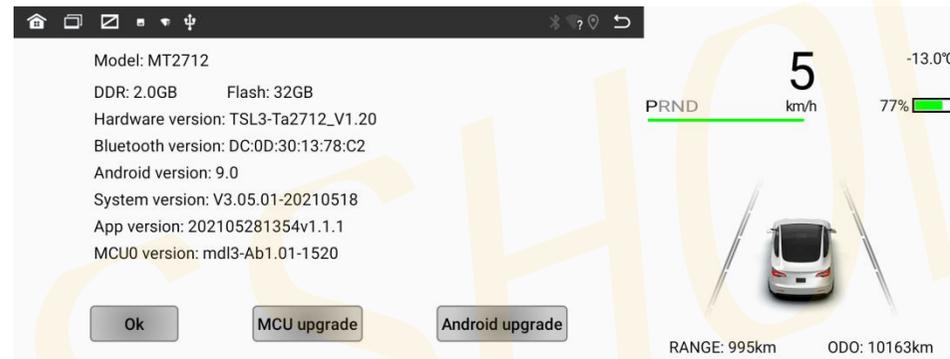
- **APP software upgrade**
  1) First converting U disk into FAT32 format
  2) After decompressing the upgrade file, copy the 10 files in the folder to the root directory of the U disk, and plug the U disk into the USB port of the machine
     As shown in Picture 1!
  3) Click:Setting--->General--->About version--->Android upgrade,Wait for the machine to restart and finish the upgrade automatically, then unplug the USB flash disk
     As shown in Picture 2!

Pic1:
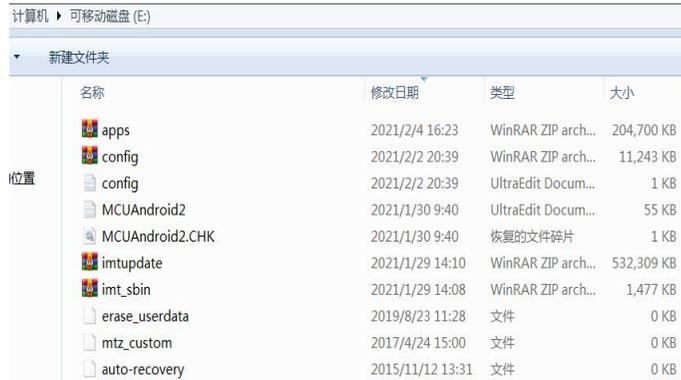
Pic2:
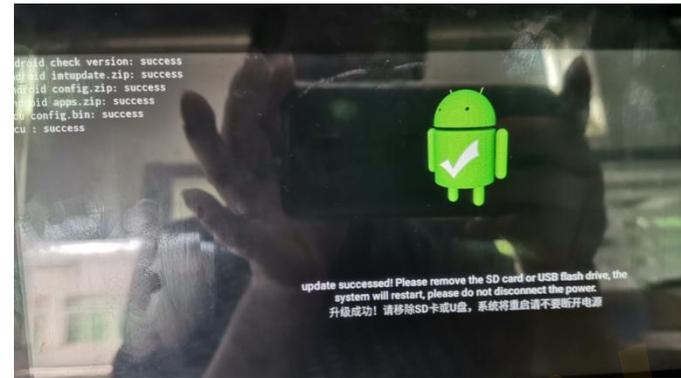
If there is a car model color in the machine, there is no need to copy it again, To check it, click: File manager--->Built-in disk HD,Check whether there is a disk in the root directory of this disk: teshila_ car_ XXX's car model folder corresponding to car color(Note: the name of the car model folder corresponding to each color of the car is different, and the corresponding relationship is shown below). If not, go to the next step

White car	teshila_car_white		
Red car	teshila_car_red	Silver car	teshila_car_silver
Blue car	teshila_car_blue	Black car	teshila_car_black

After copying the car model folder to the U disk, insert the U disk into the machine, and copy the car model folder in the U disk to the root directory of the machine disk through the file manager,

The contents are shown in Pic 3 and Pic 4 below

Pic 3:
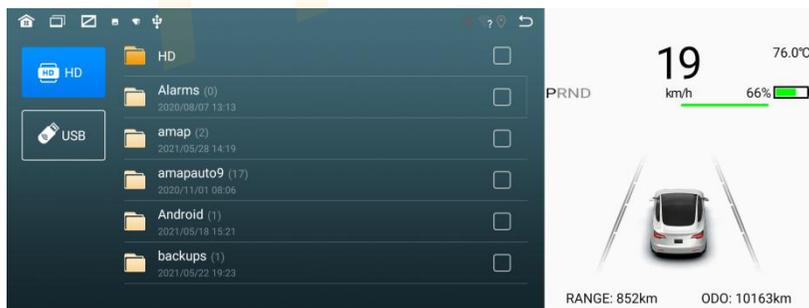
Pic 4:

- **The navigation machine is connected with the large screen of the original vehicle**
  - ◆ Find the Bluetooth "Tesla screen BT" name of the screen in the Bluetooth collection of the original vehicle and connect
  - ◆ After the connection, the sound will be transmitted through the analog host
  - ◆ When the screen plays audio / video, the sound can be output through the original car's large screen
  - ★(if it is not connected with the original car, only the navigation system has sound, with a built-in loudspeaker)
- **Voice Wake-up**
  - ◆ Any interface mode can directly wake up voice function, default: "Hello Xiaole"
  - ◆ Wake up voice function to turn other applications on or off
  - ◆ For example, Putonghua says:Hello Xiaole, I want to listen to Andy Lau's song, call Mr. Wang, I want to go to Shenzhen Window of the world, etc
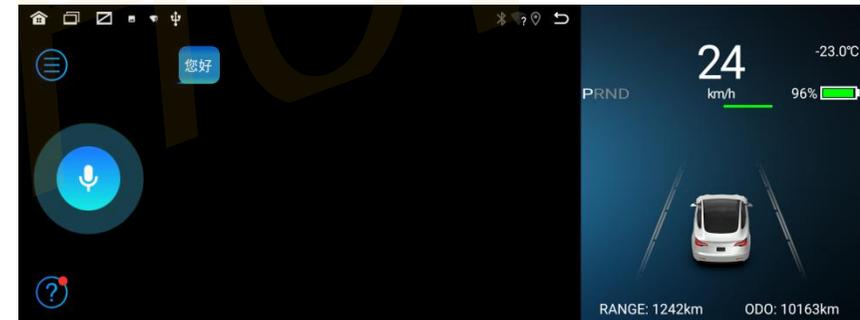
● WIFI connection

◆ First, turn on the mobile hotspot,

◆ Click as following on the interface:Car setting-Network.Search hotspots and connect to WiFi

◆ It can be accessed by shortcut. Slide down on the top of the screen and long press the "WiFi" icon to access the connection

  ✧ Pay attention to check the WiFi signal strength
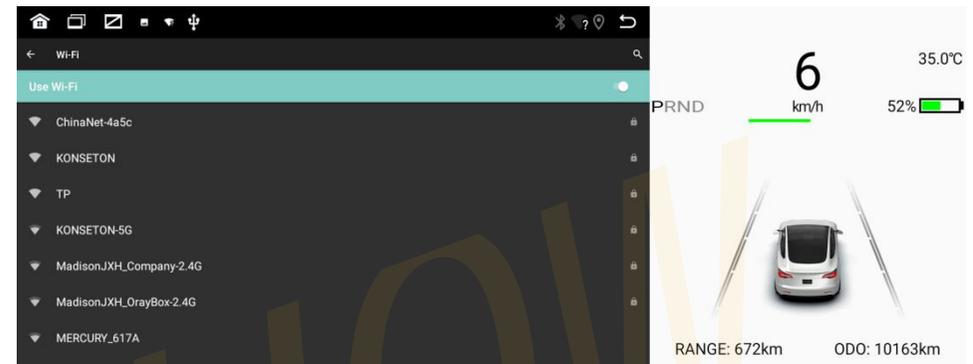
## ● Navigation function (default Gaode map)

◆ After connecting WiFi hotspots, it can navigate in real time

◆ Open the navigation application and enter the destination to enter navigation or voice navigation

◆ Adjustment of sound size of navigation point

Click the "sound" icon in the upper right corner of the navigation map interface, and the system will pop up the sound size progress bar. Adjust the sound size progress bar to adjust the sound size of reporting

◆ Turn off map built-in input method

In the map interface, click the "head" icon in the upper left corner to enter settings - other - built in input to close
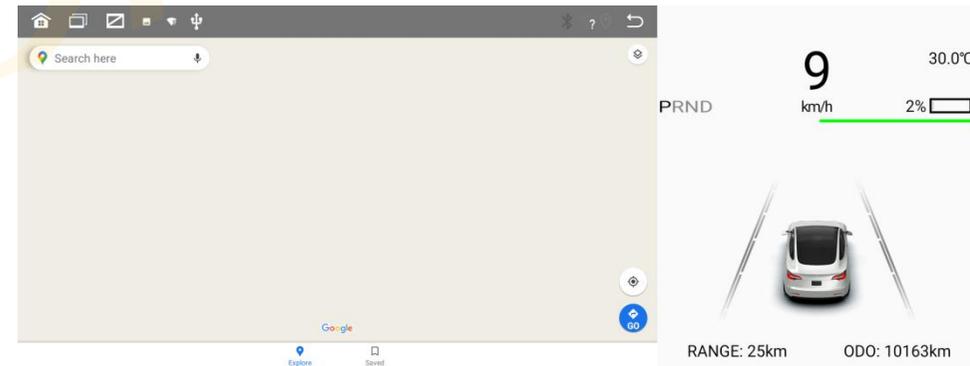
- **Bluetooth connection**
  - ◆ Turn on Bluetooth function of mobile phone
  - ◆ Interface"Application" - "Bluetooth" to scan mobile devices
  - ◆ When the Bluetooth device name of the mobile phone is scanned, click the device name to connect
 - ◆ When the phone receives the pairing code prompt, it can confirm the pairing connection
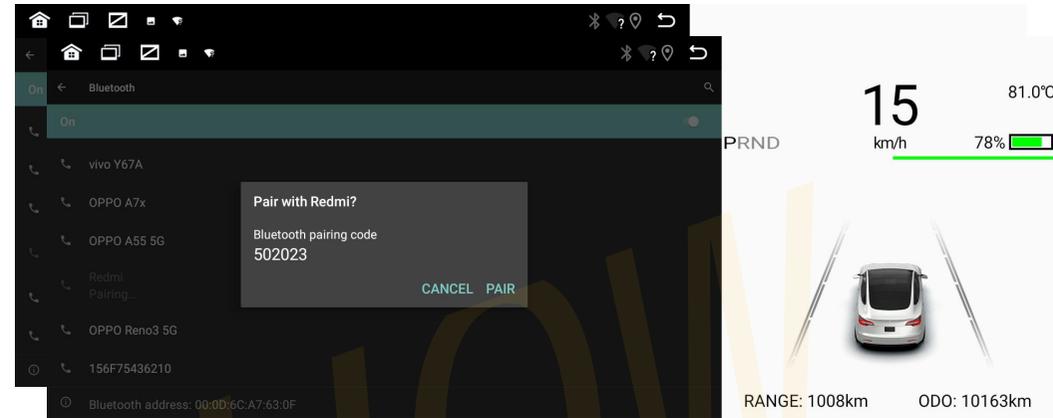
- Light Mode
  - ◆ enter"car settings" - "other" - "light mode"
  - ◆ Two modes can be set: synchronous original vehicle / manual mode

    Synchronous original mode:When it is automatic, it changes automatically according to the brightness of the original car

    Manual mode: you can manually adjust the light brightness by marking twice at the top of the main screen
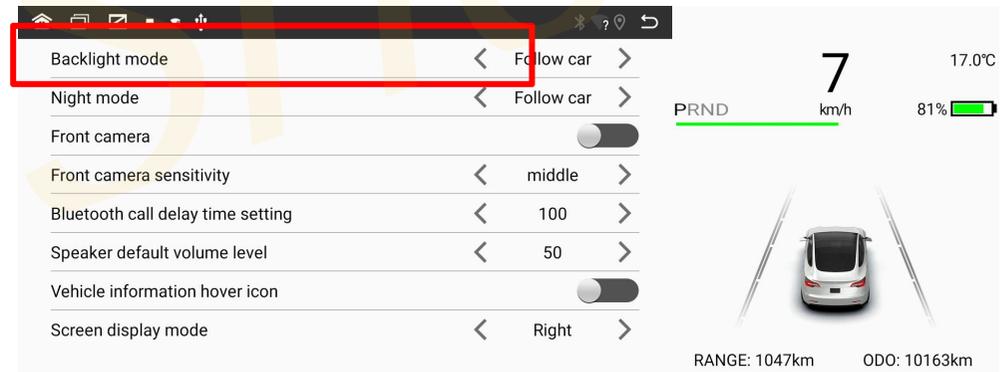
● Front camera function

◆ Enter "car settings" - "other" - "front camera settings"

◆ Turn on or off

★Note: when the radar is triggered, it will automatically turn on the front camera for 10 seconds
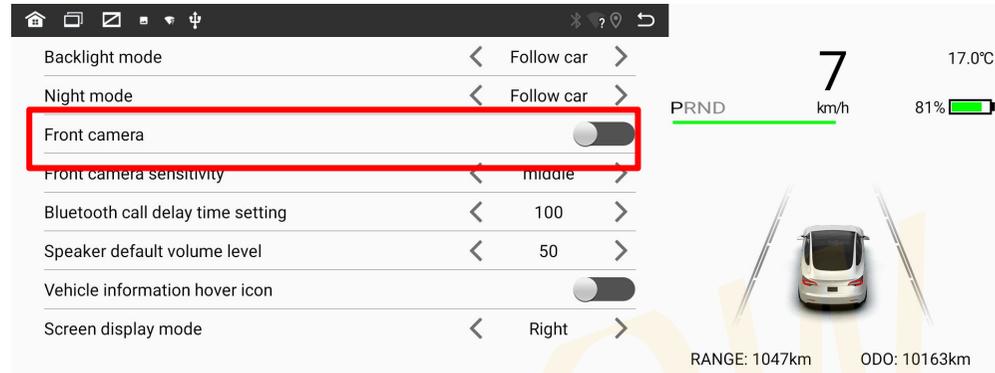
● Screen off mode

◆ Click the "close screen" icon to close the screen to avoid driving safety at night

◆ After closing the screen, any position of the contact can light up the screen
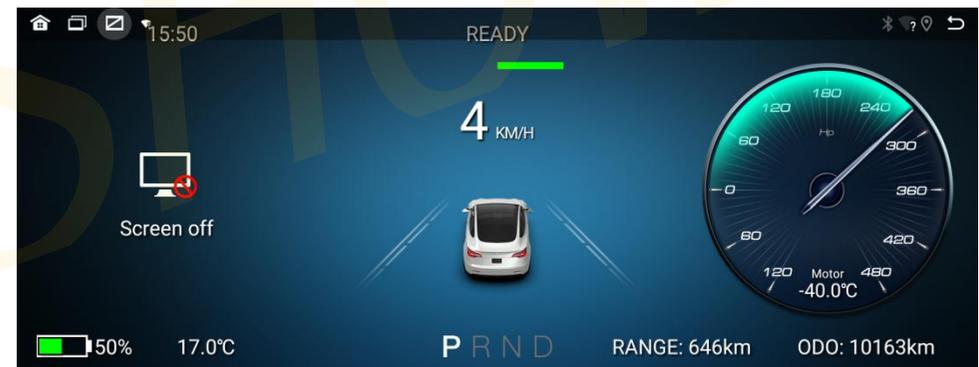
● Factory setting

◆ Click:car settings - "factory settings" - password 6688

◆ It can enter the lower menu to set
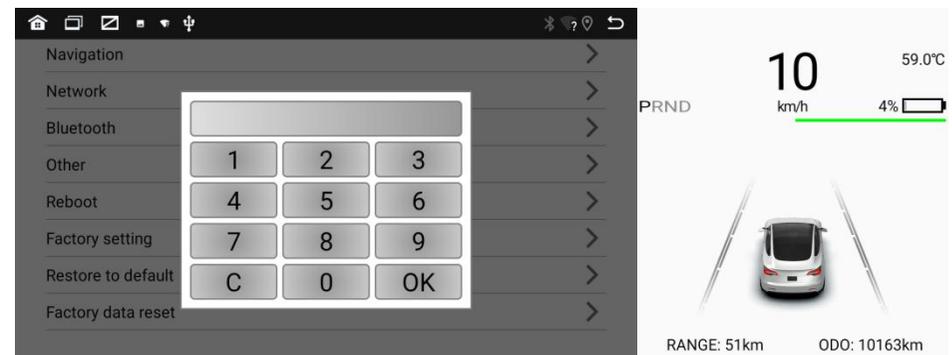
- **Navigation, music and video application selection**

  ◆ Enter:"car settings" - "factory settings" - "6688"

  ◆ It can set navigation, music, video application path
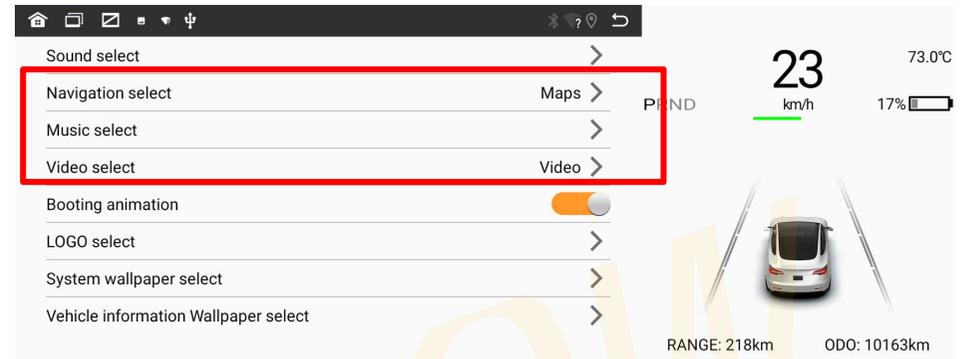
- **Voice switch application**

  ◆ Enter:car settings-factory settings-sound switch

  ◆ When installing third-party software, the application will be ticked

- **Booting animatiom**

  ◆ This function can be turned on or off

- **Boot logo settings**

  ◆ Copy the image (resolution 1920 * 720 / 24 bit) BMP file to the U disk root directory, and name it bootlog.bmp As

shown in picture 1 below

◆ Click on USB port on the right side of the U-disk insertion screen:car setting--->factory setting(6688)--->4）LOGO selector--->confirm

◆ After the setting is successful, unplug the USB flash disk, and the picture of the machine can still be remembered when it is powered off

Pic 1 ：

| 可移动磁盘 (E:)			
建文件夹			
名称	修改日期	类型	大小
bootlogo0	2021/2/23 16:05	BMP 图像	540 KB
bootlogo1	2020/12/28 10:20	BMP 图像	4,051 KB
bootlogo2	2021/2/23 16:04	BMP 图像	4,051 KB

LOGO select ＞

- **Wallpaper select**
  - ◆ First, copy the file of PNG format of wallpaper (resolution 1920 * 720/32-bit) to the root of U disk, and name it wallpper *. Png As shown in Pic 1
  - ◆ Insert the USB disk into the USB port on the right side of the screen, and then click:car setting--->factory setting(6688)---> Wallpaper selector--->confirm
  - ◆ After the setting is successful, unplug the USB flash disk, and the picture of the machine can still be remembered when it is powered off

    Pic 1：
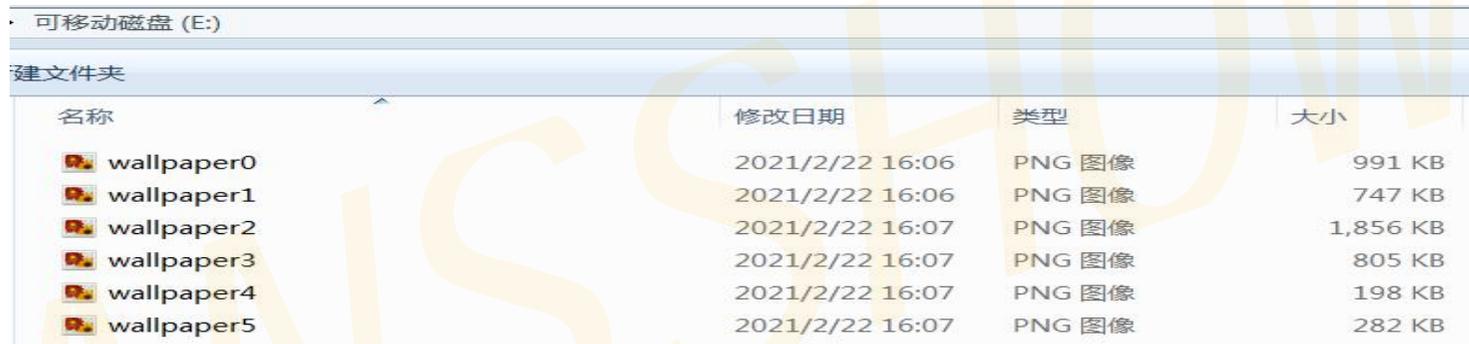
LOGO select

- **Car color select**
  - ◆ Car setting- Factory setting (password 6688) - Car color selector
  - ◆ When automatic is selected, the original car color will be synchronized
  - ◆ The color of the vehicle model can be made manually (silver / White / red / Blue / Black)

```
system wallpaper select                                    >
```

- **install third party applications**
  - ◆ Enter: Car setting- Factory setting (password 6688) - install apps
  - ◆ open the setting to allow installation function (application)

   ★Note: the installation of the application will take up the internal space, causing a jam

```
Allow to install apk                                    ⬤
```

- Navigation mixing
  - ◆ Enter "carsetting" – "navigation" – "Navigation mix ratio"

```
🏠 ⬚ ▯ ⬚                    16:47                    ✳ ▪ ◈ ▼ ↺

Mix ratio                                      <   70   >
Navigation test                                          >
```

● Mobile internet cable connection with cayplay

◆ First connect WiFi to activate cayplay

◆ Turn on the Bluetooth function of the iPhone, enter the Bluetooth of the vehicle to scan the device name and connect the device, and the phone receives the Bluetooth pairing request and pairing

◆ It can use the wheel key of the steering wheel to enter the interface of the car and the machine, and click the "cayplay" icon to connect the mobile phone automatically

◆ When the mobile phone receives the cayplay use prompt, click to confirm the connection
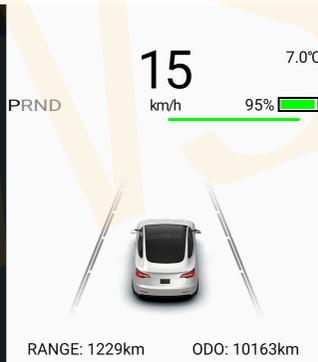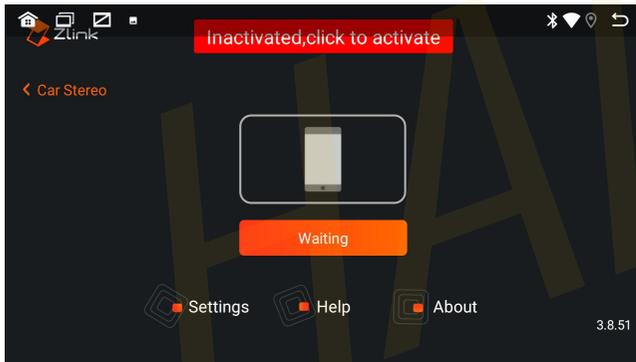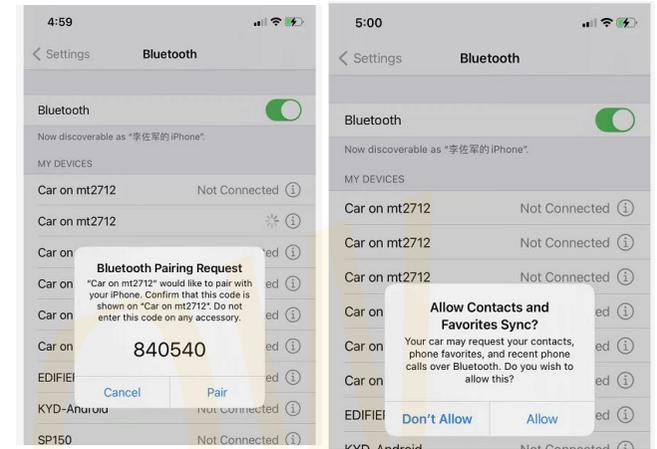
●Wireless connect CARPLAY

- ◆ First connect WiFi to activate cayplay

- ◆ turn on the Bluetooth function of the iPhone, enter the vehicle Bluetooth to scan the name of the device, connect the device, and the phone receives the Bluetooth pairing request to select pairing (Figure 1)

- ◆ The mobile phone receives the pop-up box "allow to synchronize" address book "and" personal collection "to select allow (Figure 2)

- ◆ The mobile phone receives the pop-up box "Carplay car with" zjnnova-ac5dd " Select Carplay car (Figure 3), connect (Figure 4), connect successfully (Figure 5)

Pic 1
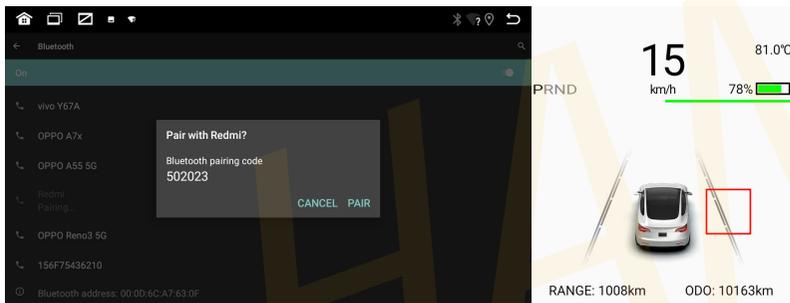
Pic 2

Pic 3
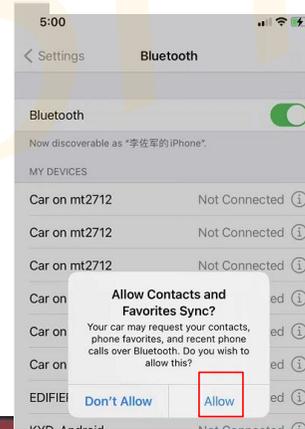
Pic 4
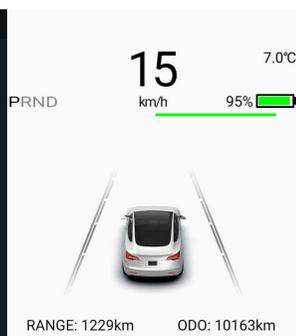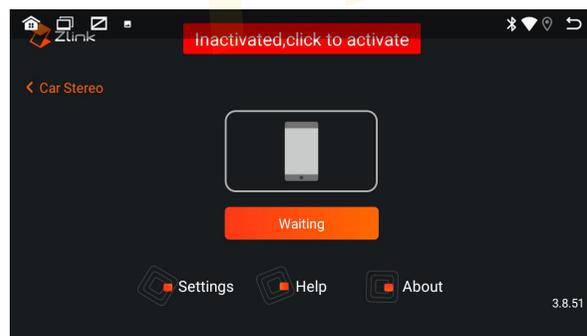
● wired Android auto

◆Android auto Prerequisite software installation,The use of Android auto requires the mobile phone to support Google services and install the following necessary software in the Google play store:
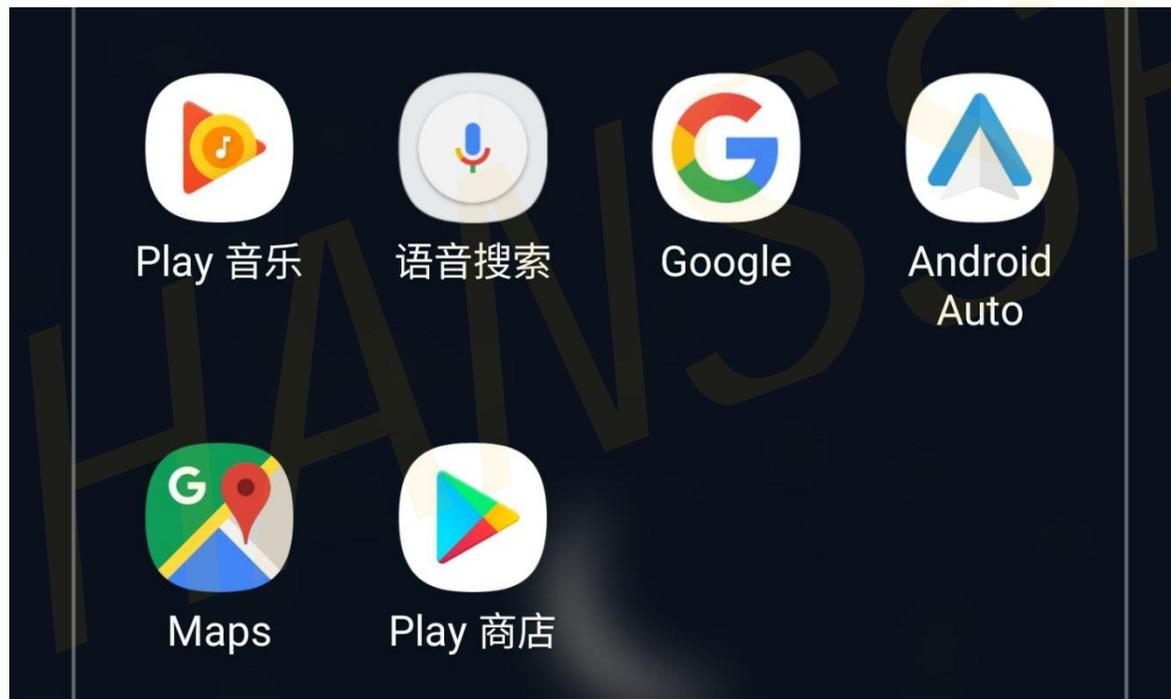

◆After installing the above applications, click to open Android auto, and install the corresponding services and updates

according to the prompts. It can be opened normally, indicating that the software environment support is successful.

● Correct operation steps of Android auto wired connection

◆ Android auto wired connection:(the mobile phone needs to support Google services and install Auto software)
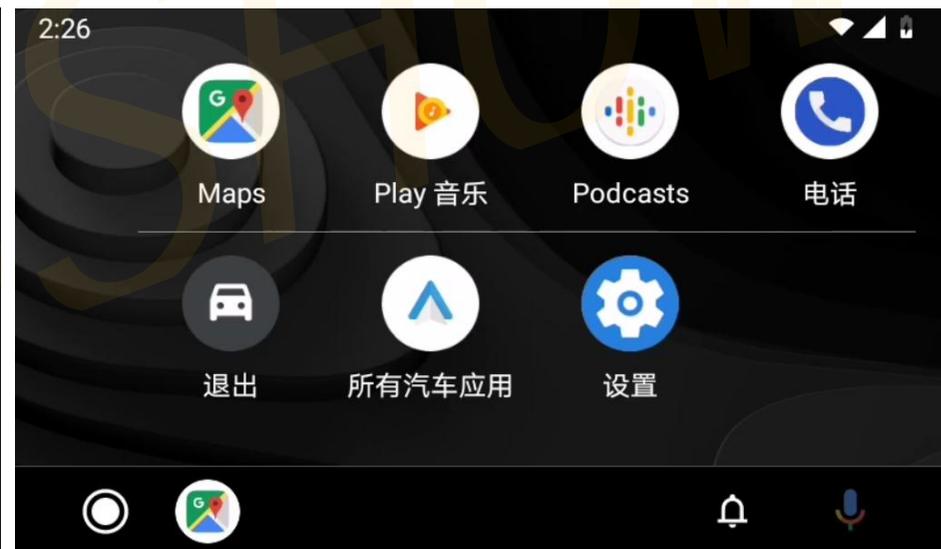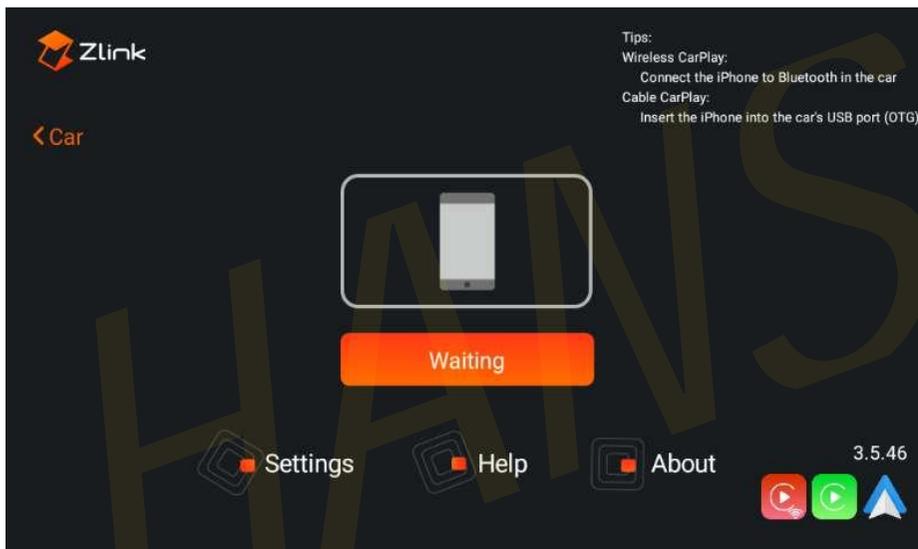
◆1. Open zlink software ---> 2. Plug Android phone into USB ---> 3. The connection success screen is shown in the figure

✦Note: zlink version supporting Android auto function is required.

●**Correct operation steps of Android auto wireless connection**

◆ It's the same app you need to download for wired Android auto

◆ Android auto wireless connection: connect the Android mobile phone to the USB OTG interface of the car (only OTG port is supported, other USB ports are not supported). If the connection is successful, the Android auto interface will be displayed.
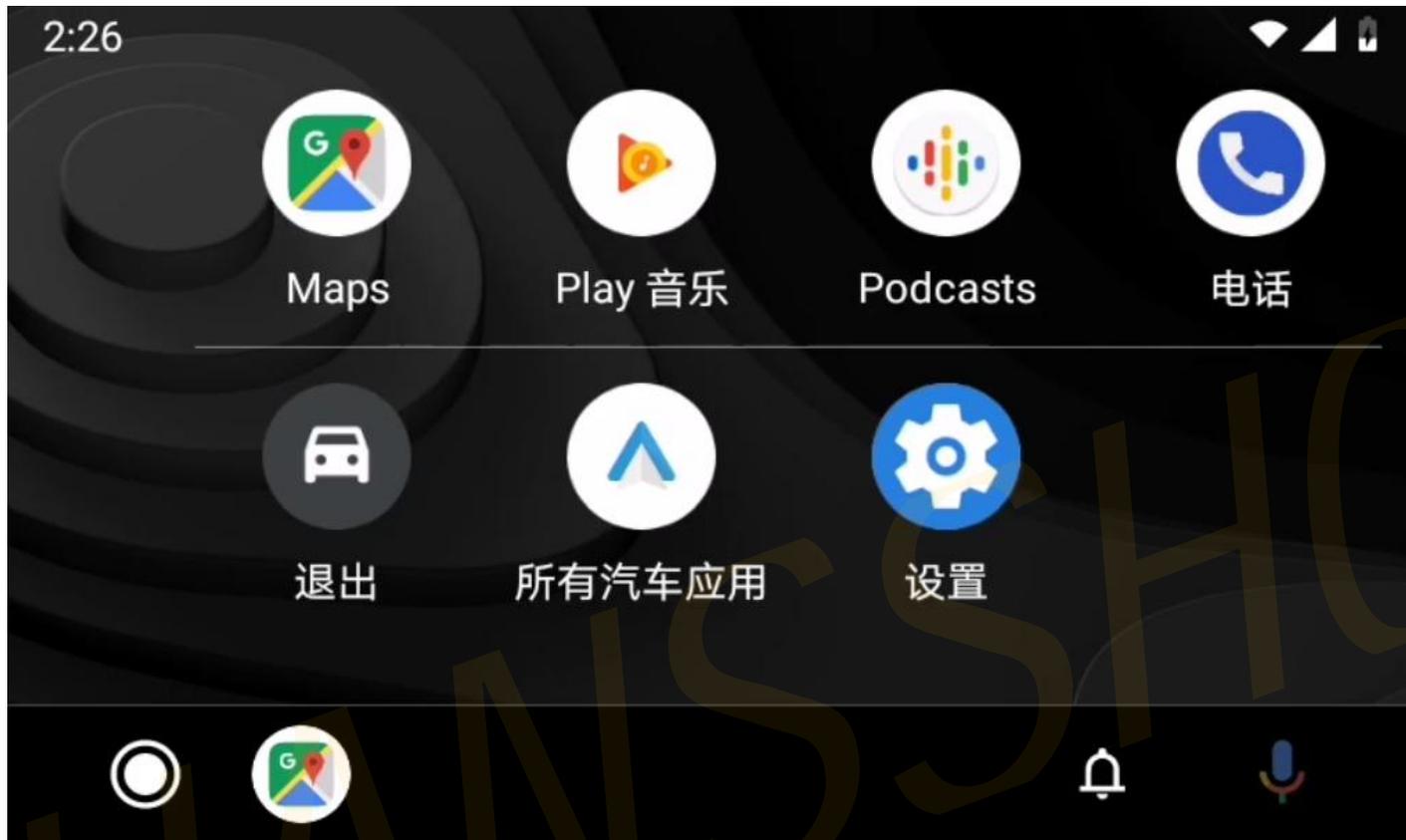
●**How to use Android Auto**

After successful connection, you can click the vehicle machine interface
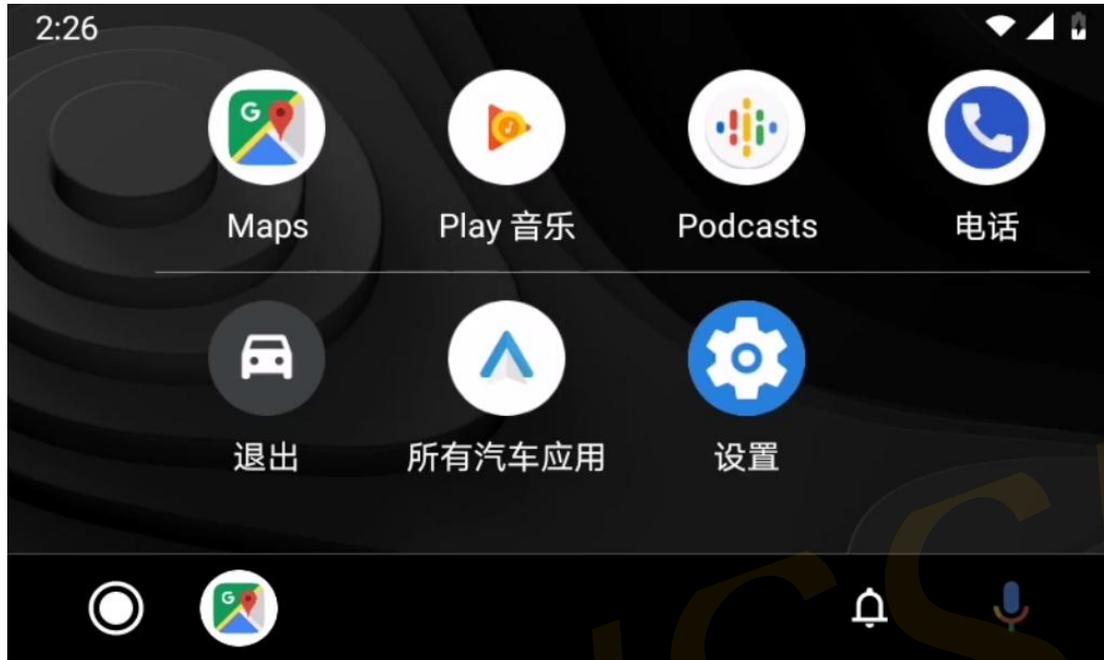
Click maps to open Google maps

Click the phone to make a call, etc;

Click exit to return to the vehicle engine system interface   **Click settings**

                       The setting panel will pop up in the automatic machine interface

●Common troubleshooting guide

fault	reason	resolvent
Can't power on	Power supply fuse burned	Replace fuse of the same type
	Vehicle detection error code caused by installation without power off	Go to the 4S store to brush the firmware

	Other factors cause the microprocessor to work abnormally	Restart key
Start no image	Background data error	Press the rst reset key on the right side of the screen to restart the system
can't get into the navigation	The navigation software has been uninstalled or deleted	Restore factory settings
Navigation road information cannot be updated	WiFi not connected	Connect WiFi to synchronize online map
The receiver can not positioned	GPS antenna position interference	Rearrange the fixed position
The original vehicle information is not synchronized or displayed	The power wire protocol line is blocked	Re-insert wire to check wire interface
There is no image or can't enter the front camera	The front camera function is not turned on	Car settings - other - turn on the front camera