



# ZHUOYONGHANG TS18 Vehicle Navigation User Manual

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## ZHUOYONGHANG

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# ZHUOYONGHANG TS18 Vehicle Navigation



## Product Information

### Introduction

The desktop is divided into three pages (as shown in the figure). Touch the screen slide up to enter the application menu, and swipe left and right to browse all applications.

### Second Page Introduction

- Swipe left on the main page to enter the second page.
- Time plugin on the left, click to enter the time setting related interface.
- Shortcut keys for radio, and music.

### Specifications

- Desktop pages: 3
- Drop-down Menu
- Bluetooth
- File manager
- Navigation
- Themes
- CarMate
- Boot animation
- Music
- Video
- Radio
- Equalizer(EQ)
- Car settings
- Color lights

- AUX
- WWEasyConnect
- APK installer
- Tlink
- Voice
- Play store
- Chrome

Feature	Description
Bluetooth	Integrated Bluetooth functionality for hands-free calling and audio streaming.
Navigation	GPS navigation with online and manual installation options.
Equalizer (EQ)	Customizable audio settings with multiple sound effect modes.
Play Store	Access to Google Play for downloading apps, music, books, and more.
Chrome	Google Chrome browser for internet access and browsing.

Please note that the content above is an example and not the full transcription. Due to the length of the content, each section from the Table of Contents should be similarly transcribed, following the structure provided. Additional FAQs and Specifications would be inferred based on the full content of each section.

## Product Usage Instructions

### Desktop:

The desktop is divided into three pages. To access the application menu, touch the screen and slide up. Swipe left and right to browse all applications.

- Top status bar: From left to right are the back button, HOME button, history, Bluetooth, location, mobile data, and time.
- Middle plug-in: the left side is speed, the right side is multimedia (Bluetooth, music, radio), the plug-in will automatically switch display when listening. Click to enter the corresponding playback interface. In the middle is the time and navigation information area.
- Application bar at the bottom: navigation, application, theme, broadcast, long press the icon to bind the application, change the icon and name.

### Drop-down Menu

To access the drop-down menu, touch the screen and drag it down. To hide the drop-down menu, drag it up. Touch the screen drag it down to pop up the drop-down menu, and drag it up to hide it.

- WiFi, short press to turn on/off, long press to enter.
- Bluetooth, click to enter the Bluetooth page.
- Equalizer, jump to the sound adjustment page.
- Screen saver, display time information, touch the screen to cancel the display.
- Settings, jump to the settings page.
- Floating icon, closed by default, click to open.
- Menu, parameter adjustment entry for some applications.

- Clean up the memory, end the running application, and release the memory.
- Screen capture and save to file manager.
- Restart, whether the pop-up box confirms to restart the car.
- Brightness and volume bar, drag the blue node to adjust.

## **Navigation**

### **To install navigation software:**

1. **Network installation:** Log in to the Play Store and search for the navigation name. Download and install the software.
2. **Manual installation:** Connect a U disk/SD card device with the navigation APK to the car's USB. Open APK Installer or File Manager and find the corresponding directory. Click to install.

### **To bind a navigation application:**

1. Open Car Settings.
2. Select Navigation.
3. Select Navigation software selection.
4. Select the application that needs to be bound.
5. Click Return to save.

### **To activate navigation memory:**

1. Enter the map interface after the car is powered on.
2. Go to Car Settings.
3. Select General.
4. Set Memory Start Navigation to ON.

## **Themes:**

This theme is a diversified theme desktop software designed for car users. To set a theme:

1. Open the theme application.
2. Select the desired theme card.
3. Click "Use".

## **Voice:**

To set up voice recognition:

1. Go to Settings -> Voice.
2. Select Voice Match.
3. Enable "Hey Google".
4. Follow the prompts for audio recording.

## **Desktop**

## Page structure (home page)



Home page

1. **Top status bar:** From left to right are the back button, HOME button, history, Bluetooth, location, mobile data and time.
2. **Middle plug-in:** the left side is speed, the right side is multimedia (Bluetooth, music, radio), the plug-in will automatically switch display when listening. Click to enter the corresponding playback interface. In the middle is the time and navigation information area.
3. **Application bar at the bottom:** navigation, application, theme, broadcast, long press the icon to bind the application, change the icon and name.



## Introduction

The desktop is divided into three pages (as shown in the figure). Touch the screen and slide up to enter the application menu, and swipe left and right to browse all applications.

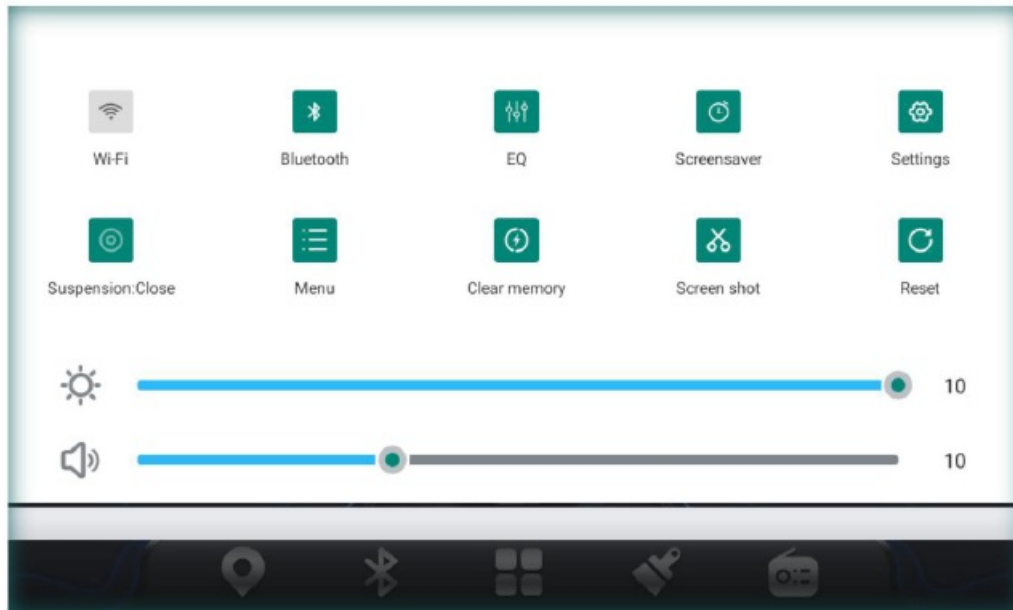
## Second page introduction

Swipe left on the main page to enter the second page.

1. Time plugin on the left, click to enter the time setting related interface.

## Drop-down Menu

Touch the screen and drag it down to pop up the drop-down menu, and drag it up to hide it.



1. WiFi, short press to turn on/off, long press to enter
2. Bluetooth, click to enter the Bluetooth page
3. Equalizer, jump to the sound adjustment page
4. Screen saver, display time information, touch the screen to cancel the display
5. settings, jump to the settings page
6. Floating icon, closed by default, click to open.
7. menu, parameter adjustment entry for some applications
8. Clean up the memory, end the running application, and release the memory
9. Screen capture and save to file manager
10. Restart, whether the pop-up box confirms to restart the car
11. Below is the brightness and volume bar, drag the blue node to adjust

## Navigation

### Function introduction



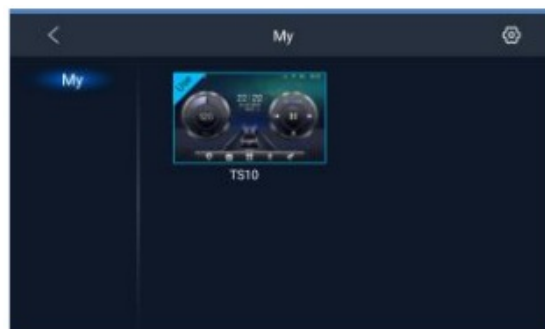
### 1. Navigation software installation

Network installation: log in [play store] to search for the navigation name-download and install (connect to the network). Manual installation: Connect the U disk/SD card device with the navigation APK, etc., to the car's USB-open [APK installer]/ [file manager]-find the corresponding directory and click to install.

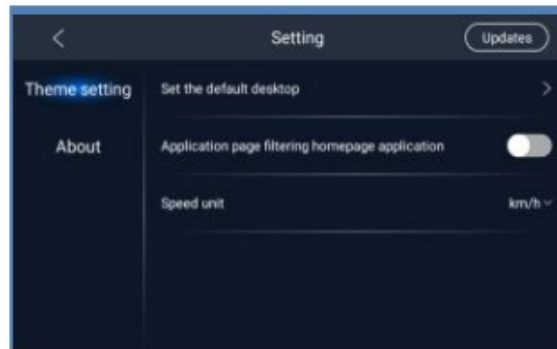
2. **Bind navigation application:** (need to bind navigation application before use navigation) Open[CarSettings]->Navigation->Navigation software selection->Select the application that needs to be bound->click [Return] to save.
3. **Navigation memory activation:** (Enter the map interface after the car is powered on) Car settings -> General -> [ memory start Navigation] is set to on

### Themes

1. This theme is a diversified theme desktop software designed for car users.



2. Theme setting steps: open the theme application-> select to open the theme card, and click [use].

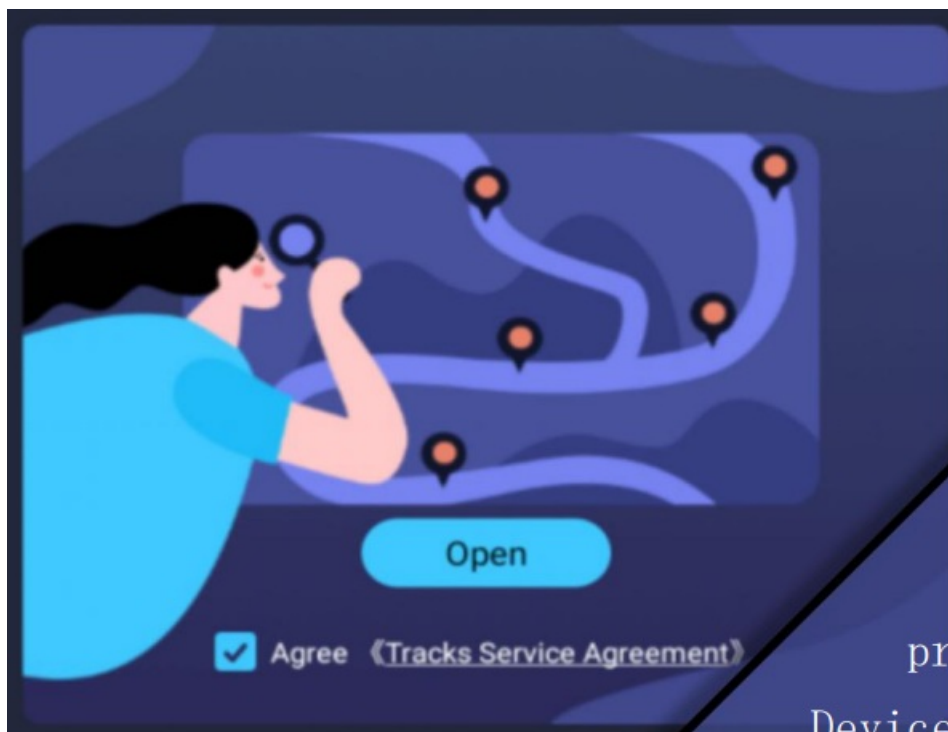


3. Functions at the top of the page: the upper left corner <back button, the upper right corner is the setting button. Long press to enter the theme import page (U disk import, scan code import), click to enter the theme settings page (default desktop settings, home page filter application menu application settings, car speed settings).



Enter the theme homepage, your theme is here~

## CarMate



- CarMate is an assisted driving software mainly used to check driving trajectory. Conducive to improving driving efficiency and safety. You need to activate and download the mobile APP and device binding before formal use. After binding the device, you can view the vehicle track, track playback, remote camera and other functions, as well as share and delete.
- Mobile APP download steps: Open [CarMate]-select [APP Download] Scan the QR code with your mobile

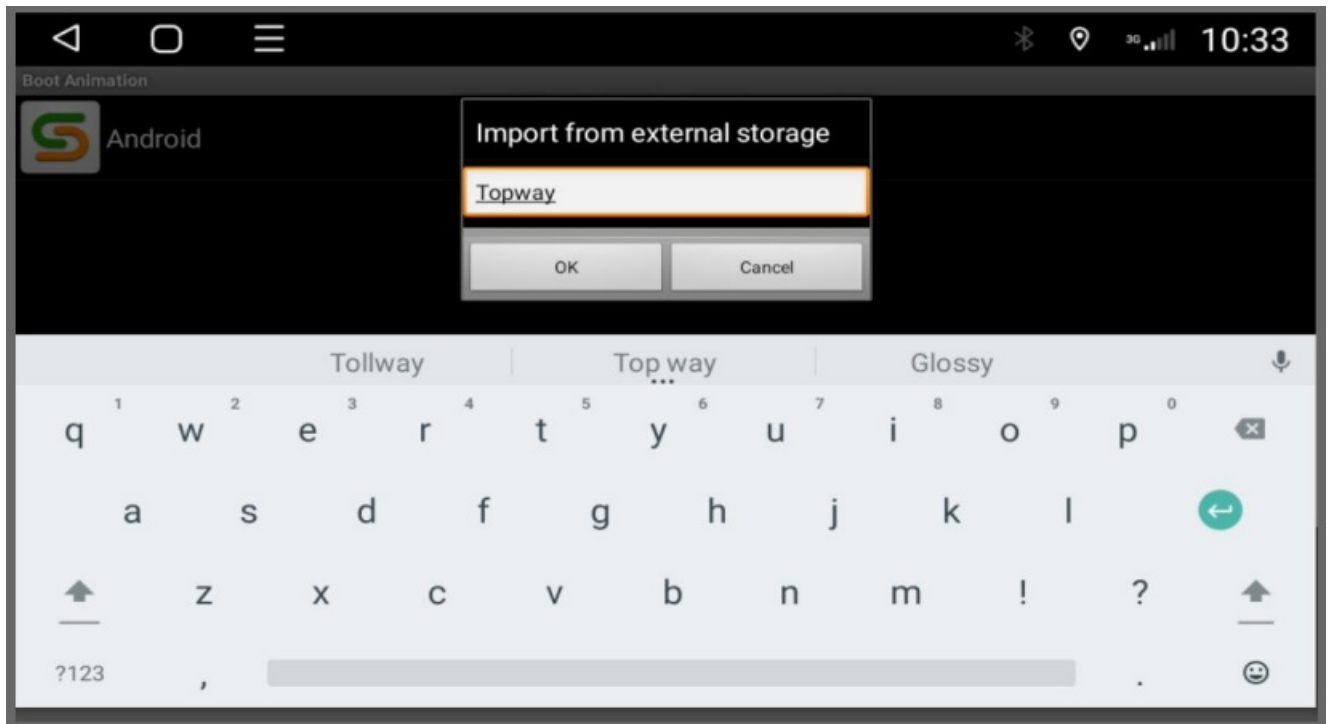


phone, and operate according to the prompts.

- Device binding steps: Open the mobile APP-click the scan code icon in the upper right corner, and scan the [device binding] QR code on the car terminal.For detailed introduction, please refer to “Car Assistant User Manual”

## Boot animation

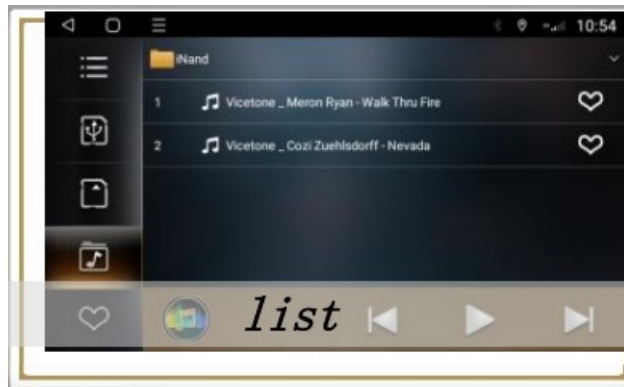
- Connect the USB device containing the boot animation to the car’s USB -> open the [boot animation] application -> drop down the drop-down menu -> click the menu button -> enter the password, the animation package in the USB device will be automatically synchronized.



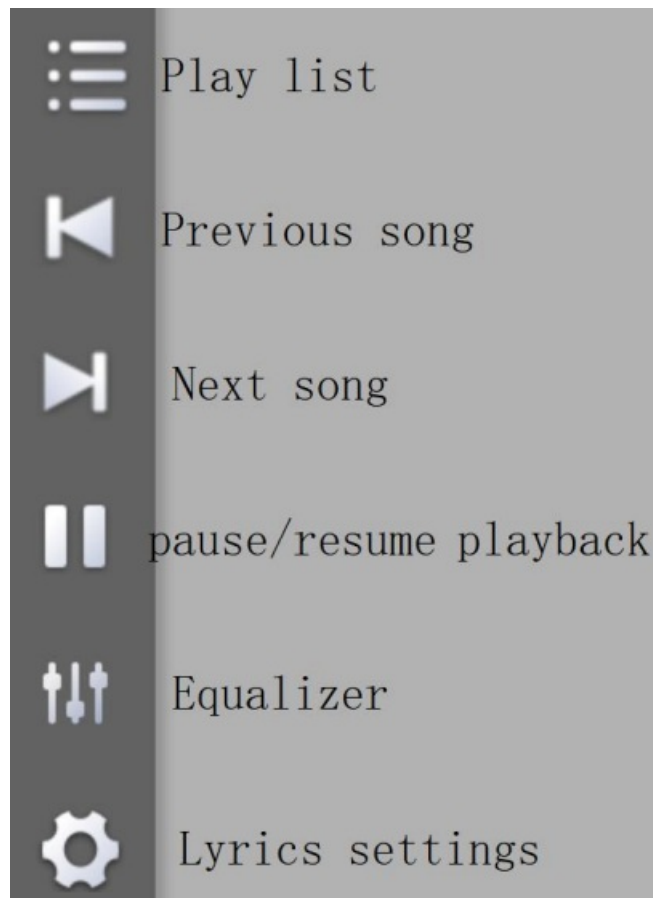
- This device comes with two animation package options.



**Animation setting steps:** Animation name—click [OK] in the pop-up box. After setting, slide down the drop-down menu and restart the car to view it.

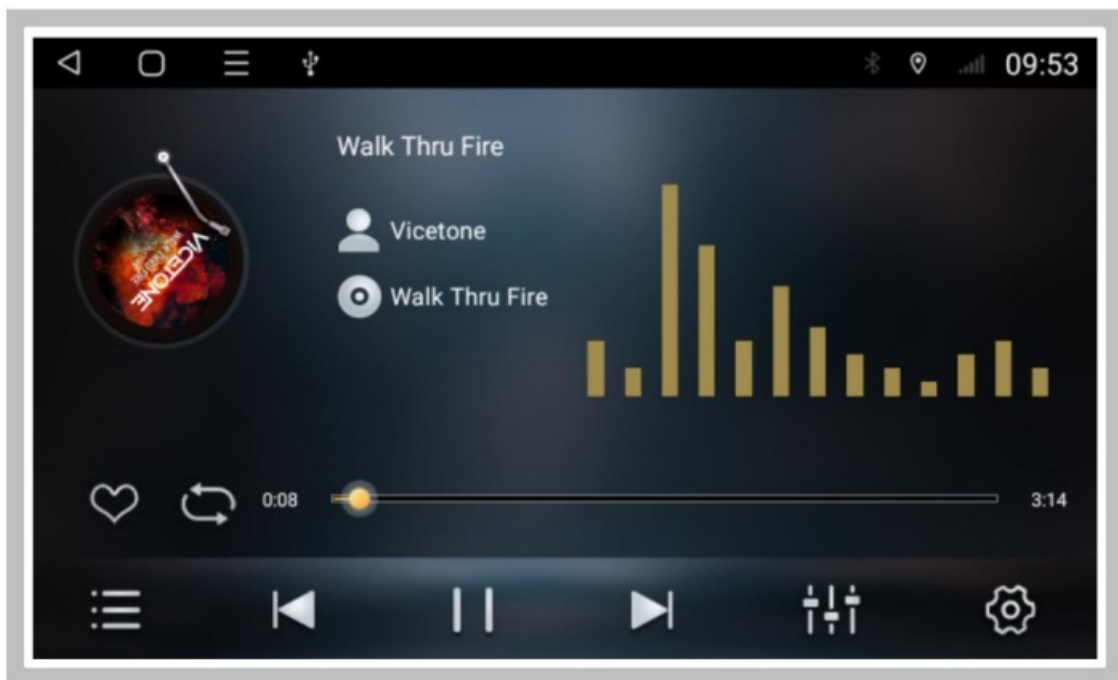


1. The menu on the left side of the play directory: "Playlist", "U Disk", "SD Card", "iNand" and "Favorite List".
2. Play modes include list loop, single song loop, and random play.
3. When playing a song, the homepage multimedia plug-in automatically synchronizes status/information.



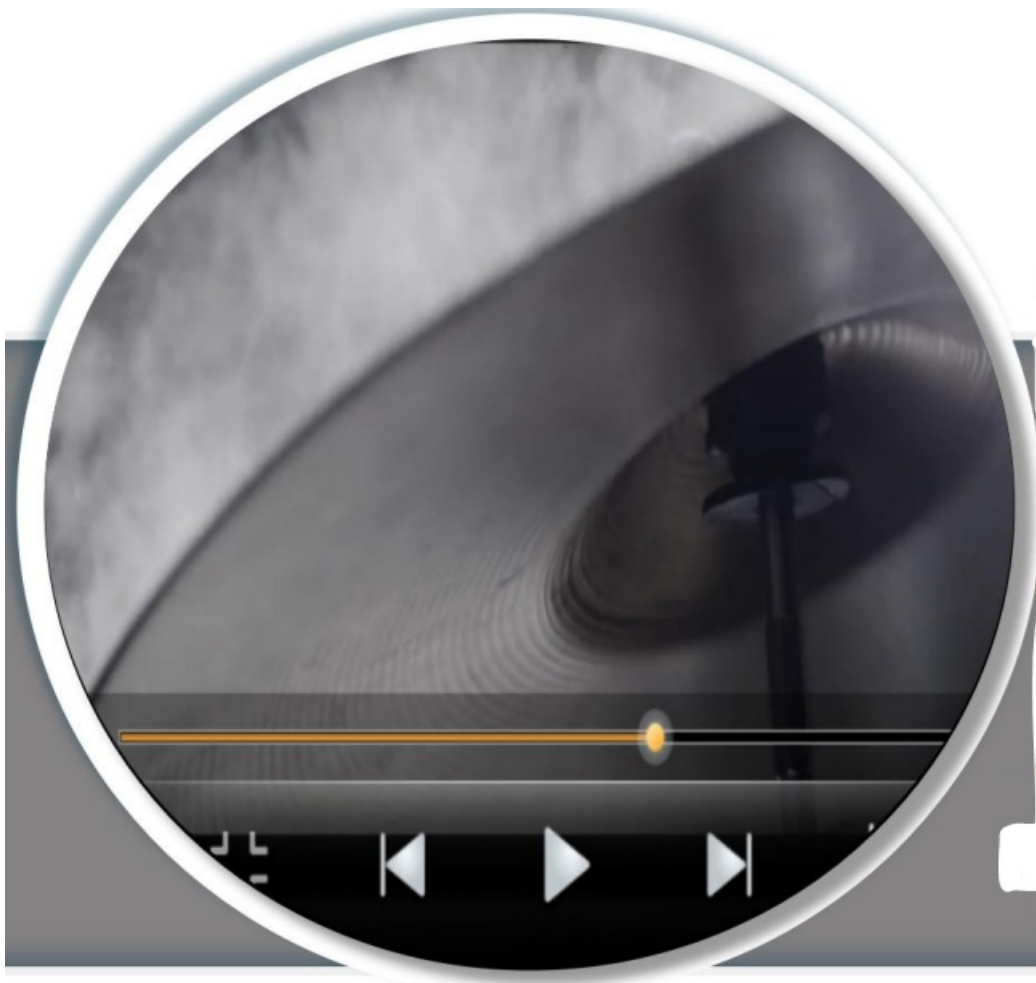
## Music

- iNand directory playback







- Connect audio U disk/SD card device—application menu—open File Manager —check the audio file and click copy —switch to “local”—“iNand” folder—click Paste and restart the car.

## Video



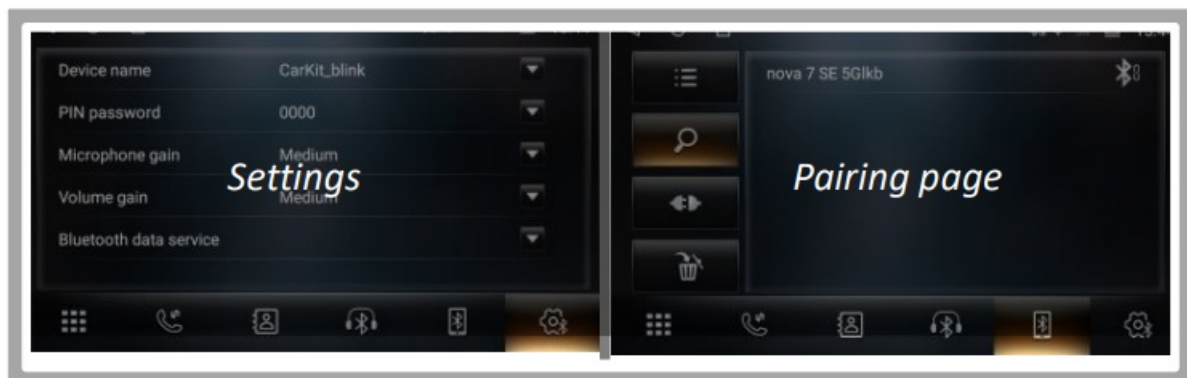
Enter the video playback interface (half screen window)

1. Double-click the play window or click  to enter full-screen play, the button bar is automatically hidden, and touch the screen to pop up.
2. The rest are playlist, previous song, pause/resume, next song, equalizer, settings (video floating ball/brake), the floating ball is closed by default, after opening, play video -> HOME key, the video The brake is set in three states: default closed, open, and speed.  U disk playback source; connect multiple audio U disks, click to switch U disk directory, (must include audio If the file is switched to the U disk directory, no content is displayed),  SD card playback path ,  iNand playback path (local).  
This player supports: MP4\AVI\DVIX\FLV\MOV\MKV\3GP and other video formats.




## Bluetooth

When the Bluetooth device is not connected, you can only enter the setting and pairing page



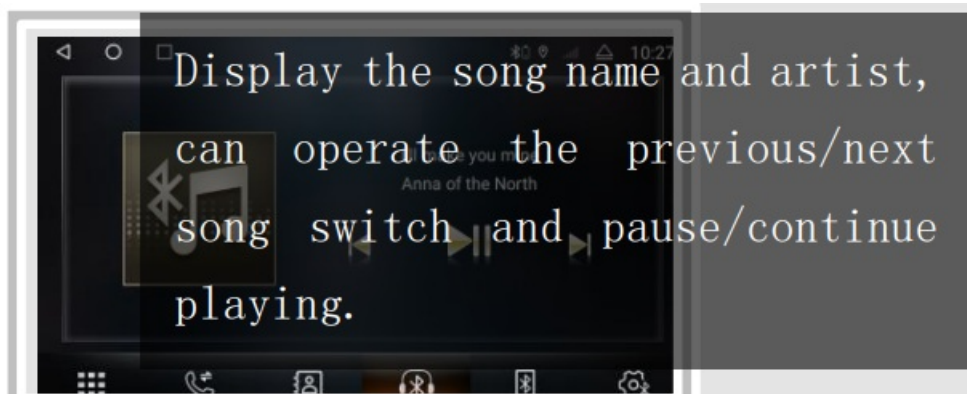
Set the page to view the device name and PIN code, as well as Bluetooth data service, microphone gain and volume gain. List on the left side of the pairing interface: pairing list, Search key, disconnect, delete pairing record...Pairing steps are as follows:

1. Enter the pairing interface—click to search for devices—Click the name of the device that needs to be paired (for example, nova in the figure), the phone will pop up a PIN code box – enter the PIN code,  an after the device name indicates a successful connection.

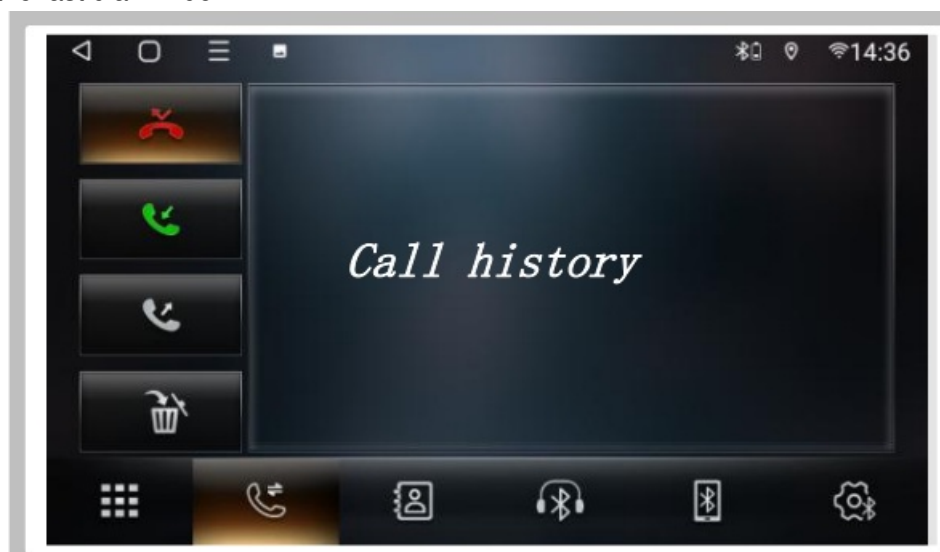


### Contact download steps:

Phonebook interface—select the phonebook icon on the left (the first one)—click to download—the phone pops up the box “Are you allowed to access contact information” and confirm, the car will synchronize the phone contacts (please don’t do anything else during the process) operating)



The icons at the bottom of Bluetooth are: Settings, Pairing, Bluetooth Music, Phone Book, Call History, Dial Keypad Call history includes missed calls, received calls, outgoing calls, and deleted phone book Click the contact name to pop up the fast dial window.



1. Click the number area to enter the phone number, and the list on the right is step by step Except number, dial key, hang up key, handset switch key (car/mobile phone).





2. When incoming/outgoing calls, the interface displays the call window and outputs incoming/outgoing call ringtones.
3. Incoming or outgoing calls on non-dial interface, the interface displays a small call window.

## Radio



1. Store stations; scan the entire disk, the searched stations are stored in the P1-P6 (87.5 MHz) cell of FM1-FM3 (or AM1-AM3) and displayed; slide to browse the stored stations.
2. far/short range switch; long range/close range search for radio stations.
3. Low-frequency search for radio stations and stop stations.
4. BAND Switch between AM (medium wave) radio mode and FM (frequency modulation) mode. The default is FM;
5. High-frequency search for radio stations.



6. Equalizer; click to jump to the equalizer interface.
7. settings; channel selection (stereo/mono).
8.  Low frequency step  high frequency step.



Click this icon in the application menu to enter the radio interface~

## Equalizer(EQ)

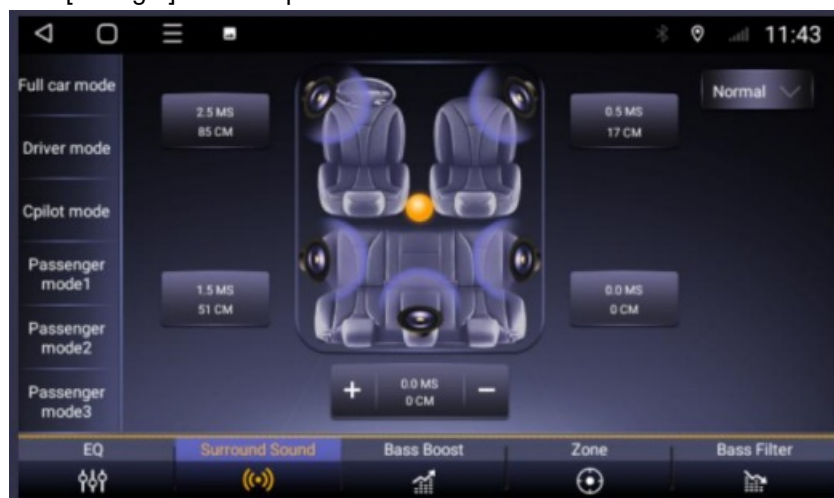
### EQ Home

Eight types of sound effects provide selection + customization. By adjusting electrical signals of different frequencies Compensate and modify various sound sources and sound fields, Or speaker effect.



### Surround sound

Six surround position modes. Different settings The position, the surround effect is different. Six surround sound modes, upper right corner [Triangle] icon to open and select.



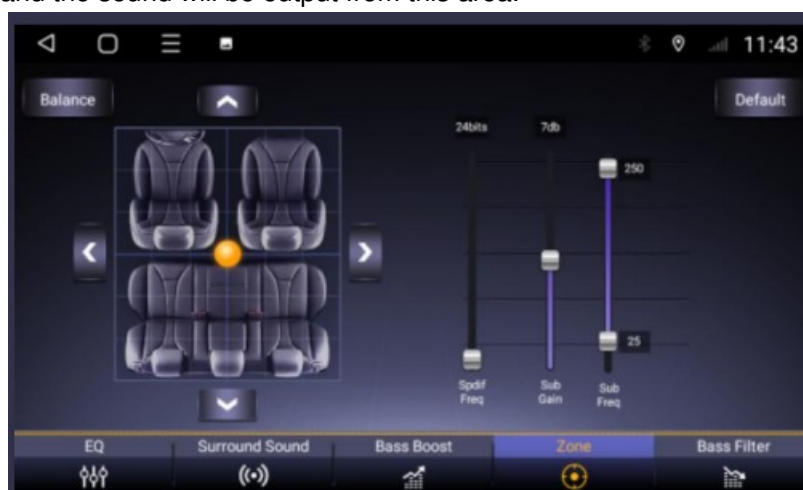
### Bass Boost

closed by default, adjust the bass effect of different frequencies, the interval value is 0-12 (enhancement registration), the upper right corner [default value] restores the default setting.



### Zone

The sound field setting is centered by default (indicating sound balanced output). For example, move the node to the driver's seat area, and the sound will be output from this area.



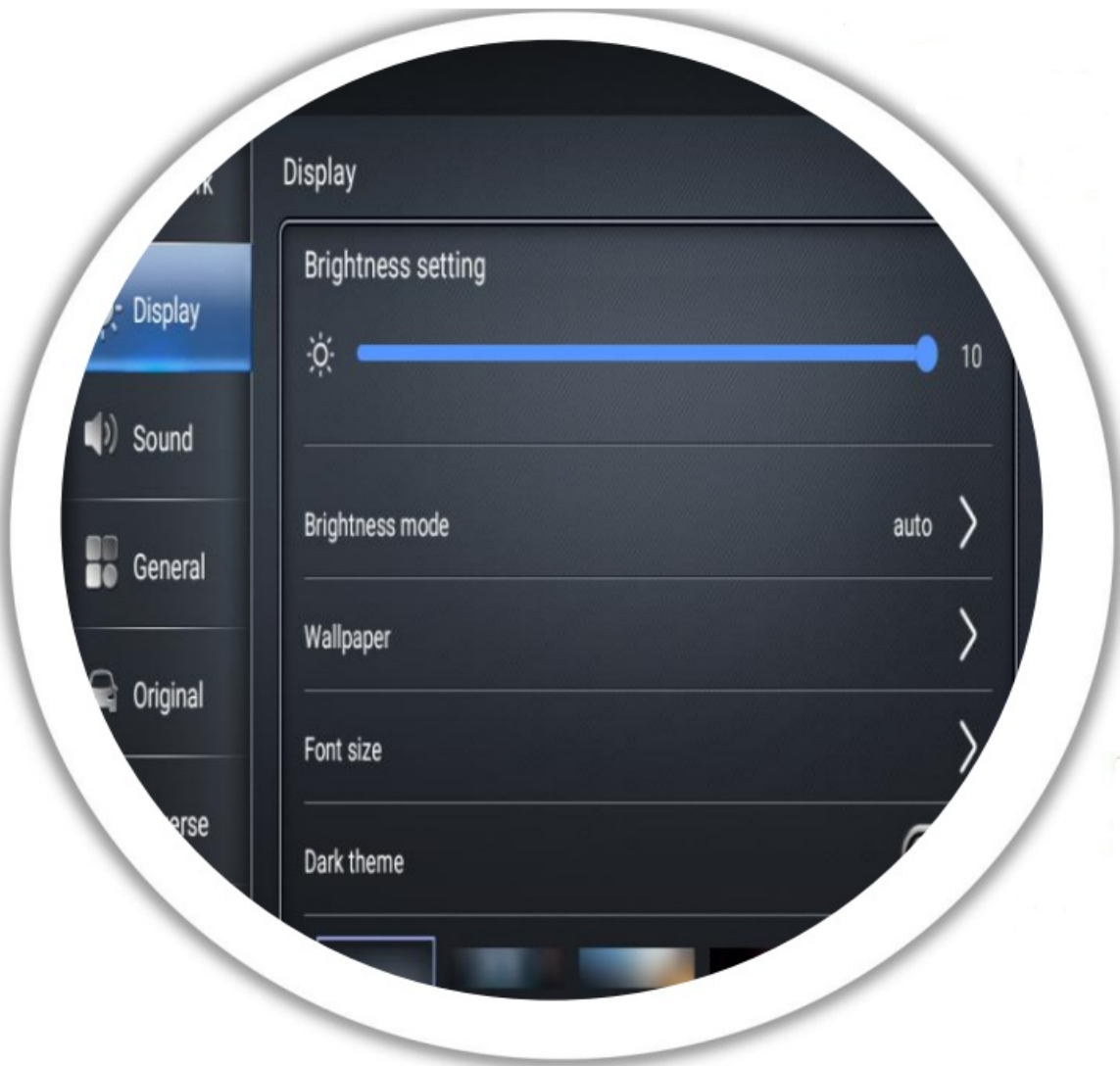
### Bass Filter

The default is off, the interval is 0-250Hz, the more frequency the greater the bass filtering effect. Adjustable front/rear speaker effect.



### Car settings





#### 1. Display

1. Brightness setting: touch the white node, slide left and right to adjust
2. Brightness mode: automatic, day and night three modes

#### 2. Network

1. WIFI connection: button to turn on/off. [More settings] enter the WiFi interface
2. Other network settings: airplane mode, closed by default

#### 3. Sound

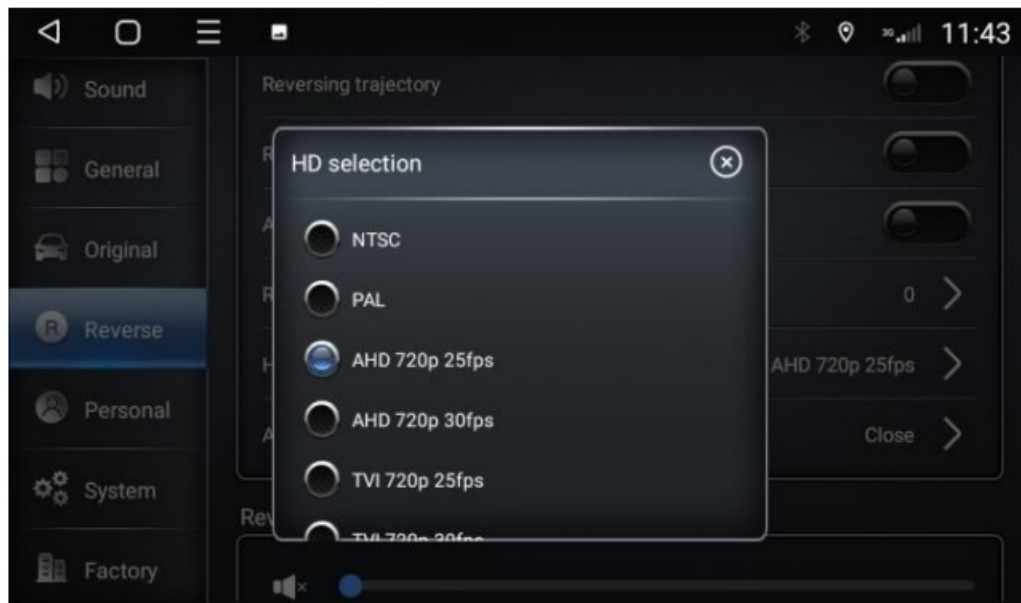
1. Set the sound priority: system, third-party sound priority or smart setting priority
2. Mixing settings: navigation mixing, open by default, navigation broadcast and background music

#### 4. Reversing

NTSC	NTSC ordinary CVBS camera	TVI 720 30fps	TVI 30-frame HD camera
Pal	PAL ordinary CVBS camera	AHD 1080p 25fps	AHD 1080p 25-frame ultra-clear camera
AHD 720 25fps	AHD 25-frame HD camera	AHD 1080p 30fps	AHD 1080p 30-frame ultra-clear camera
AHD 720 30fps	AHD 30 frames HD camera	TVI 1080p 25fps	TVI 1080p 25-frame ultra-clear camera
TVI 720 25fps	TVI 25-frame HD camera	TVI 1080p 30fps	TVI 1080p 30-frame ultra-clear camera

Configure reversing settings, mirroring, radar, trajectory lines, and ruler lines. After reversing the car body, tap the screen settings to adjust the brightness, contrast, chroma, and quick camera and ruler line settings of the

screen.



## 5. Sleep



**1. Do not sleep**

Does not support hibernation, normal power failure, the device will not start quickly

**2. Sleep for 2 hours**

The car is in a sleep state 2 hours before it is turned off, and it is normally powered off after 2 hours.

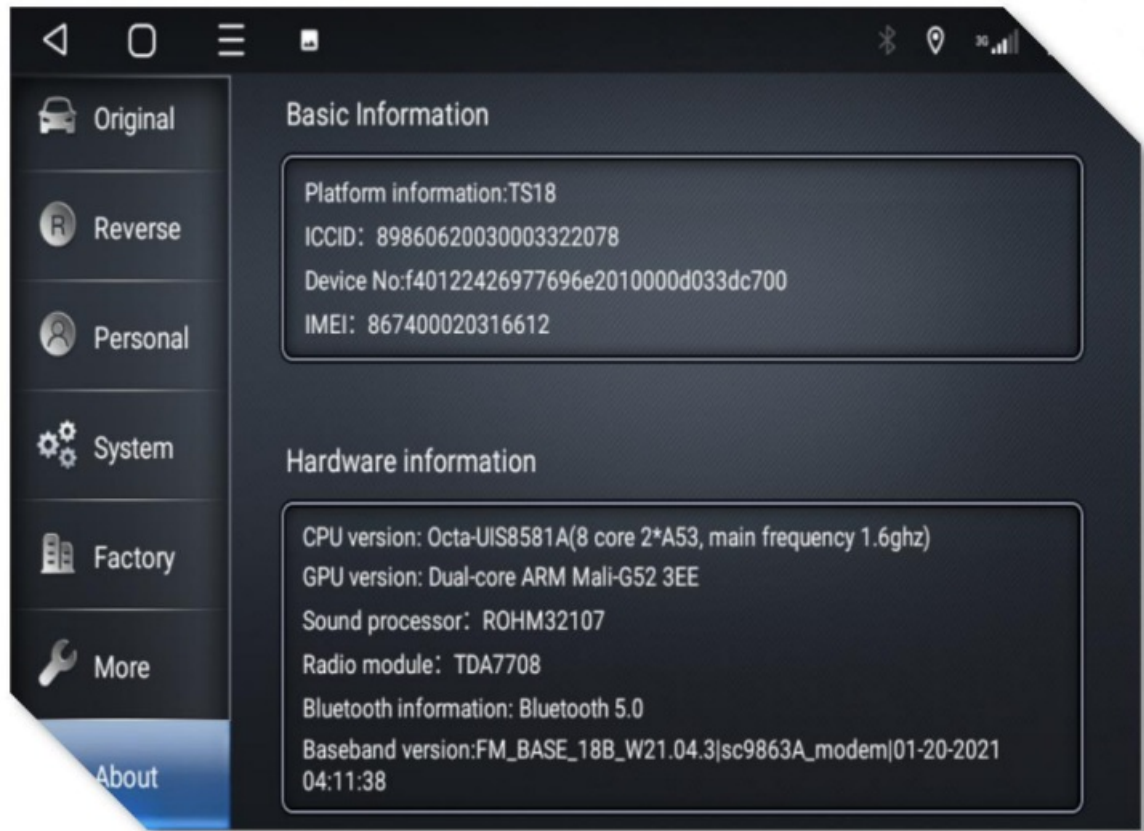
**3. Sleep for 1 days**

The car is in a sleep state 1 day before the car is turned off, and it is normally powered off after 1 day

**4. Sleep for 3 days**

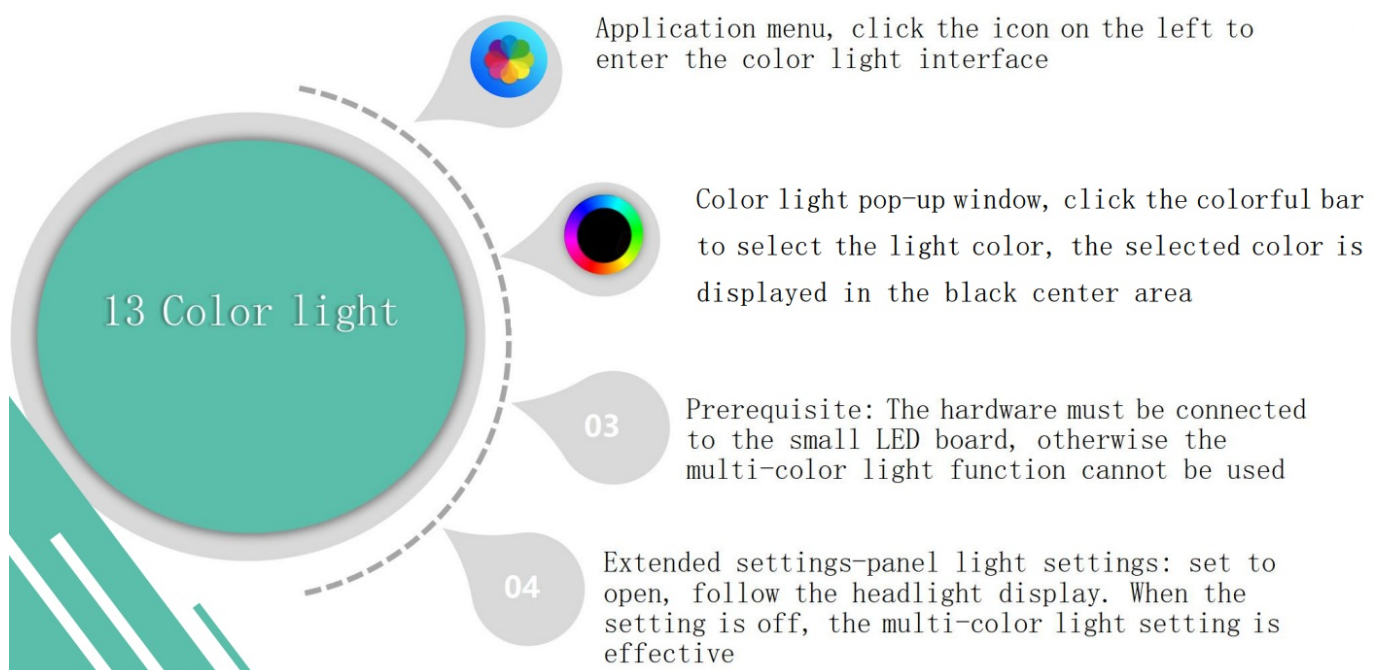
The car is in a sleep state 3 days before it is turned off, and it is normally powered off after 3 days.

**6. About**



1. Basic information: platform information....
2. Mobile network: network operator, Signal strength, mobile network type...
3. Storage information: total size.....
4. Hardware information: positioning, CPU, storage, audio processor, radio module.....
5. System information: CAN version, MCU version, system version (can detect and update the system)
6. In-vehicle setting version information: version update, suggestion feedback.....



## Color lights

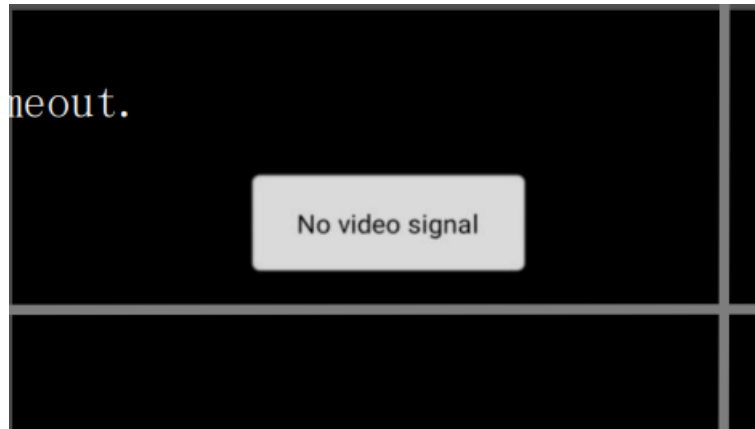




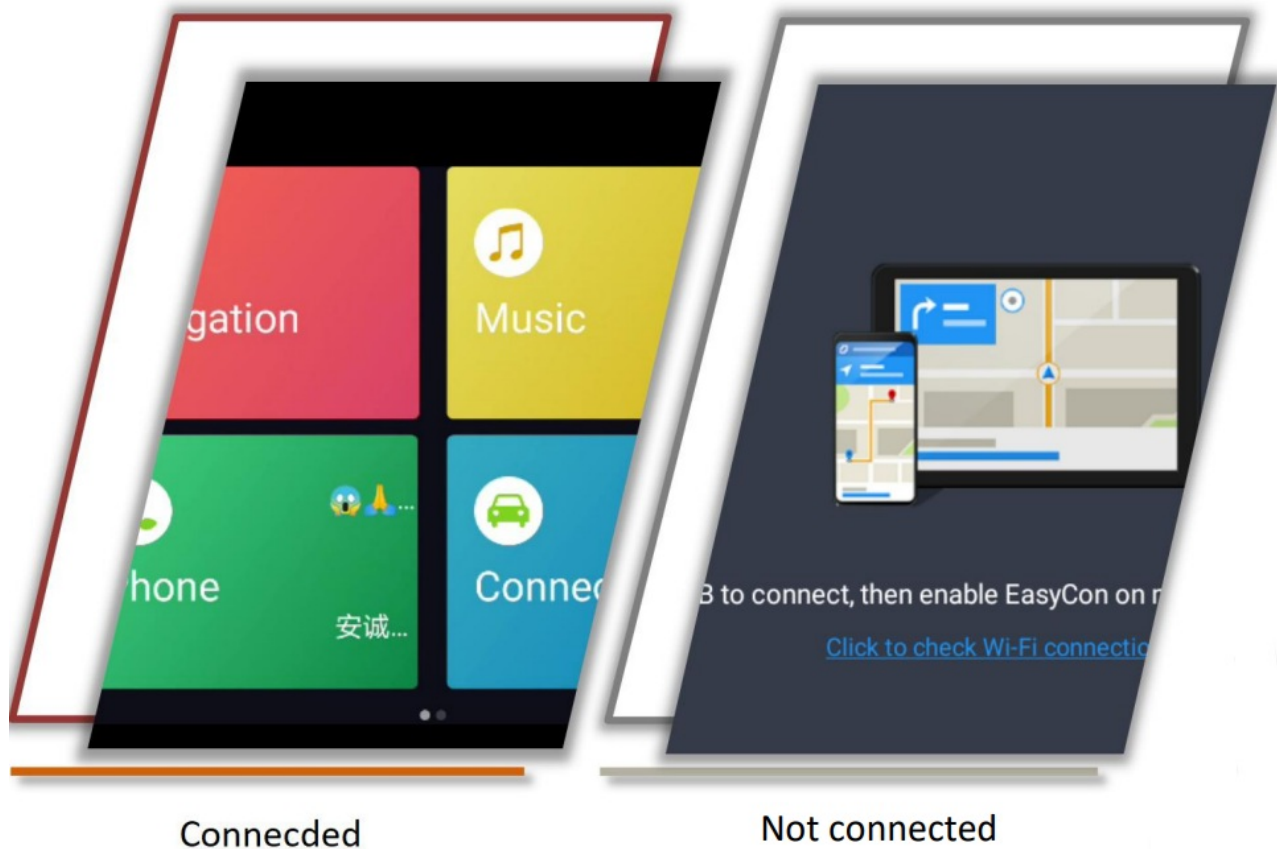


Click the AUX function to enter the AUX IN interface:

1. No video input, interface display: no video signal
2. Connect the signal and display the video screen.
3.  Return to the previous interface,  return to the main interface, and hide it after timeout.



**WWEasyConnect**



Connected

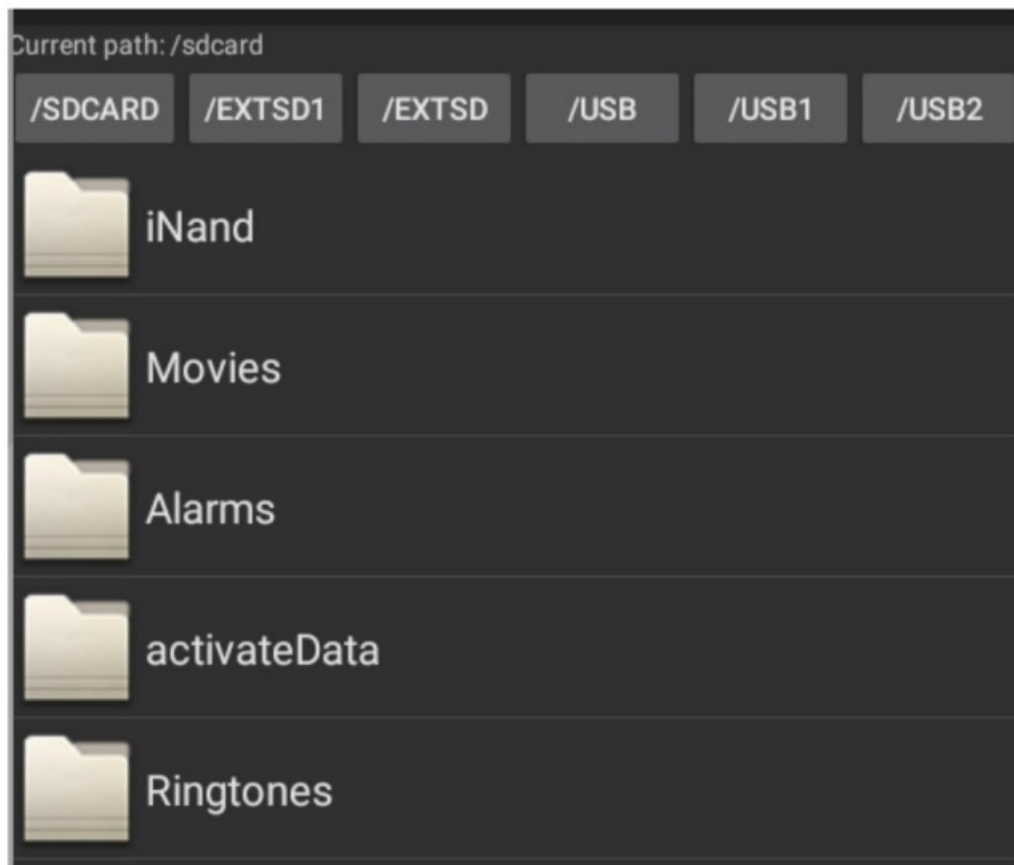
Not connected

**Note:** It needs to be activated before use; at the same time, the mobile phone must also download the Yilian APP. Download steps: On the Yilian connection page of the car and machine, select click to download the mobile APP.

- **Use of iPhone USB.**

Vilian needs to be paired with Bluetooth, otherwise the sound will be output from the mobile phone. Connect the car with an Apple data cable-open Vilian-open Vilian on the mobile phone Driving application—the car will pop up a connection request-click to confirm the connection, the Android phone usage is the same as above.

## APK installer

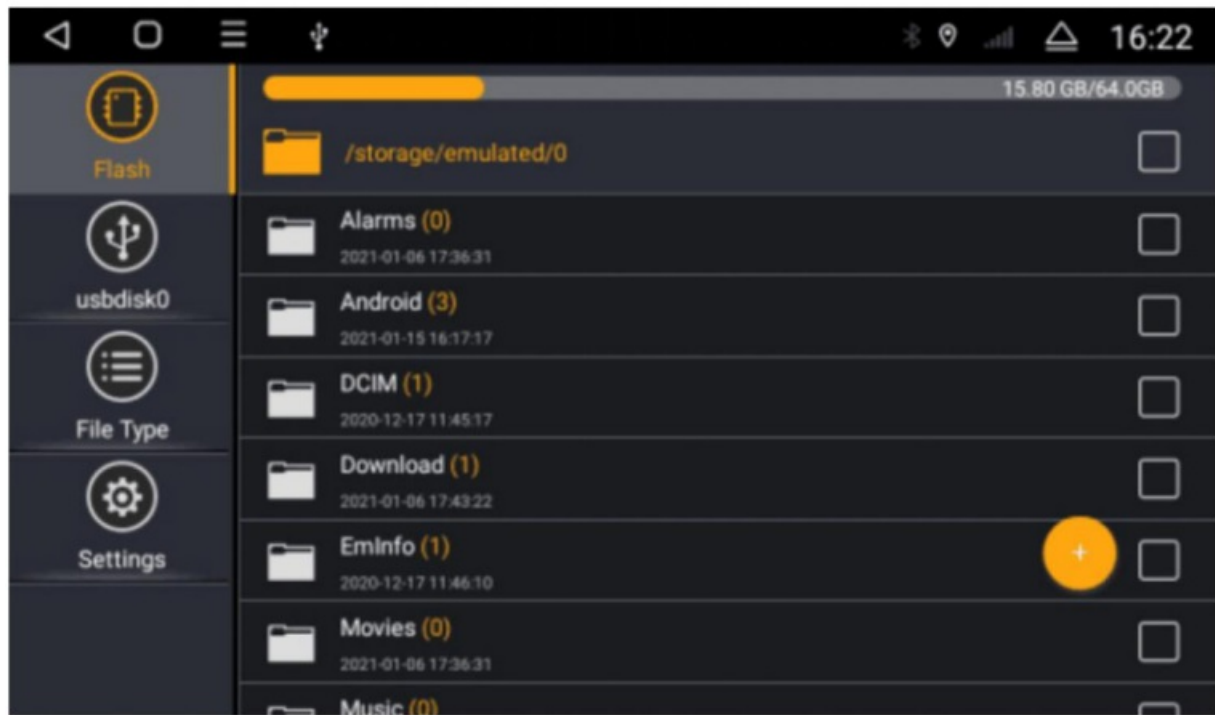


APK installer is an APP specially used for application installation, supporting multiple device types of operation, USB, SD card, etc.

1. Installation example:

- **A.** Connect the U disk containing the installed application to the car
- **B.** Open [APK Installer]
- **C.** Select the directory [USB0/USB1/USB2] to switch the USB port,
- **D.** Find the application and click Install.

## File manager



A powerful and easy-to-use resource management software, classified management of music, video, gallery, applications and documents; efficient search for target resources. Application installation, file copy, copy, delete, create, information view, cut and other functions are all available. Real-time memory reminder to avoid system lag and usage degradation. It also supports external device operation, U disk, SD card, etc.

## SettingWheel



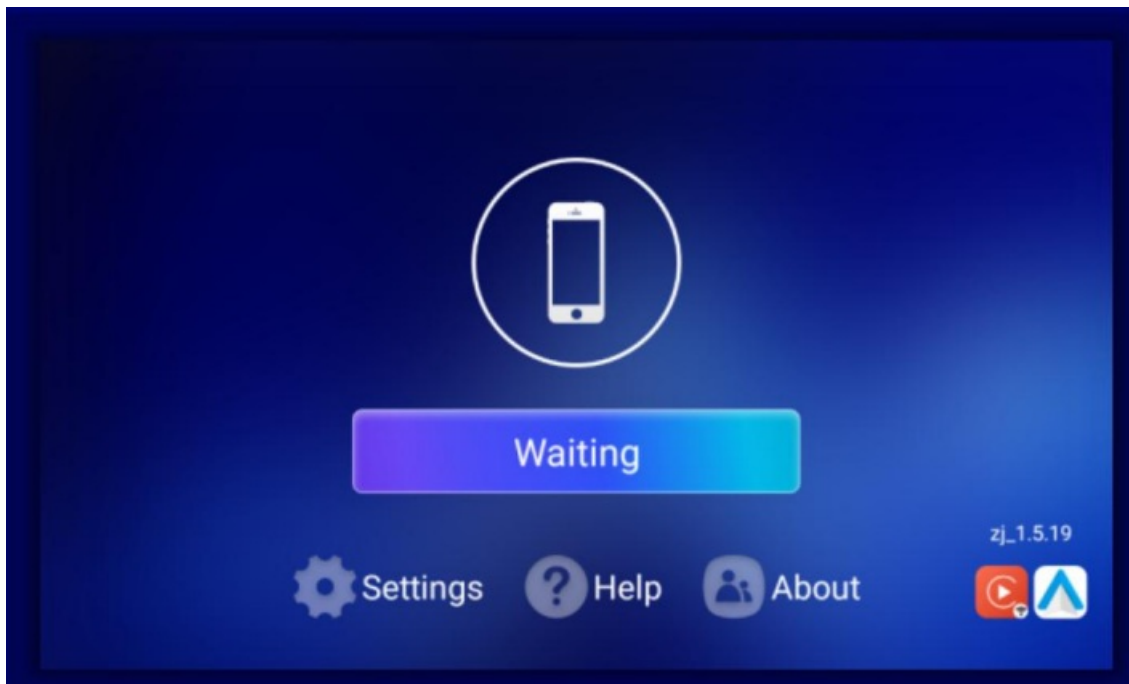


### Multi-function steering wheel learning steps:

- **A.** Click on the application menu to enter the steering wheel interface
- **B.** Click [Start]
- **C.** Select the key to learn, such as "Volume +"
- **D.** Press the corresponding physical button on the steering wheel, and the button will be highlighted in blue after learning.

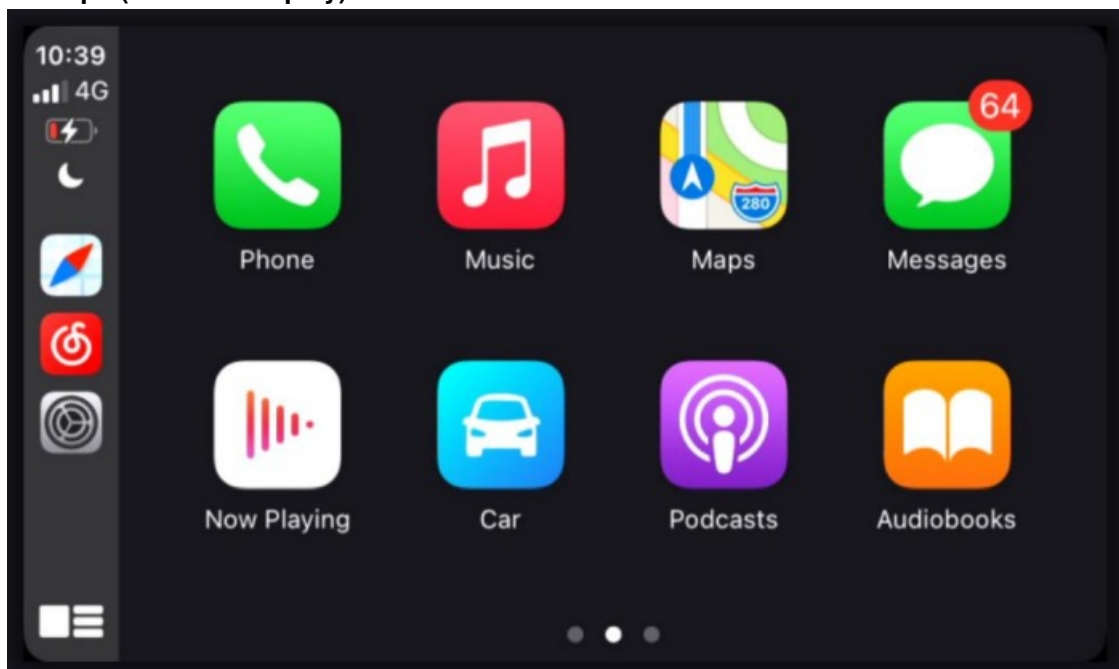
When learning, you can choose high, medium and low impedance according to your needs; When you need to clear the learning records, first click [Start]-then [Reset].

### Tlink



1. Tlink is the name of the application that supports the carplay+autoplay function. It needs to be activated before using Tlink. Please refer to the “Tlink Activation Guide” for the activation steps.
2. Carplay is an in-vehicle system released by Apple
3. Android Auto is an interactive application between smartphones and car infotainment systems specially designed for cars launched by Google

**Connection steps (wireless carplay):**

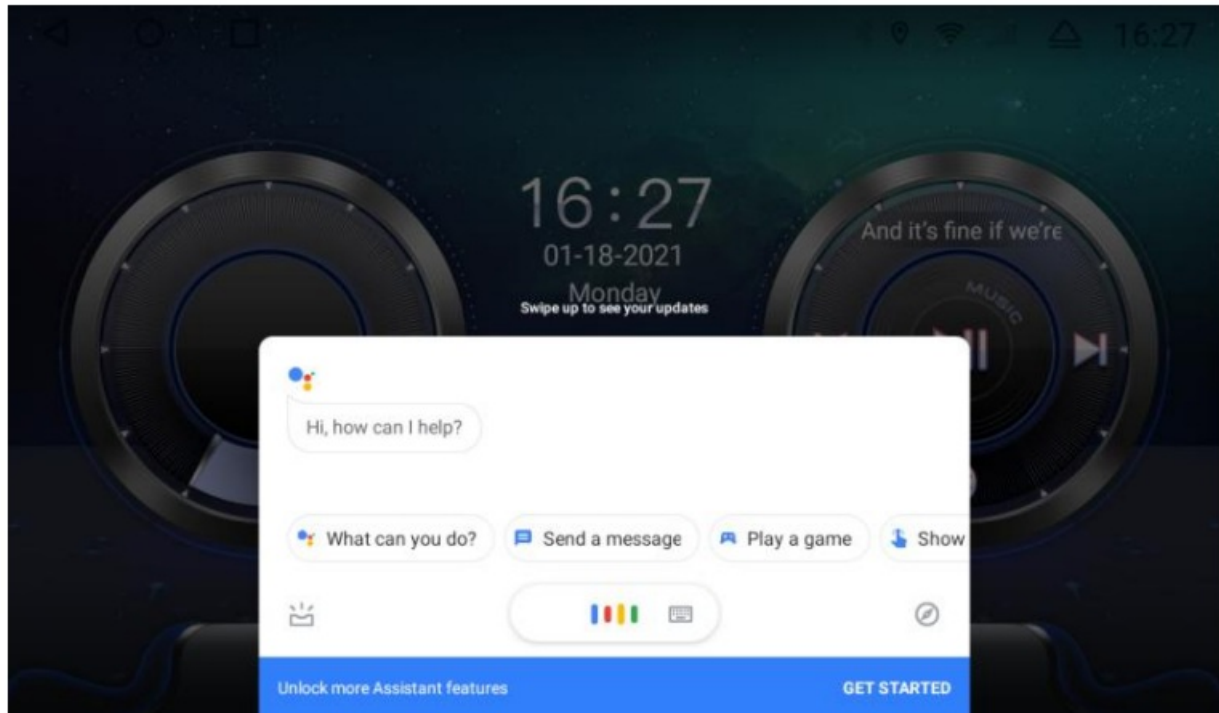


1. Install and activate the Tlink app
2. iPhone mobile phone pairing car Bluetooth
3. Turn on the mobile phone LAN switch (WiFi)
4. Open Tlink and enter the connection page
5. Tlink will automatically detect the device
6. Confirm “Use carplay”

If necessary, please contact us for detailed instructions on Tlink

## Voice

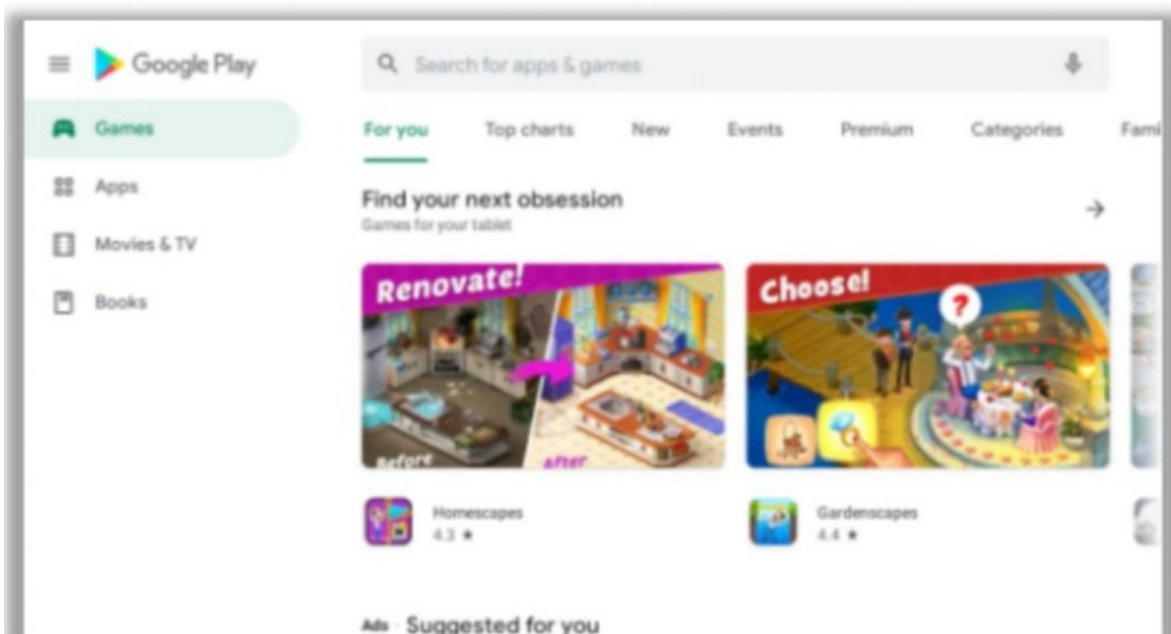
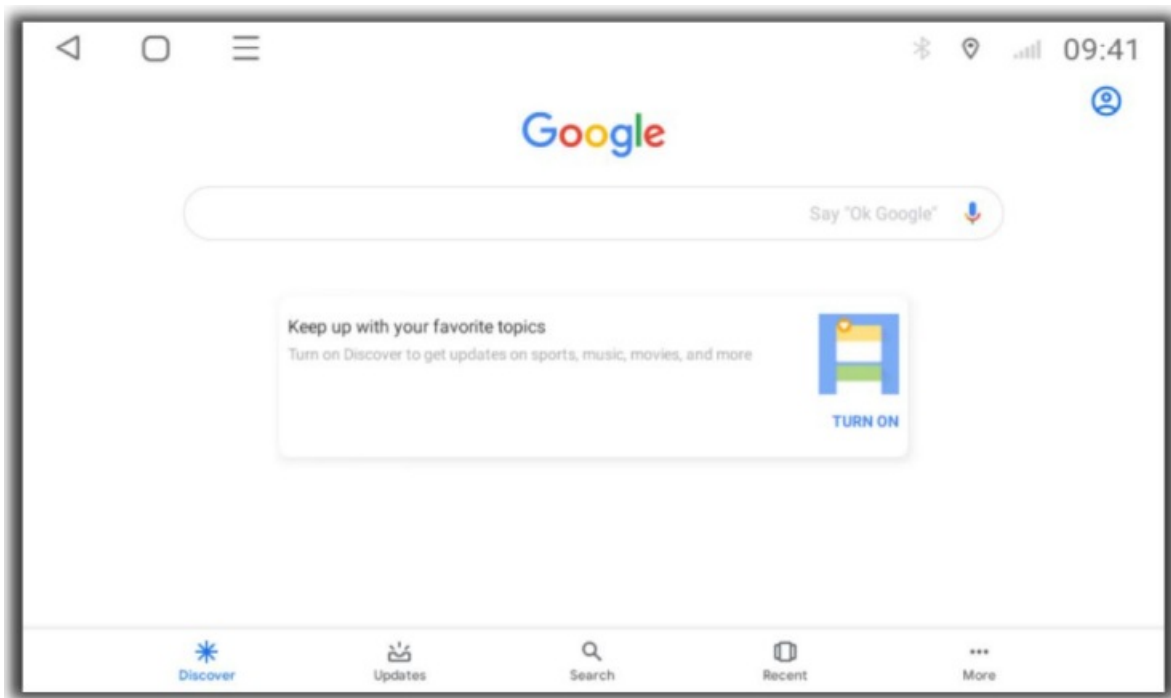
The intelligent voice assistant specially created for car scenes can control various functions of the car through voice so that you can also control navigation, switch music, make calls... and other operations more simple and convenient while driving. You only need to call "OK Google" to wake up the voice operation.



1. After voice wake-up, as shown on the right
2. Open [Google] in the application menu to set quick wakeup
3. Setting steps: More->Settings->Voice->Voice Match->open [hey google]->Retrain voice model. Follow the prompts for audio recording

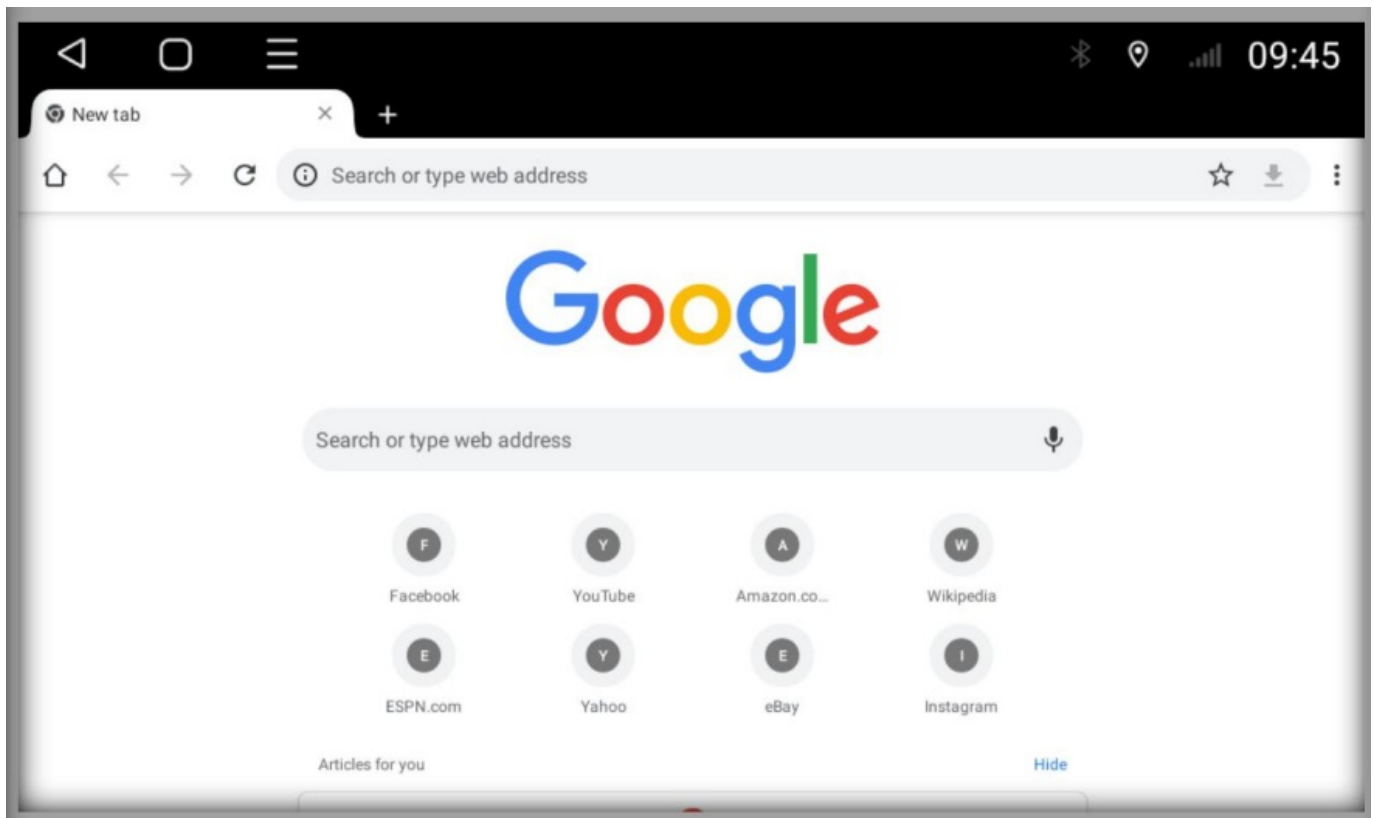
## Play store

It is the official application store for devices running the Android operating system, allowing users to browse, download and use applications. It is also a digital media store for the Android operating system. It contains services including Google Play Books, Google Play Games, Google Play Movies and TV and Google Play Music, allowing users to browse and download e-books, music, games, and TV series.



## Chrome

Integrating resources and high-quality content, massive expansion, application downloading, video viewing, answering questions and answering questions, a good car helper. [Headline Consultation] Wonderful headlines, don't miss hot news [Massive videos] full collection of new hot spots [search] New consultations, exciting content, just search [Massive Novels] Popular novels are updated faster, and reading is more worry-free [Subscription boutique] Time tracking, high-quality account, boutique column, subscription to enjoy good content!



## FCC

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** 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.

### FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 by 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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.



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TS18 Vehicle Navigation, TS18, Vehicle Navigation, Navigation

## References

- [User Manual](#)