

# User Manual

## Basic operation






### Power on & Power off

The radio will be powered on automatically when turn on the car ACC powered, and then access into its main UI after show the start logo or Boost image. the radio will be powered off automatically when take the car key out.

### RST

The system will be reset and restart after use the smaller things to press into the RST hole which on radio's front panel.

### Touching Buttons on screen left side

	Power	On powered on, long press:system screen off and in mute status. Short press: Mute
	Main UI	Press button "Home" will be access into Main UI
	Back	Press button "Back" will be backed to previous interface and exit the current mode
	Volume +	Volume up
	Volume -	Volume down

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## Basic operation

### The use of touch screen

Use the finger directly to touching the icon or buttons to operate

### Click/Click and Hold

Use it to selete an icon or option on display screen. eg: short click the radio icon on Main UI to turn on radio station; long click the icon or entry until the system performs the corresponding operations to remove. eg: long click the APP icon on main UI to remove or delete it.

### Slip

Using the finger to slip the touch screen left and right or up and down. Eg: slip the screen up and down to check the music display list.

### Zoom

When you read the webpages, can use two fingers to long click the screen, Spread two fingers to zoom in on the webpage; Merge two fingers to zoom out a webpage.


### Program switching

- Radio, music, video and Bluetooth music cannot work at the same time.
- Radio, music, video, Bluetooth music can work with GPS function at the same time. The volume of radio, music, video, bluetooth music will be automatically turn down while GPS broadcast.

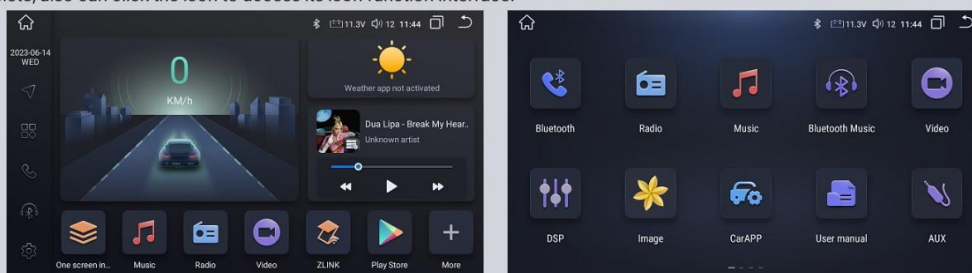
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## Functional Applications

### Main UI

On Main UI, you can click the corresponding icon into the corresponding function you want, but on non-main UI to click  to access into main UI.

Click  access into icon interface. The app icon interface can slip left and right, can long click the icon to remove or delete, also can click the icon to access its icon function interface.



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## Functional Applications

### Status bar

There have three common buttons on the status bar: – Main interface, – Back, – Recent tasks, and show time and some functions status notices' icon. Eg: bluetooth icon, mute icon, etc.

### Recent task

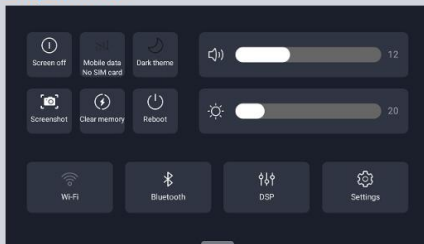
Click , to access into the interface to show the all recently used applications. Click , to Clear all opened apps.



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## Functional Applications

### Dropdown bar



	DSP		Settings
	WLAN		Bluetooth
	Bright adjustment		Volume adjustment
	Screen off		Data
	Dark Mode		Screenshot
	Accelerate		Reboot

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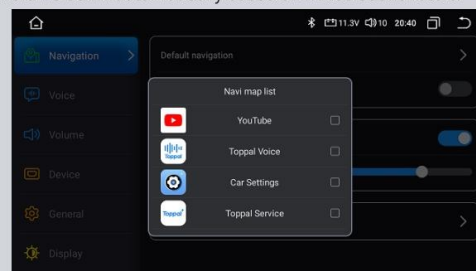
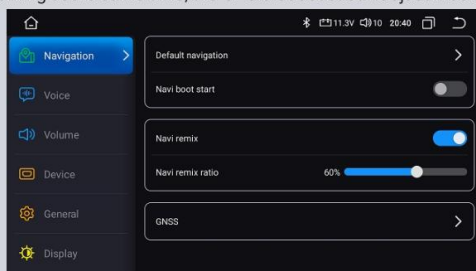
## Functional Applications

### Car Settings

Can be set the GPS, Voice, Volume and other settings on Car settings, system upgrades and MCU upgrades can be manually operated, can check system version and basic information.

### Navigation settings

The installed software can be selected as the default navigation software, and the navigation can be set as start. when Navigation mixed sound function is turned on. its volume mixed percent can be adjusted. Eg: when music and navigation are working at the same time, the GPS broadcast can adjust music's volume down automatically based on mixed sound rate%.

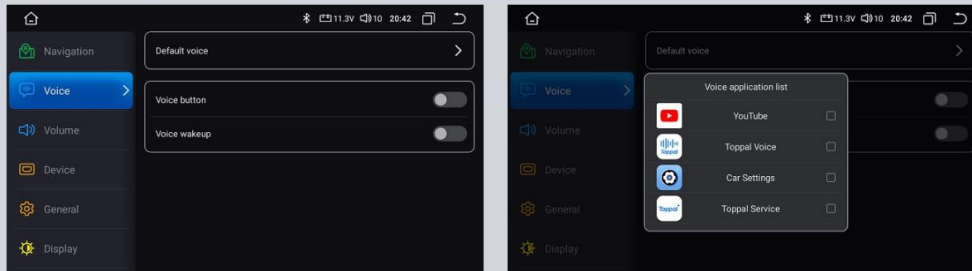


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## Functional Applications

### Voice settings

The installed software can be selected as the default voice software. It will be showed the floating voice icon once turn on the Voice button, Click it to start voice application. Turn on the voice wake-up function, you can say to Mic with "the set voice wake-up words" to wake up the voice application.

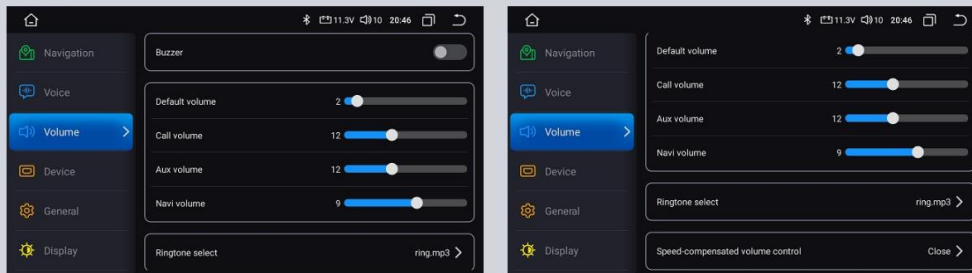


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## Functional Applications

### Volume settings

Key tone can be set as with sound or mute. And on volume settings, you can set the different audio types as default volume once start.



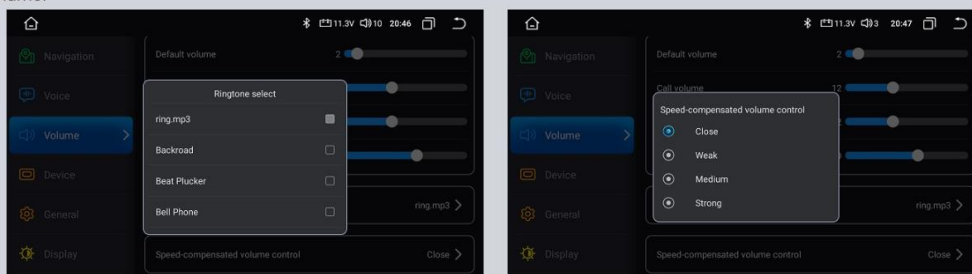
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## Functional Applications

### Volume settings

Ring tone selection allows you to set the Bluetooth call ringtone.

Speed compensated volume control, divided into four types: off, weak, medium, and strong. When the control type is one of three types (weak, medium, and strong) and the speed reaches the starting speed of speed compensated volume control (such as 40km/h), the speed compensated volume control begins to take effect. Compensate volume control only for media type volume.

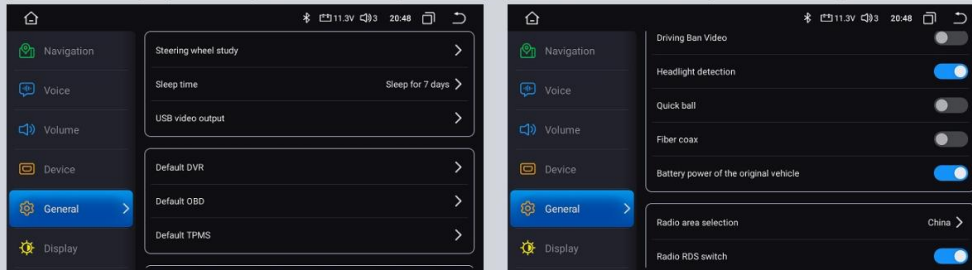


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## Functional Applications

### General settings

- Sleep time, whether the Control car wakes up from sleep or resets and restarts.
- Driving prohibition video, in driving mode, controls whether the video playback screen is displayed.
- Turn on the headlight detection, when the lights are turned on, the screen brightness will be dimmed.
- Turned on the floating ball, it will show the common key operation interface suspended in other interfaces, such as volume +/-, Back, Home, etc.
- Control the display of the original vehicle voltage on the status bar based on the battery level of the original vehicle.

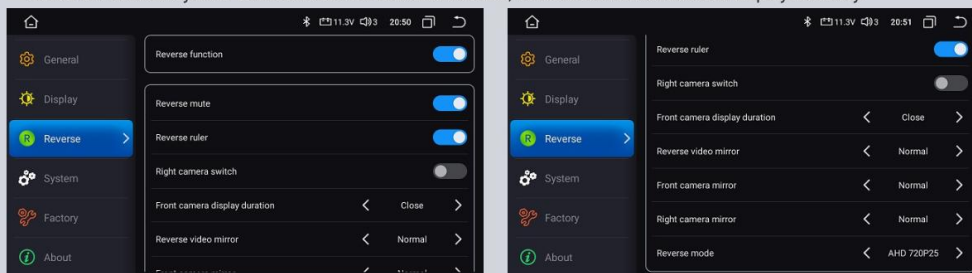


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## Functional Applications

### Reverse settings

- The reverse function switch is used to control whether the reverse screen is displayed when reversing.
- The reverse mute is turned on, and the system will mute when reversing.
- Reverse mirror setting, controlling the display direction of the reverse screen.
- Select the reverse system that matches the installed camera, and the reverse screen will display normally.

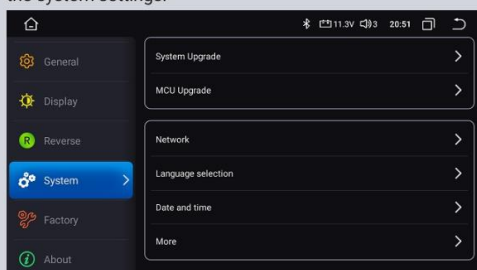


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## Functional Applications

### System settings

By quickly setting up the network, language selection, date and time settings entry point. You can also click on More to enter the system settings.



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## Functional Applications

### The definition of Steering wheel learning button

	Power	MODE	Mode		Volume +		volume -
	Mute		Previous		Next		Play / Pause
	Navigation		Voice		Backlight		AUX
	Answer		Hang up		Previous / Answer		Next / Hang up
	Back		Home		Radio		Music
	Video		Settings		DSP		Auto-save
	Front video						

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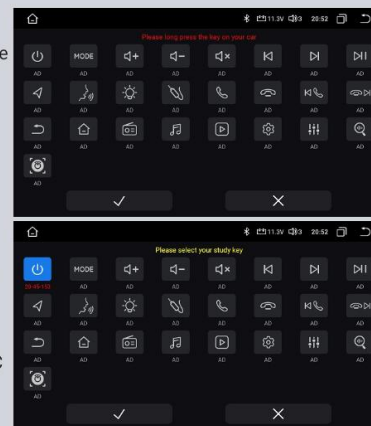
## Functional Applications

### SWC learning

In Car Settings->General->select steering wheel learning, the user can operate the steering wheel buttons according to the prompts.

**Note: the car without canbus protocol which needs to do steering learning on car settings.if the car with CANBUS system which needs the canbus box to analyze the original car's steering wheel buttons.**

- 1 Click "clear" button, it will erase all its learning settings.
- 2 Press the car steering wheel buttons which you want to set, once the notice words became as to choose learning buttons, then can click the button icon.
- 3 If succeeded to set, the icon of the button learned on the interface will be highlighted.
- 4 Do the same steps as above for other steering control buttons learning.
- 5 After the learning is completed, click "save" button, and then exit SWC learning interface, then you can use the SWC buttons's functions as you set.



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## Functional Applications

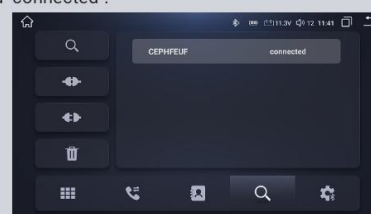
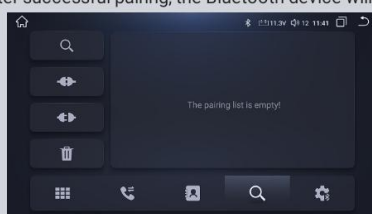
### Bluetooth

After the item is powered on, the bluetooth function is set turned on as default , You can pull down the status bar to turn on or turn off the Bluetooth function.

### Device search

- Search device • Connect device • Disconnect • Clear device

- 1 Click the "search device" button to search for Bluetooth devices around the car.
- 2 After detected the device, click the device to be connected, such as a mobile phone, and then click the "connect device" button, the mobile phone will pop up a Bluetooth pairing request. If needs a pairing password, then the default password is: 0000
- 3 After successful pairing, the Bluetooth device will be showed "connected".







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## Functional Applications

### Bluetooth phone







-  Answer call
-  Hang up
-  Switch to mobile
-  Switch to car machine





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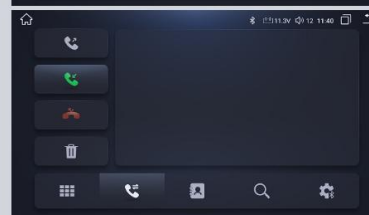
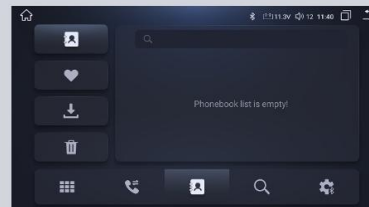
## Functional Applications

### Bluetooth phone book

-  Contact list
-  Favorite contacts
-  Download
-  Delete All Contacts

### Bluetooth Phone record

-  Called
-  Answered
-  Missed
-  Delete All Call History



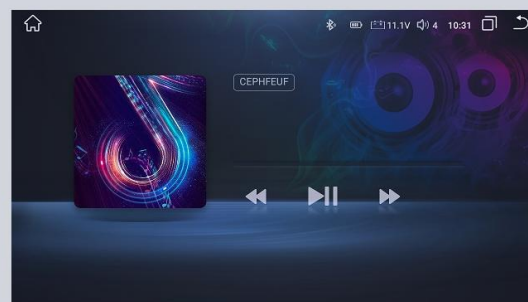
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## Functional Applications

### Bluetooth Music

You can play music via Bluetooth after connecting to Bluetooth successfully.

-  Previous
-  Play/Pause
-  Next



Use bluetooth music function to display the cell phone songs, but some needs to turn on the music app on cell phone when using this function with our item.

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## Functional Applications

### Radio

In Radio station, can switch on FM/AM bands, search and save the radio station you like, and supports RDS. The specific operation as pictures show:

⏪	Low-frequency step tuning
⏩	High-frequency step tuning
🔍	Auto search radio station and save station
⏮	Search to the Previous valid station
BAND	Switch bands
⏭	Search to the next available station
📶	Set range
🔊	Access into DSP apk



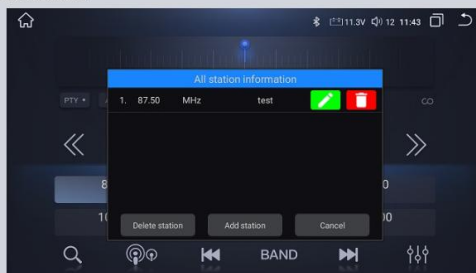
Click 🔍, and the searched valid radio will be displayed on the ( P1-P6 ) button. If the ( P1-P6 ) button has radio stations, do short click one of buttons which will be set its radio station on it. Sliding the frequency scale to search your favorite radio station, long press one of buttons ( P1-P6 ) to save it.

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## Functional Applications

### Radio

Long press the radio frequency to enter the radio station name editing interface. The edited name is displayed on the preset radio station.



### RDS

Supports "TA" and "AF" functions, the AF can search others transmitting frequencies automatically on current radio stations .and TA can search the same type radio stations automatically. Press "PTY" to allow the user to search their favorite program, such as specific types of music.

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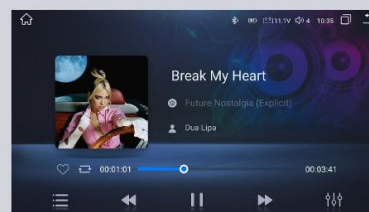
## Functional Applications

### Music

The music app supports multimedia format: MP3 / WMA / FLAG / WAV, etc.

- 📁 Play Mode: repeat playlist / random playlist / single playlist
- ❤️ Favorites list
- 📁 Access into music playlist
- ⏮ Previous
- ▶ Play / Pause
- ⏭ Next
- 🔊 DSP

- The current playlist is showed on the right side of the display interface.
- Press the highlighted button on the left edge of the interface to display the album image of the current play song, press again to hide the image.



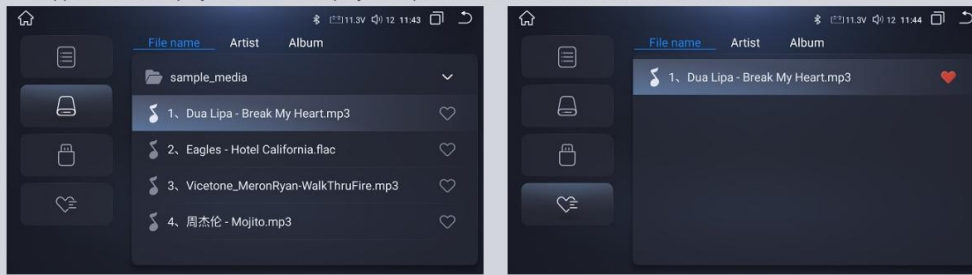
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## Functional Applications

### Music

- Music playlists interfaces are divided as "My favorites", "All songs", "Built-in storage playlist" and "U-disk playlists".
- Supports 3 U-disk playlists. the U-disk playlists option will be hidden if U-disk is not inserted.



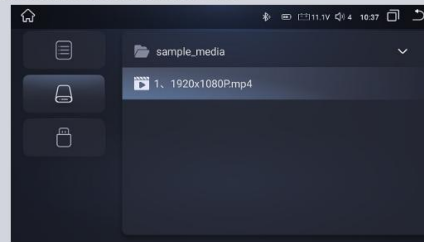
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## Functional Applications

### Video

The video app supports multimedia formats: MP4 / FLV / AVI / MKV, etc.

- Enter the video playlist • DSP
- Previous • Play / Pause • Next
- The video playlist is divided as "all videos", "built-in storage playlist" and "U-disk playlists".
- Supports 3 U-disk playlists. the U-disk playlists option will be hidden if U-disk is not inserted.



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## Functional Applications

### DSP

DSP supports multimedia modes: customize, standard, rock, soft, classical, pop, hall, jazz, cinema. And Balance. DSP supports 48 segments of data can adjust from 20HZ to 20k HZ, which shows in 3 pages.



### Surround sound

Four surround position modes, which can adjust the surround effect of speakers in different positions.

The surround sound adjustment can be turned off and turned on by the surround sound switch.

Slide the right side vertical progress bar to adjust the surround strength of the rear speaker.



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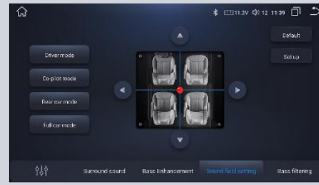
## Functional Applications

### Bass boost



Default is OFF (OFF). You can adjust the bass effect of different frequencies, slide the selected frequency, such as 54Hz, and slide the upper progress bar to adjust its frequency. its rang within 0-12.

### Sound field settings



The default is centered, and the sound is output in a balanced manner.

Selecting different speaker modes which will focus on the sound output of a certain area.

Adjust the buttons around the seat picture or slide the small icon on the seat picture, which also focuses on the sound output of a certain area.

Click the setting button, it can be used for equal loudness switch.

### Bass filter



The default is off, the interval is 20-250Hz, the higher the frequency, the stronger the bass filtering effect.

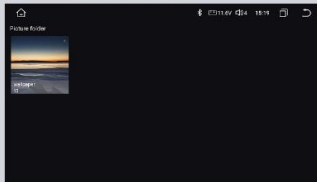
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## Functional Applications

### Image

In the picture application, you can set the pictures as the system wallpaper from the built-in storage space and U disk, or set pictures display automatically.

- Set the picture as the system wallpaper
- Play previous picture
- Autoplay pictures
- Play next picture
- Rotate the picture



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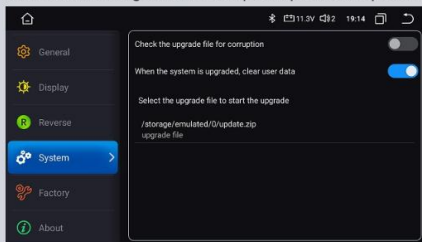
## Fault Treatment

### System upgrade

① Name the Android upgrade file "update.zip", put it in the root directory of the U disk, and then insert the U disk into the USB cable which on the back side of the item.

② Access into the "car settings", click "General", and select "System Upgrade".

③ Click the "upgrade file" and then to start the system upgrade process. during this upgrade process, the system will restart and needs a long time to complete, please be patient!



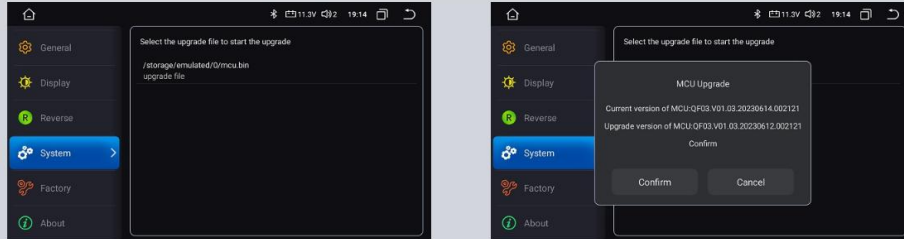
**Note:** During the upgrade process, please do not power off or perform other operations.

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## Fault Treatment

### MCU upgrade

- ① Name the MCU upgrade file as "mcu.bin", put it in the root directory of the U disk, and then insert the U disk into the USB cable which on the back side of the item.
- ② Enter the "car settings", click "General", select "MCU upgrade".
- ③ Click the "upgrade file", and the MCU upgrade confirmation interface pops up. Click OK to enter the MCU upgrade process. The system will restart after the upgrade is completely, please be patient!



**Note:** During the upgrade process, please do not power off or perform other operations.

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## Fault Treatment

### Fault Treatment

**Note:** If you encounter the following problems during use, the troubleshooting wizard will help you solve the problem quickly. please consult a professional or go to the sales office if the problem is still not be solved. Do not disassemble the machine without permission to avoid serious consequences.

Phenomenon	Reason	Countermeasure
Unable to start	<ol style="list-style-type: none"> <li>① Car ACC is not be started</li> <li>② The power wire cable is not be plugged in</li> </ol>	<ol style="list-style-type: none"> <li>① Turn on the ACC</li> <li>② Plug in the power wire cable</li> </ol>
Can't connect with network	<ol style="list-style-type: none"> <li>① The 4G card is not installed correctly</li> <li>② The 4G card has no Netflow</li> </ol>	<ol style="list-style-type: none"> <li>① 1Install the 4G card correctly</li> <li>② Recharge the 4G card</li> </ol>
Touchscreen not have responding	The system is handling some procedure	Wait for a while, if still not have response after for a long time, then to contact the after-sales service technician for assistance.
Reversing without rear view image	<ol style="list-style-type: none"> <li>① The rear camera is not installed</li> <li>② The rear camera type is not compatible with the camera settings</li> </ol>	<ol style="list-style-type: none"> <li>① Install the rear camera</li> <li>② Change to install the compatible camera or choose correct camera type on settings</li> </ol>
GPS cannot fixed position	<ol style="list-style-type: none"> <li>① GPS antenna not be plugged in</li> <li>② Maybe in a GPS Signal shielding area</li> </ol>	<ol style="list-style-type: none"> <li>① Installed the GPS antenna</li> <li>② Try to drive the car for a distance, and observe whether the GPS signal is restored. Please contact the after-sales service for helps if still not fixed</li> </ol>

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