G6 series
Android 13 Head Unit
-User Manual-

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G6 Specification

Operating System	O.S	Android 13.0
Processor	CPU	Qualcomm Snapdragon 665 Octa-core
	Chipset	QCM6125
	GPU	Adreno™ 610
Memory	RAM	4G /8GB
	ROM	64G /128GB
Display	Touch Screen	G+G Capacitive touch screen
	Display Screen	Anti-glare IPS full view screen
	Resolution	10.4/12.1inch: 1024*768 11.8/13.6/16inch:1920*1080 12.3 inch: 1920*720
Navigation	Satellite Search Positioning	GPS/Beidou/GLONASS
	Navigation Maps	Google Map/IGO/Sygic/Waze/Yandex etc
Application	Bluetooth	Bluetooth 5.0 + Bluetooth 4.1 dual module
	Radio Module	SI47925 module, support DSP+ radio function
	Phone Link	Wired/wireless apple carplay,android auto,huawei hicar
	Voice Control	More than 10 Languages smart voice control
Multimedia	Sound Effect	Built-in DSP (48 bands of EQ),built in DTS surrounding sound
	Audio Output	Built-in TDA7850 Amplifier,support RCA5.1 output Support optical and coaxial output
	Audio Format	MP3,WMA,APE,FLAC,AAC etc
	Video Output	HDMI, USB to CVBS, USB to HDMI
	Video Format	MP4,AVI,MOV,RMVB,FLV,MKV,etc Support 1080p@30fps encoding,4K@30fps decording(H.264)
	Image Format	JPG,JPEG,PNG,BMP,GIF,etc
Network	Connecting	4G /WiFi / mobile phone hotspot
	4G Network Frequency	TE-TDD ： B38/40/41 WCDMA ： B1/B2/5/8 LTE-FDD ： B1/3/5/7/8/20/28 GSM/EDGE ： 850/900/1800/1900MHz
	WIFI Connecting	IEEE802.11b/g/n/ac for 2.4G 20/40/80MHZ VHT for 5G
Expansion	Input Signal	1080P AHD ,720P AHD & CVBS signal
	360	Built in 4 direction 1080P,720P
	USB	2 ways USB 2.0, support original USB port
	Gyroscope	Bulit in 6-axis gyroscope
Standby mode	Boot	Support quick start (reboot)

1 Home Page

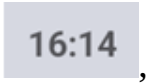
The home page mainly has two different styles, which can be changed in the system settings.

Classic style

Modern style

* Unless otherwise specified, all example images in this manual are shown in the Classic style, Day mode.

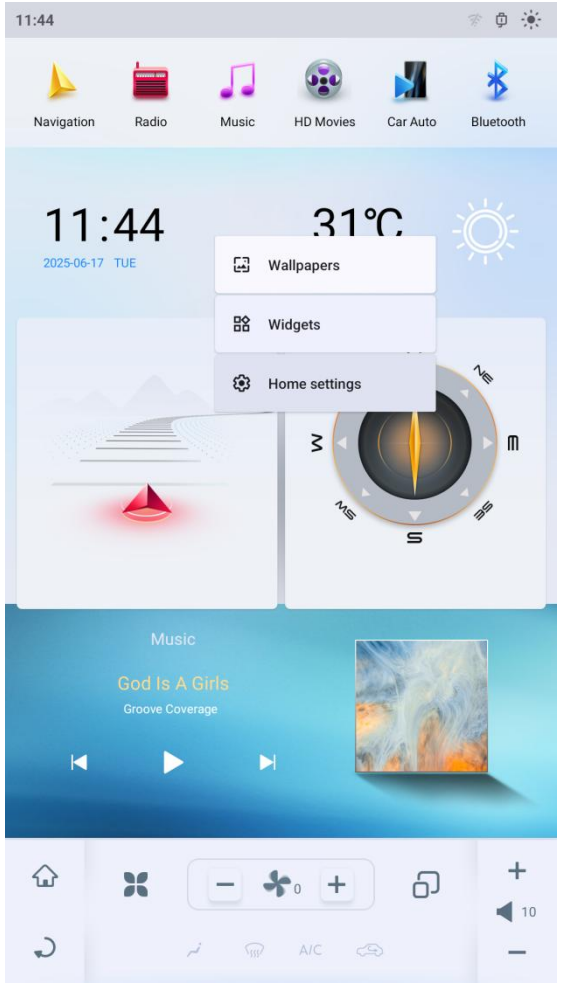
1.1 Upper Status Bar

In this area, you can check time 

, 4G connection status

, WIFI status
, Bluetooth status
and USB connection status
. At the same time, you can also quickly adjust the screen brightness by tapping the sun icon
.

1.2 Middle Function Icon

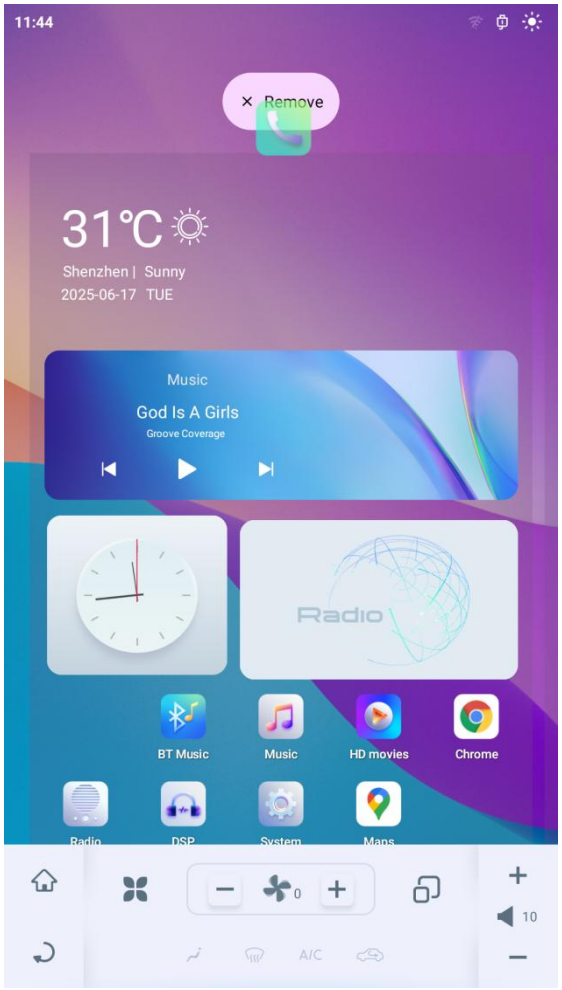


For your convenience, we've pinned some commonly used applications on the home page. However, please note that in the classic style, these pinned applications cannot be customized. *If you wish to customize the appcations on the home page, please switch to the modern style.*

1.3 Middle Widgets

Long press on the blank screen and the widgets icon appears. Click to enter the widget page, select the widget options available for each application, and display them on the main screen. You can also change the wallpaper on your preference. *Also please note that the above-mentioned operations for changing the screen widgets and wallpaper are only available in Modern style.*

1.4 Moving and Unloading of Widgets



Press and hold the widget for 2 seconds to enter the drag mode, drag the widget to the position you want, and then release the icon. If you want to unload the widget, try to press and hold the widget icon and drag it to the removal area where the page appears. Release the icon to unload the widget. *(Take the Modern style on the right side as an example.)*

1.5 Lower Air conditioning Bar

- Tap the icon to go back to home page.
- Tap the icon to return to the previous page.
- Tap the icon to pop up the application page.
- Tap the icon to display the apps currently running in the background. Long press it to enter split-screen mode.
- Tap the icon to increase the volume, tap the icon to decrease the volume; This icon display the current volume value, and tap this icon to mute or unmute your unit.

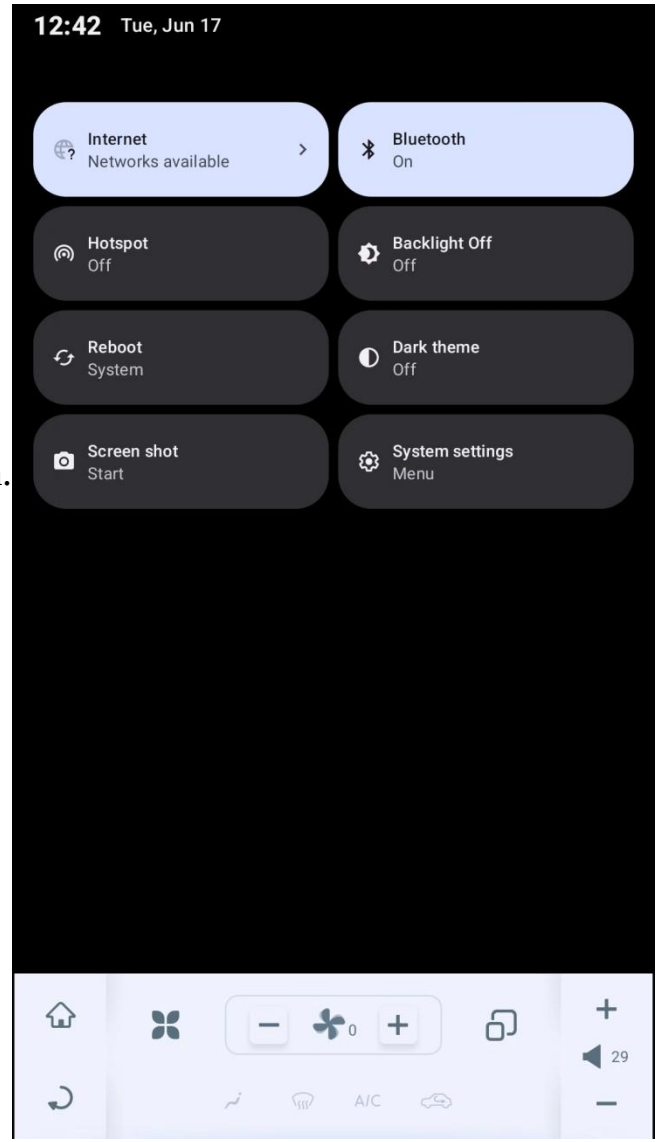
Whole air-conditioning Page

Attention: Please refer to the original car manual for the usage of air conditioning.

The air conditioning page here is for reference only, the actual page varies slightly with different car models and years, please refer to the actual installation effect.

1.6 Notification & Dropdown Menu

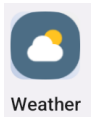
Swipe down from the top of the screen with one finger to open the notification & dropdown menu.



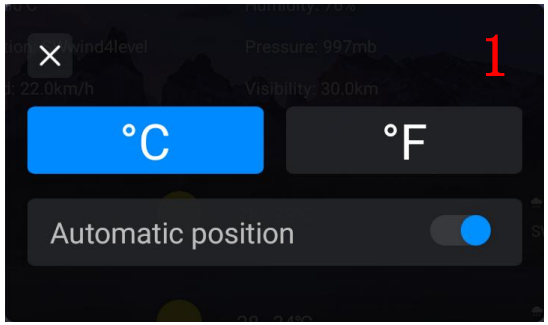
- Internet: Tap to open the system internet connection interface.
- Bluetooth: Tap to open/close the bluetooth. Long press to enter the system bluetooth connection menu.
- Hotspot: Tap to open/close the hotspot. Long press to enter the system hotspot connection menu.
- Backlight Off: Tap to close the backlight of screen. Tap anywhere again to wake up the screen.
- Reboot: Tap to reboot your unit at once.
- Dark theme: Tap to open/close the dark theme of the unit.
- Screen shot: Tap to capture the current screen and generate a PNG image.
- System settings:Tap to open the system settings.

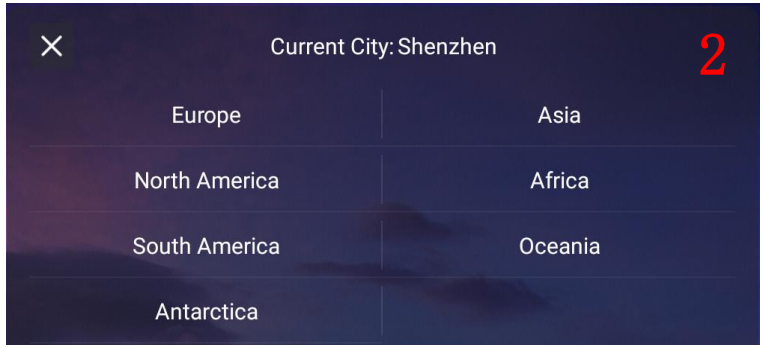
2 Introduction of Bulit-in Applications

2.1 Weather

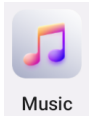


- Tap the icon to enter the weather application.
- To ensure accurate and real-time weather data updates, please check that the network is connected (via 4G or Wi-Fi), and also make sure the GPS signal is functioning properly.
- Tap the box marked “1” on the right image to enter the settings. In the settings, you can adjust the temperature unit (℃&℉) and choose to enable or disable automatic location.
- Tap the box marked “2” on the right image to enter the city selection page. On this page, you can choose your desired city manually.





2.2 Music

- Tap the icon  to enter the music application.
- Tap the icon to switch the playback interface to classic CD.
- There are single cycle, shuffle play, folder cycle and playlist cycle four playback modes for you to choose.

Single cycle: In this mode, the same song will be played repeatedly. If you do not actively switch to the next song or pause, the same music will keep playing repeatedly.

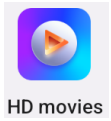
Shuffle play: In this mode, after the music being played, the system will automatically and randomly select a piece of music to play.

Folder cycle: In this mode, the system will automatically play all songs in the folder one by one in order.

Playlist cycle: In this mode, the unit will automatically play all songs in the playlist one by one in order.

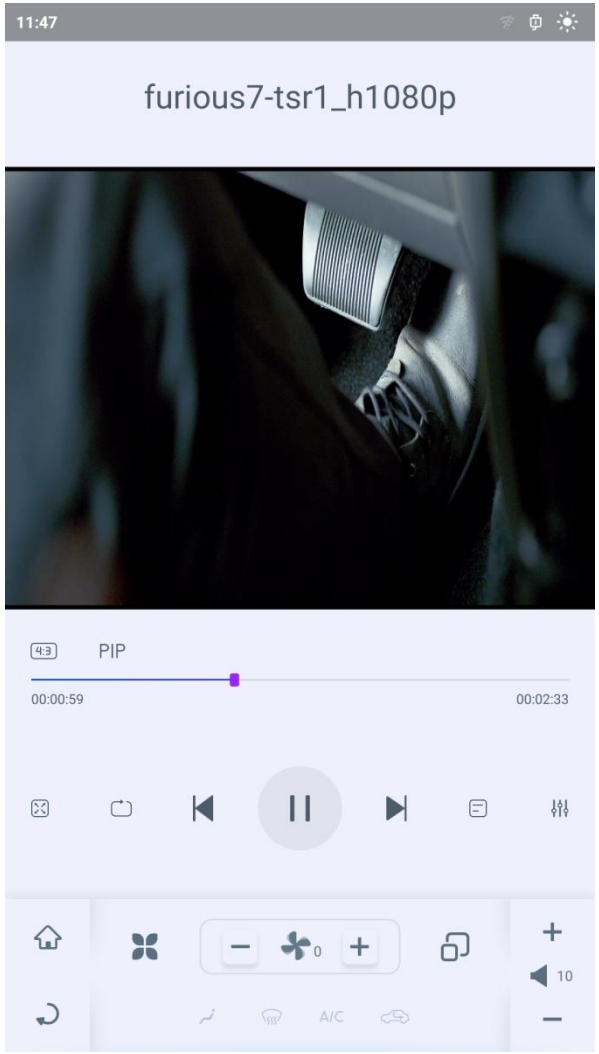
- Tap the icon to open the playlist and select the local music you want to play.
- Tap the icon to enter the DSP page. *The detailed introduction of this application is in the following document, which can be queried and read as your preference.*

2.3 Video

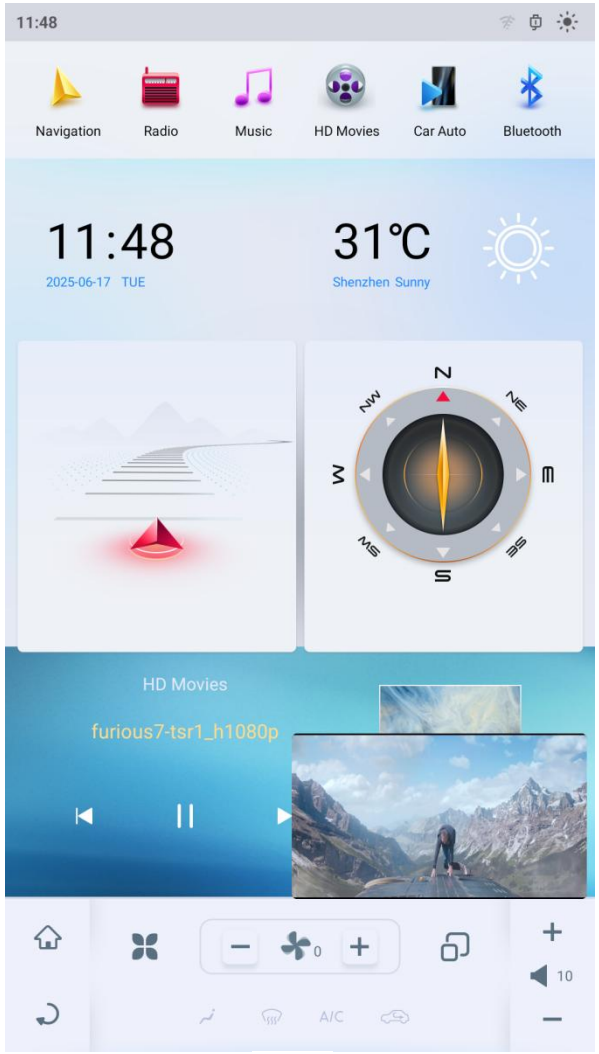
- Tap the icon 

to enter the video application.
- Tap the icon

to switch between different video aspect ratios. There are four options available: 16:9, 4:3, 1:1, and tiling. You can choose the most suitable ratio based on your video's content.
- Tap the icon PIP to return to the home page. The video will continue playing in picture-in-picture mode. You can drag the video window to any position or watch the video while using other apps simultaneously. (P2)
- Tap the icon to enter the full screen viewing mode.

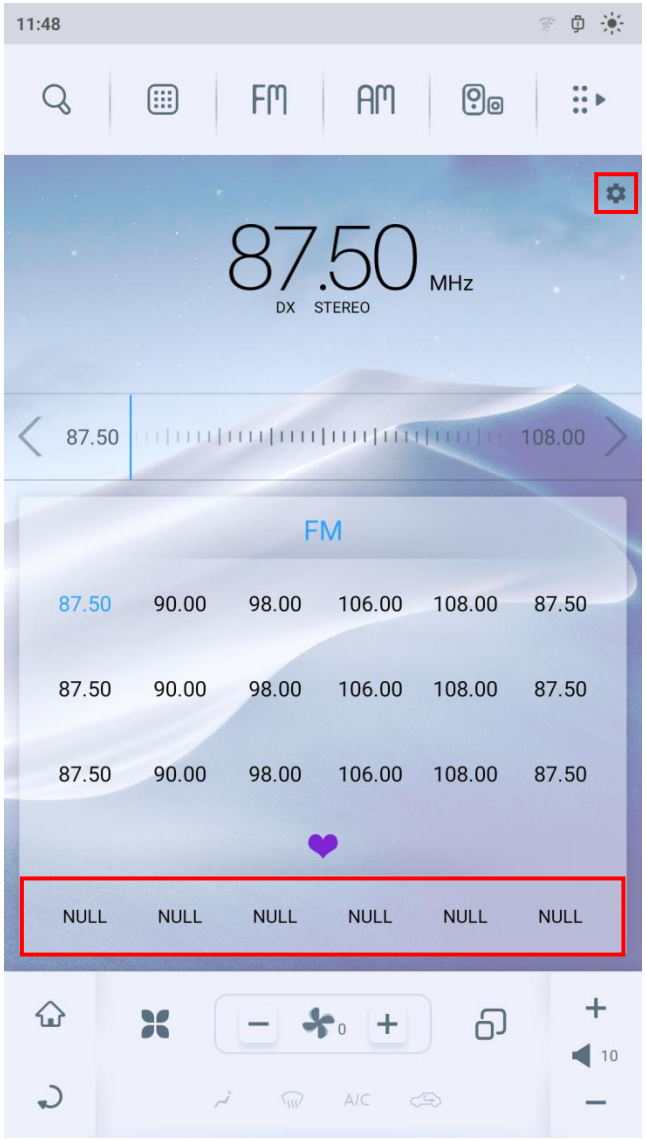


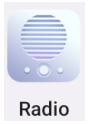
P1



P2

2.4 Radio



- Tap the icon 

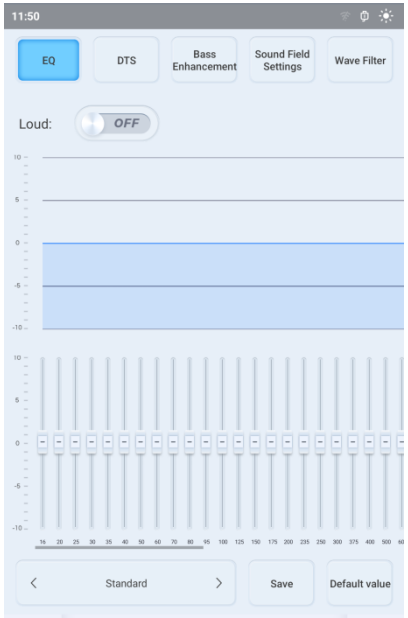
to enter the radio application.
- Tap the icon to automatically search for and save radio stations.
- Tap the icon to open the numeric keyboard, you can enter the desired channel here and the unit will jump directly to it.
- Tap these two icons to freely switch between FM and AM stations.
- Tap the icon to switch to STEREO or MONO.
- Tap the icon to switch to the next page of the menu. Tap the icon to toggle the radio sensitivity. DX corresponds to high sensitivity, LOCAL corresponds to low sensitivity.
- **Radio Favorites:** Select the channel you want to collect, and the color of the channel you selected will turn into blue

. Then press and hold the “NULL” , the channel you previously selected will replace ”null” and be saved.
- Tap the setting icon in the top right corner to enter the setting menu, where you can enable or disable the RDS function and adjust the radio region.

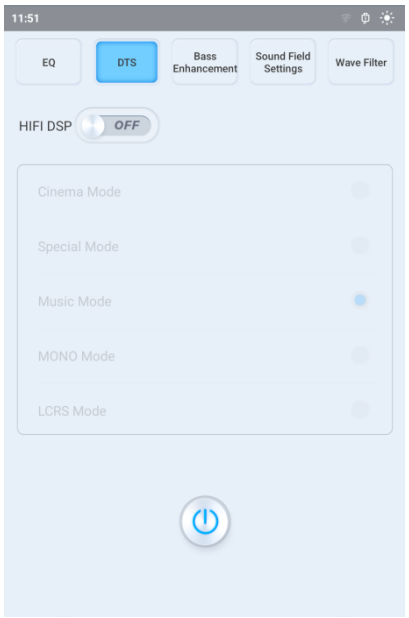
2.5 Digital Signal Processing (DSP)

- Tap the icon

to enter the DSP application

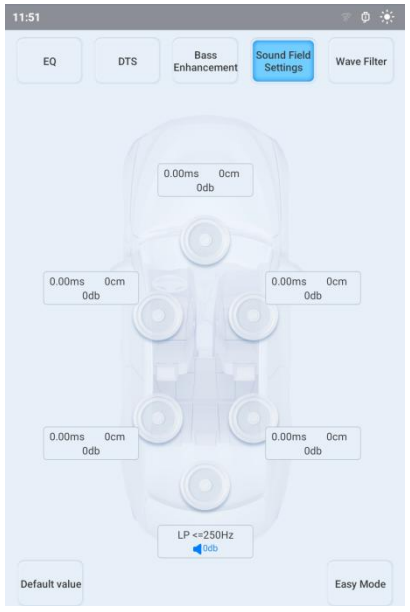


Equalizer: Support personalized 48-band EQ adjustment, you can also use the system preset effect.

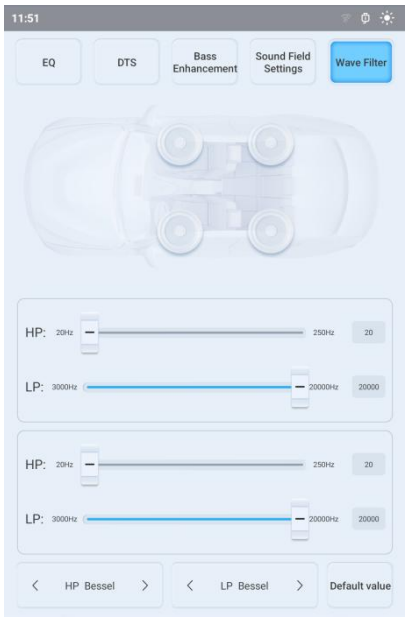


DTS: Includes various preset sound effects and modes to help you immerse yourself in the captivating experience of music.

Bass enhancement: You can enjoy natural and powerful bass by using special digital signal processing technology. You can also adjust the bass level yourself.

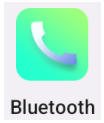


Sound Field Settings: You can manually adjust the sound delay and volume level of different speakers in the car to ensure that the sound from each speaker reaches you at the same time.



Wave Filter: You can adjust the treble, bass, and subwoofer effects on this page to achieve the listening experience that suits you best.

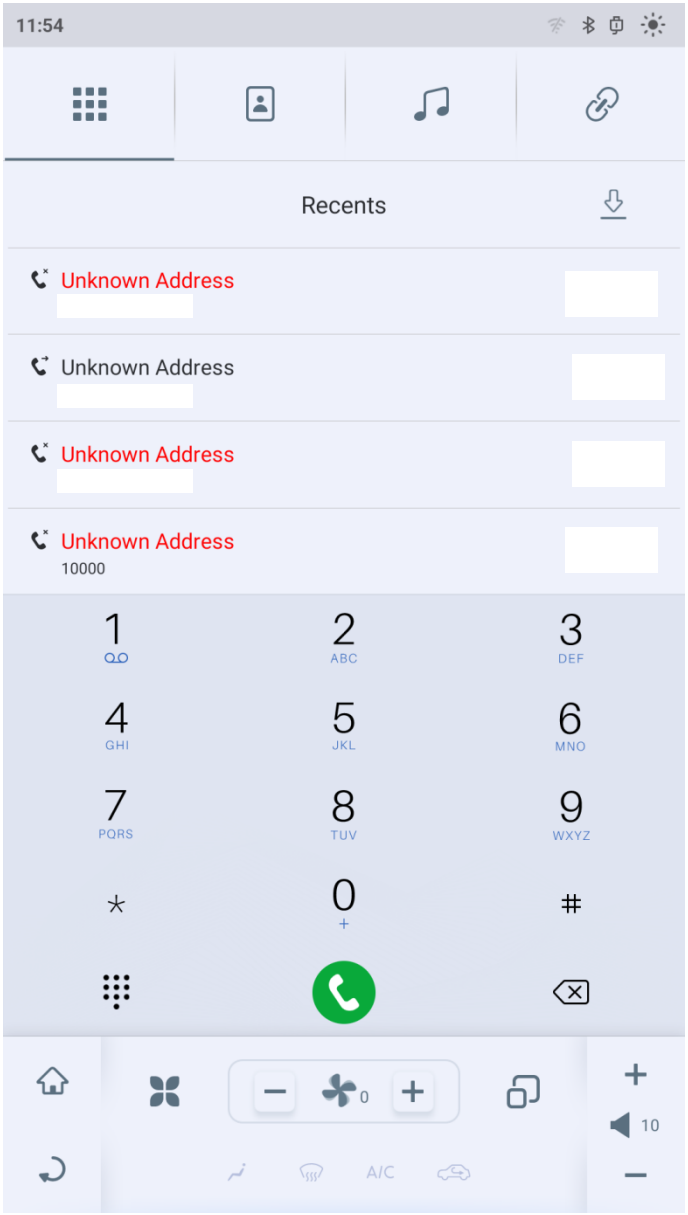
2.6 Bluetooth

- Tap the icon 

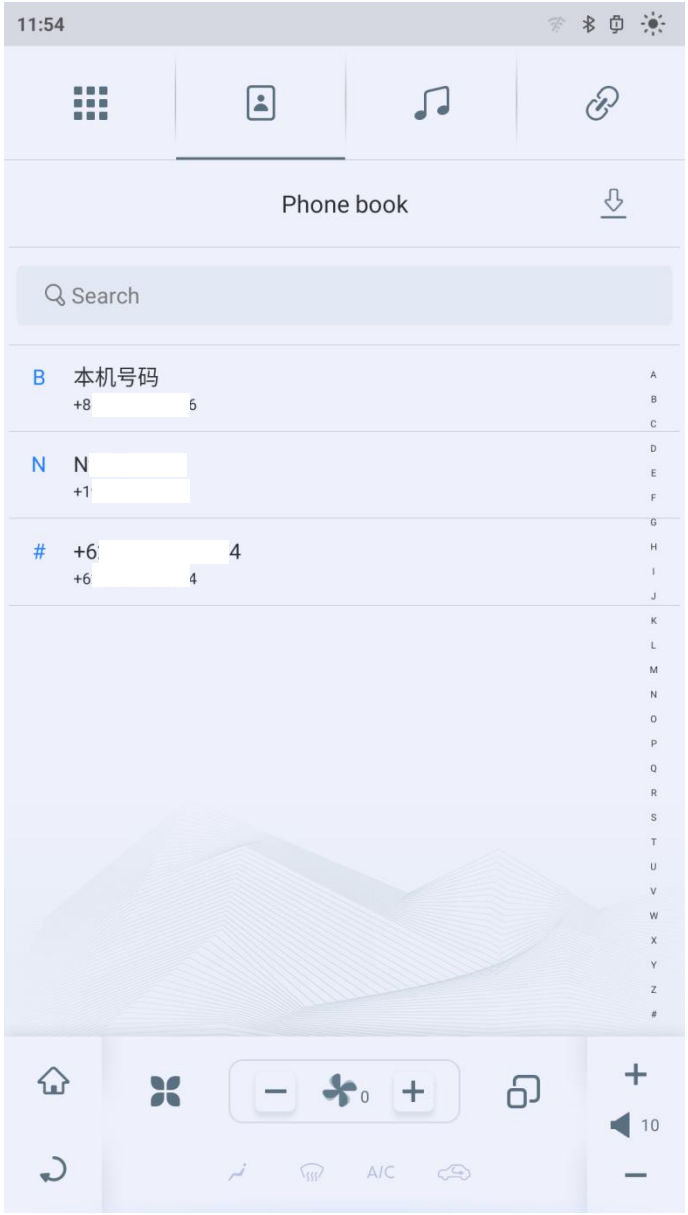
to enter the bluetooth application.
- Tap this icon to enter the Bluetooth connection interface (P5). On this page, you can view or modify the device name and PIN code. You can also tap the magnifying glass icon in the top right corner to search for nearby Bluetooth devices. The unit will list the detected devices below for you to choose from. Select the device you want to connect to and tap the “Connect” icon below — the unit will automatically pair and connect with your device. Tap the “Disconnect” button to terminate the connection with the selected device.
- After the Bluetooth connection is successfully established and authorized, tap this icon to enter the dial pad interface (P3). On this page, you can view recent call history. You can also use the dial pad to enter a number and make a phone call. Tap this icon to access the phonebook, where you can view the contacts saved on your phone and make corresponding modifications.(P4)
- Tap this icon to enter bluetooth music interface. You can perform basic controls for the Bluetooth music currently playing in this page. (For detailed icon descriptions, please refer to ***2.2 Music*** section.)
- *The Android 13 series unit you purchased comes with dual Bluetooth modules.*

Bluetooth 1 is used for connecting devices such as OBD, BLE mouse/keyboard, ambient lighting, Bluetooth speakers, etc.

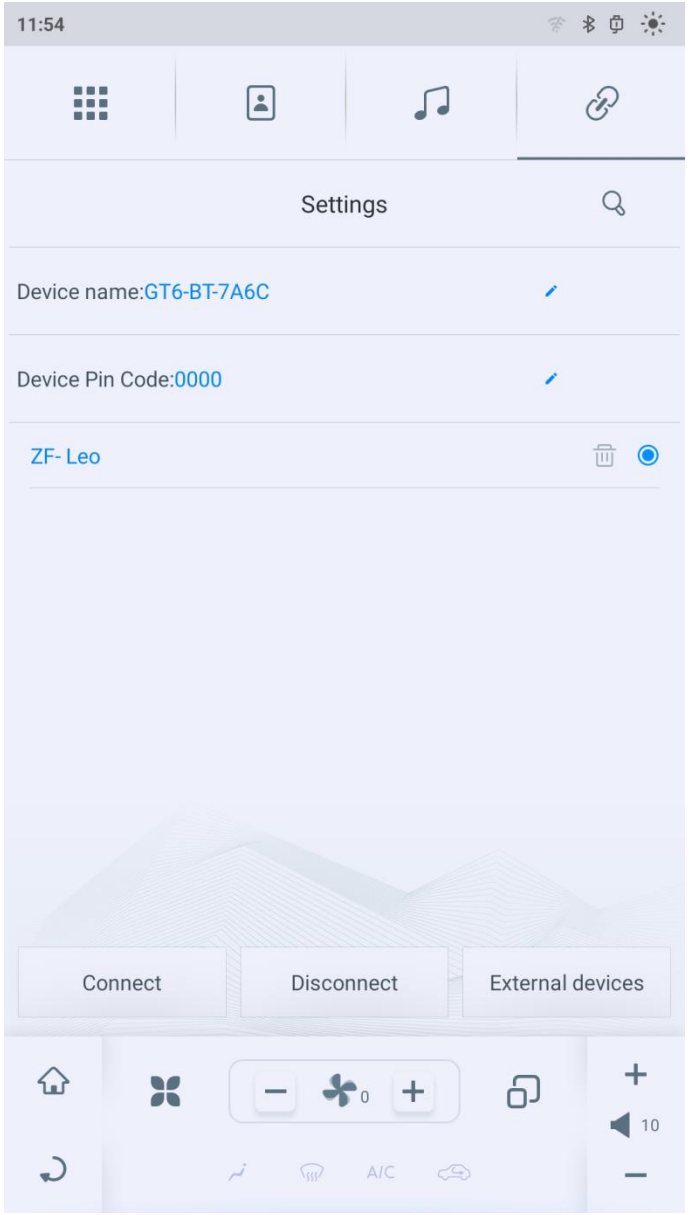
While Bluetooth 2 is used to connect your mobile phone, enabling functions like Bluetooth calls and CarPlay.


11:54
Recents
Unknown Address
Unknown Address
Unknown Address
Unknown Address
10000
1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
*
0 +
#
A/C
10

P3


11:54
Phone book
Search
B 本机号码
+8 5
N N
+1
+6 4
+6 4
A/C
10

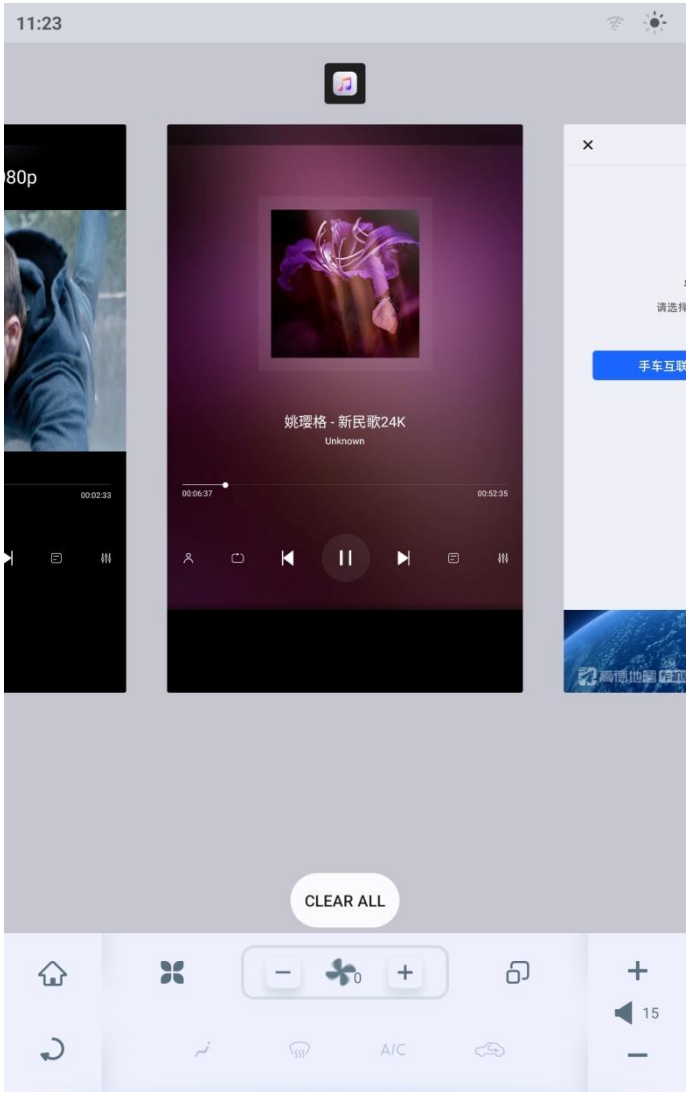
P4


11:54
Settings
Device name:GT6-BT-7A6C
Device Pin Code:0000
ZF- Leo
Connect
Disconnect
External devices
A/C
10

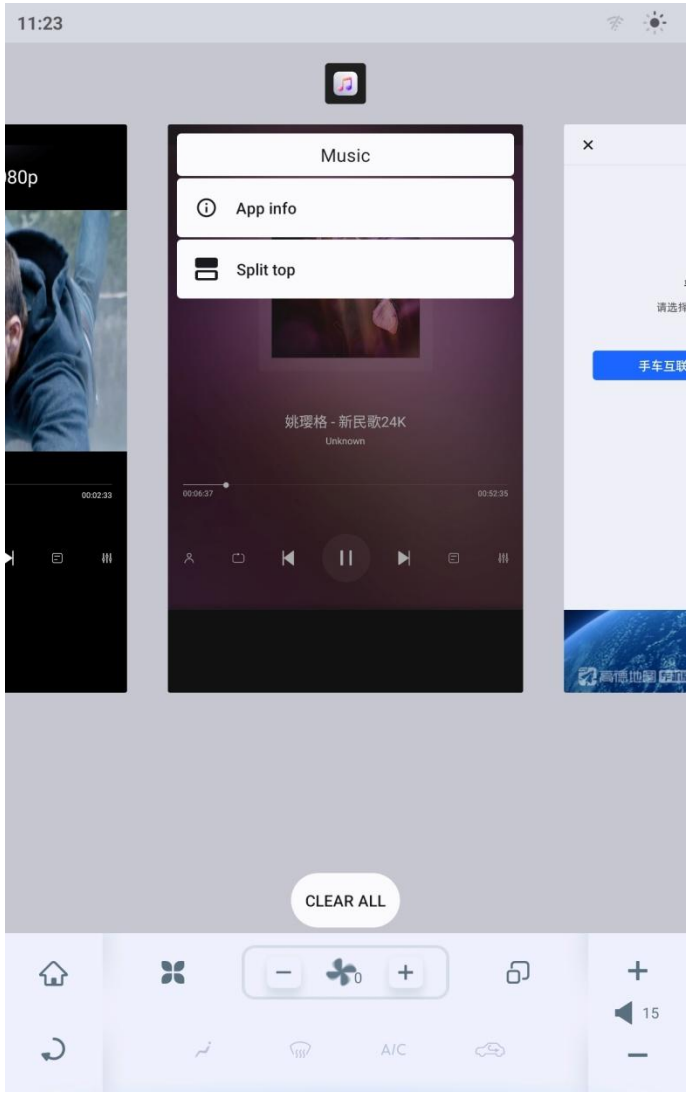
P5

3 Split Screen Function

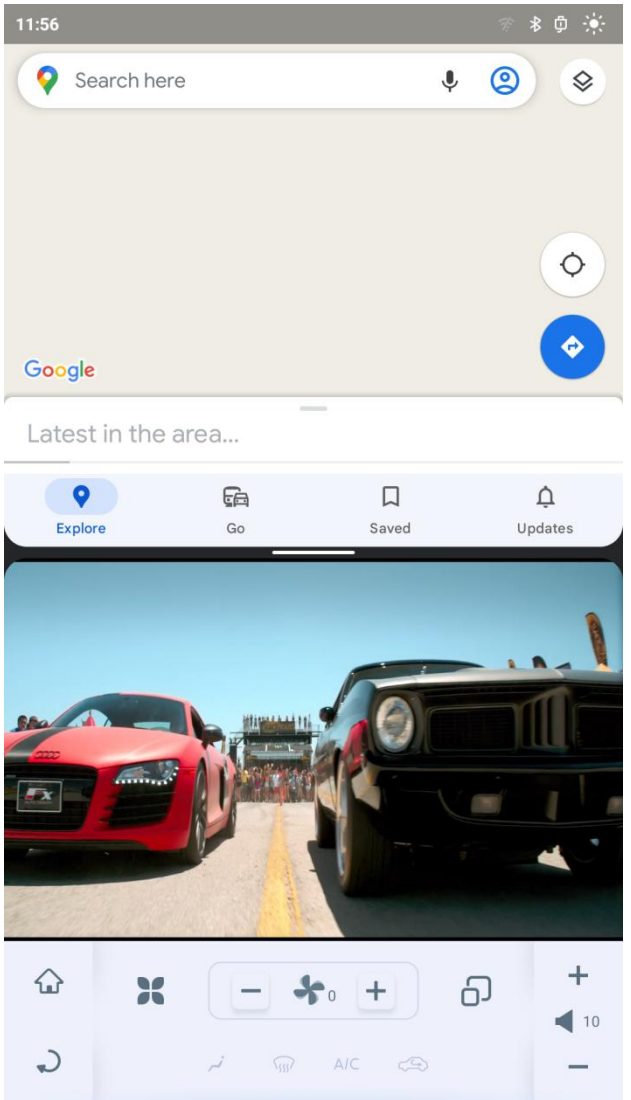
- Tap this icon to enter the app background interface. Here, you can view all currently running background apps. You can either clear an app by pressing and swiping its card upward, or switch to the app by tapping on its card. Alternatively, you can tap the "Clear All" button to close all background apps at once. (P6)
- In the app background interface, tap the icon of the desired app to open the app details and split-screen function. (P7) Tap the split-screen button, and your selected app will appear at the top of the screen. Then, tap another app, and both apps will be displayed simultaneously on the screen.(P8)
- Split screen function supports most built-in applications and third-party applications. For third-party applications, need to try it yourself to see whether it supports split screen function or not.


11:23
姚璎格 - 新民歌24K
Unknown
CLEAR ALL
A/C
15

P6


11:23
Music
App info
Split top
姚璎格 - 新民歌24K
Unknown
CLEAR ALL
A/C
15

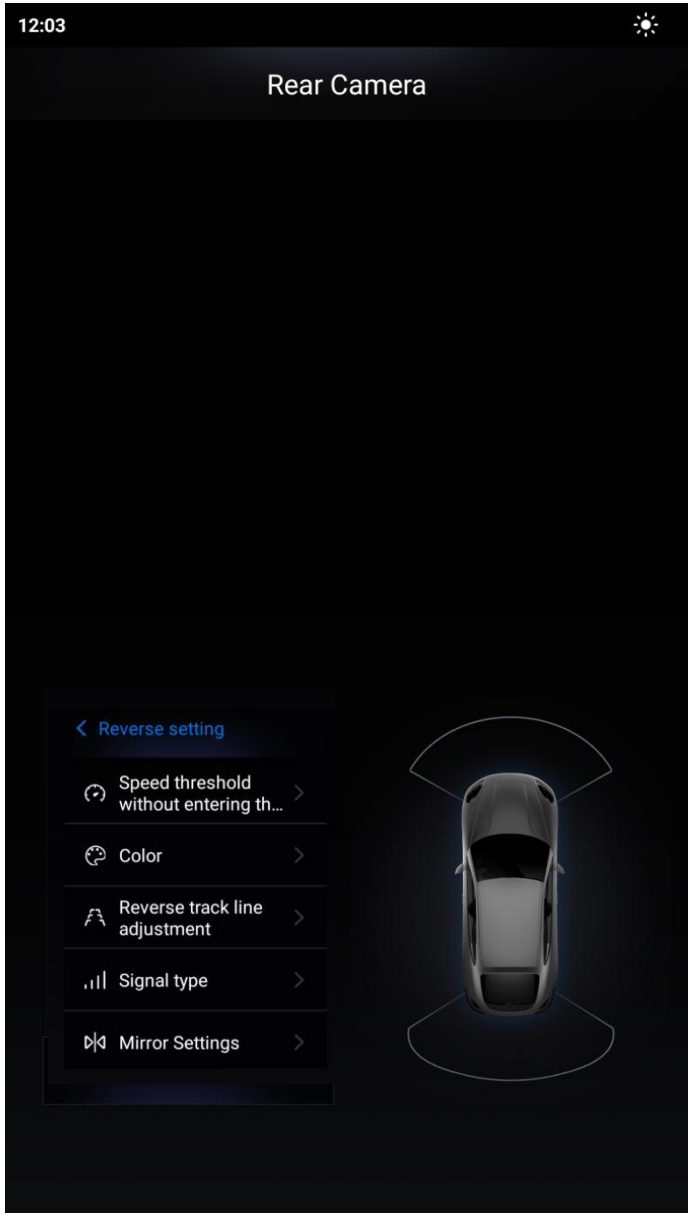
P7


11:56
Search here
Google
Latest in the area...
Explore
Go
Saved
Updates
A/C
10

P8

4 Reverse Assist System

4.1 Reversing camera



- When putting the vehicle into reverse gear, it will automatically enter the reverse interface. After finishing reversing, exit the reverse gear and the reverse assist system will also exit.

Reverse setting: You can configure the reverse-related settings here.

Speed threshold: Set the minimum speed without switching to car reversing interface;

Color: You can adjust the color settings of the reverse track line here.

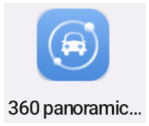
Reverse track line adjustment: You can adjust the tilt angle, length, and spacing of the reverse track line here.

Signal type: You can adjust the reverse signal type here to be compatible with different types of cameras.

Mirror Settings: You can use this setting to flip the reverse camera image horizontally (left-right).

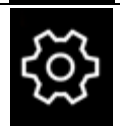
4.2 Bulit-in Aftermarket 360 Panoramic System

This section provides only a brief introduction to the 360 functionality. For detailed information, please consult our after-sales engineers.

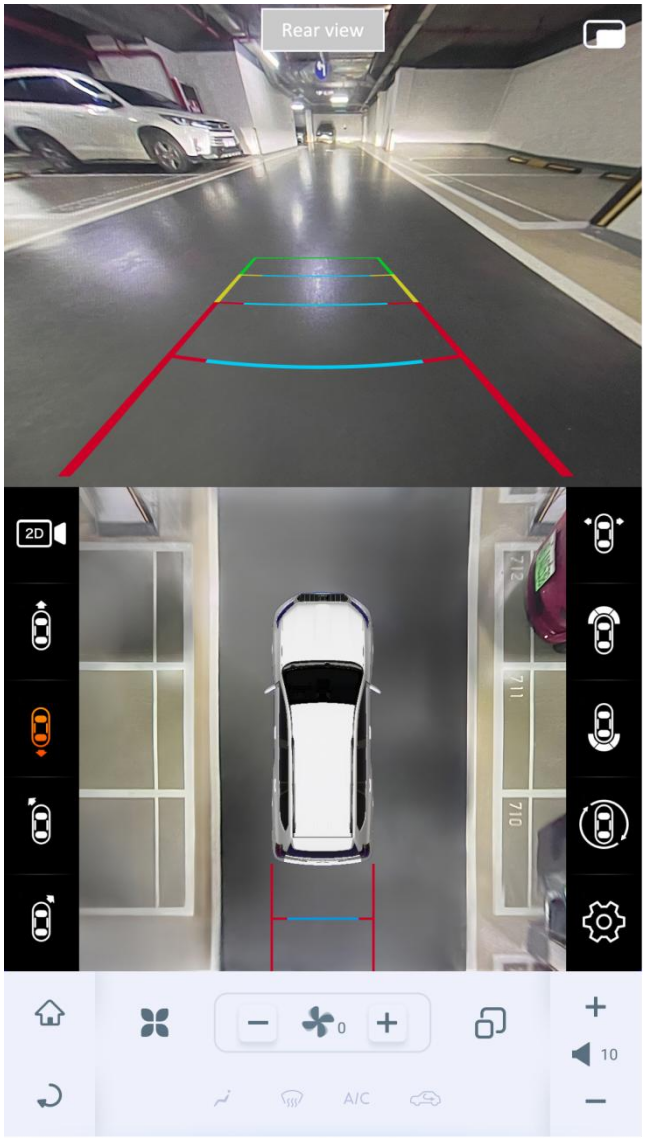
- Tap the icon 

to enter the built-in 360 application.

- Tap the icon to enter Picture-in-Picture mode. The 360 view will be displayed as a small window on the home screen and can be freely moved around.

	2D/3D view switch button		Left-right view
	Front view		Triple-screen front view
	Rear view		Triple-screen rear view
	Front-left view		Round view
	Front-right view		Setting

- Tap the icons listed in the table above, and the corresponding camera view will be displayed in the upper half of the screen.



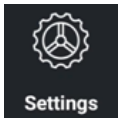
- Tap the icon to enter 360 setting page, you can:

1. Tap this icon

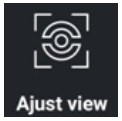
and use the submenu to set the vehicle model, size, color, and other related parameters.

2. Tap this icon

and use the submenu to calibrate the parameters of your 360 camera.

3. Tap this icon 

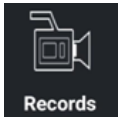
and use the submenu to adjust 360-related settings, as well as view the activation info of your 360 application.

4. Tap this icon 

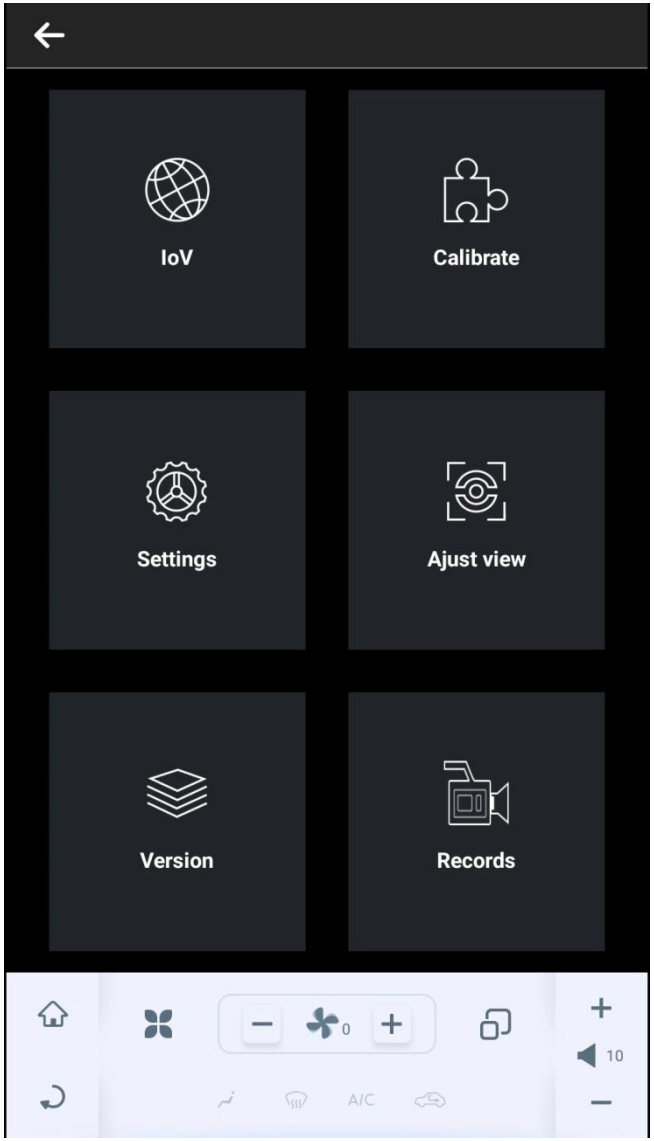
and use the submenu to adjust different viewing angles of the 360 cameras.

5. Tap this icon

to view the current version information of the 360 application.

6. Tap this icon 

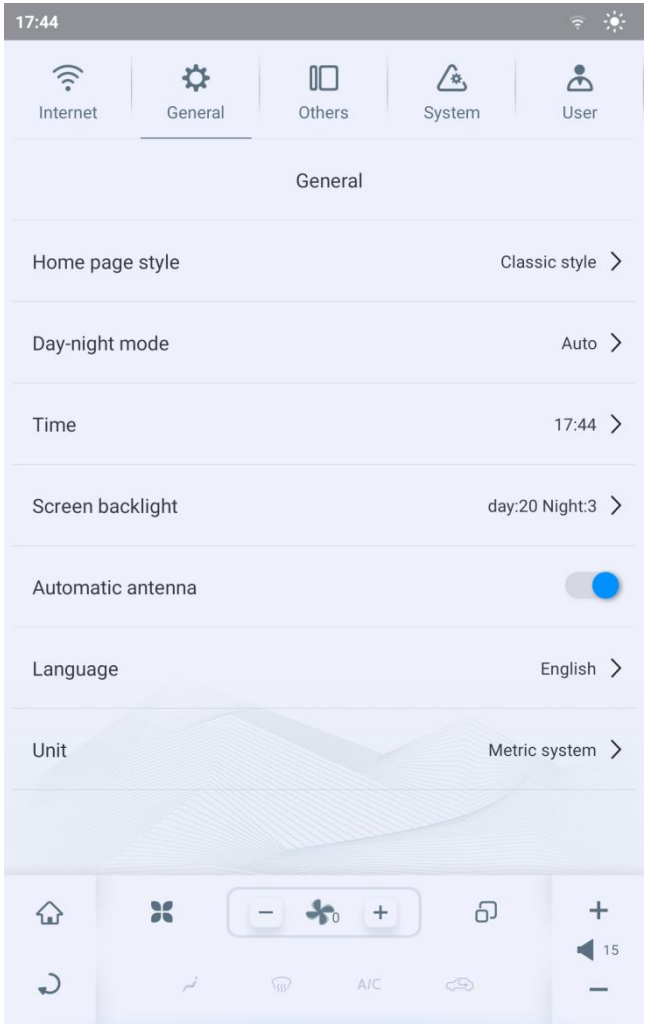
to configure the recording settings for the 360 camera.



5 Settings

All the following sample pictures are for reference only, the actual settings varies slightly due to different car models, please refer to the actual.

5.1 Internet



- In this section, you can configure network-related options such as WiFi, Bluetooth, hotspot, and SIM card. *Due to space limitations, details are not explained here.*

5.2 General

- **Home page style:** Tap this option to switch between "modern style" and "classic style".
- **Day-night mode:** It contains four options:

1. Auto: When selected, the system will automatically switch to Night Mode when the vehicle's headlights are turned on.

2. Day: The system will remain in Day Mode at all times.

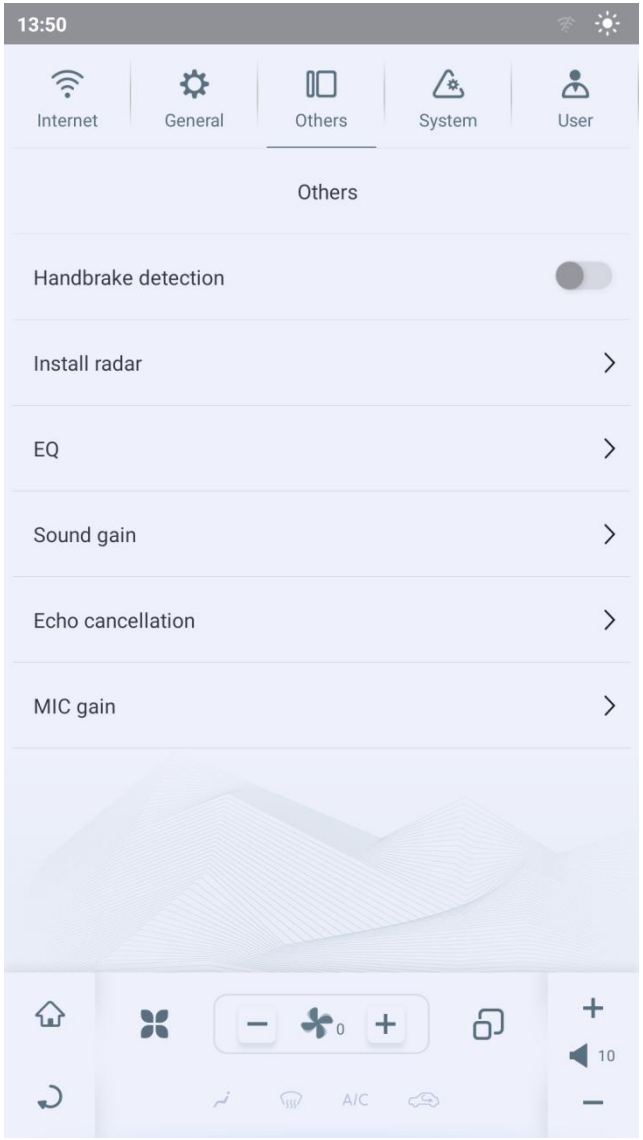
3. Night: The system will remain in Night Mode at all times.

4. According to time: The system will switch between day and night mode automatically based on the local sunrise and sunset times.

- **Time:** Here you can manually adjust the time and date, choose between 12-hour or 24-hour format, enable DST, or set the time zone.
- **Screen backlight:** Here you can adjust the brightness of the screen of both day and night mode.

- **Automatic antenna:** This is the amplifier control power switch option. For some models, this option needs to be enabled to supply power to the original amplifier. (For details, please consult our after-sales engineers.)
- **Language:** There are multiple languages available for you to choose from.
- **Unit:** Here you can set “Metric”or “US” units as your preference.

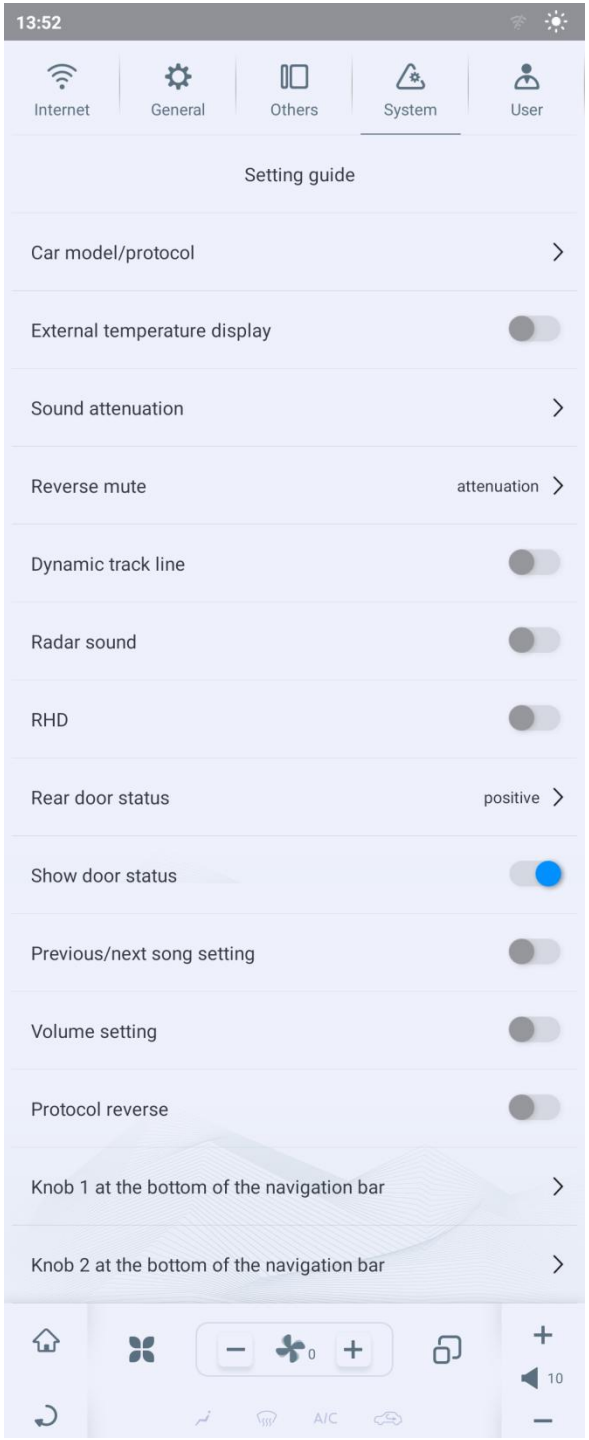
5.3 Others



- **Handbrake detection:** Enable this option to disable video playback while driving. For your safety, we recommend keeping this option turned on.
- **Install radar:** There are some aftermarket radar settings inside this option.
- **EQ:** Please refer to *2.5 DSP* for details.
- **Sound gain:** You can adjust the volume gain for specific media types in this option.
- **Echo cancellation:** Within this option, you can adjust the relevant parameters to reduce the echo heard during Bluetooth or CarPlay calls.
- **MIC gain:** In this option, you can adjust the microphone gain to enhance your voice input during calls.

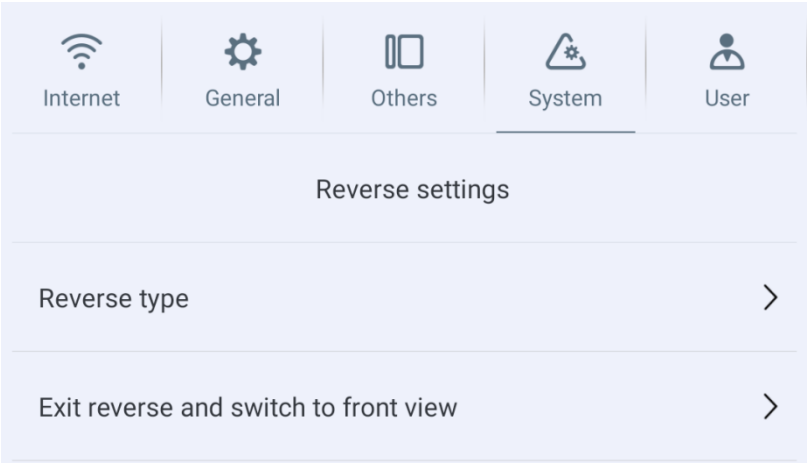
5.4 System

5.4.1 Setting guide



- **Car model/protocol:** Under the guidance of our after-sales engineers, you can adjust the vehicle model and CANBUS provider selection in this option.
- **External temperature display:** This is the outside temperature display switch — only available in certain vehicle models.
- **Sound attenuation:** Enabling this option will reduce the overall system volume. You may activate it if you feel the sound is too loud or distorted.
- **Reverse mute:** This is the reversing mute switch. When enabled, the system will reduce or mute other app sounds while reversing.
- **Rear door status:** Turn on this option to swap the left and right rear car door display.
- **Previous/next song setting:** Enable this option to fix the issue of reversed up/down track control for steering wheel buttons.
- **Volume setting:** Enable this option to fix reversed volume up/down control for steering wheel buttons.
- **Knob 1/2 at the bottom of the navigation bar:** Some models may have a bottom knob — this option allows you to customize the knob function.

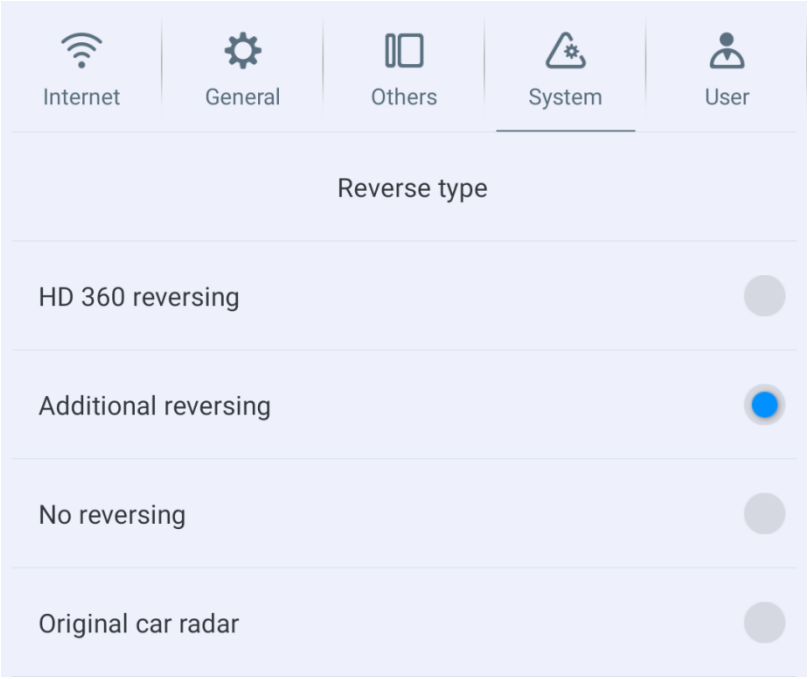
5.4.2 Reverse settings



- **Reverse type:** In this option, you can set the reverse signal type to match different installation requirements:

1. HD 360 reversing: This is the HD aftermarket 360 camera option.For a detailed explanation of this feature, please refer to section 4.2.

2. Additional reversing: This is the aftermarket reverse camera option. If you are using an aftermarket reverse camera, please select this option. For easier classification, both OEM reverse camera and OEM 360 system have been merged under this same option. So if you are willing to uses the OEM reverse camera or OEM 360, please also select this option.



3.No reversing & Original car radar: These two options should only be selected under the guidance of our after-sales engineer.

- **Exit reverse and switch to front view:** This is a reserved feature for certain vehicle models. Please select it only under the guidance of our after-sales engineer.

5.4.3 GPS

In this option, you can view the number of currently available GPS satellites, as well as the current GPS signal strength, your location's latitude and longitude, altitude, and speed.

5.4.4 Software version

Here, you can view key system information such as the software version, MCU version, and CANBUS version. *When our after-sales engineer requests the software version, please provide this entire page to us.*

5.4.5 Upgrades

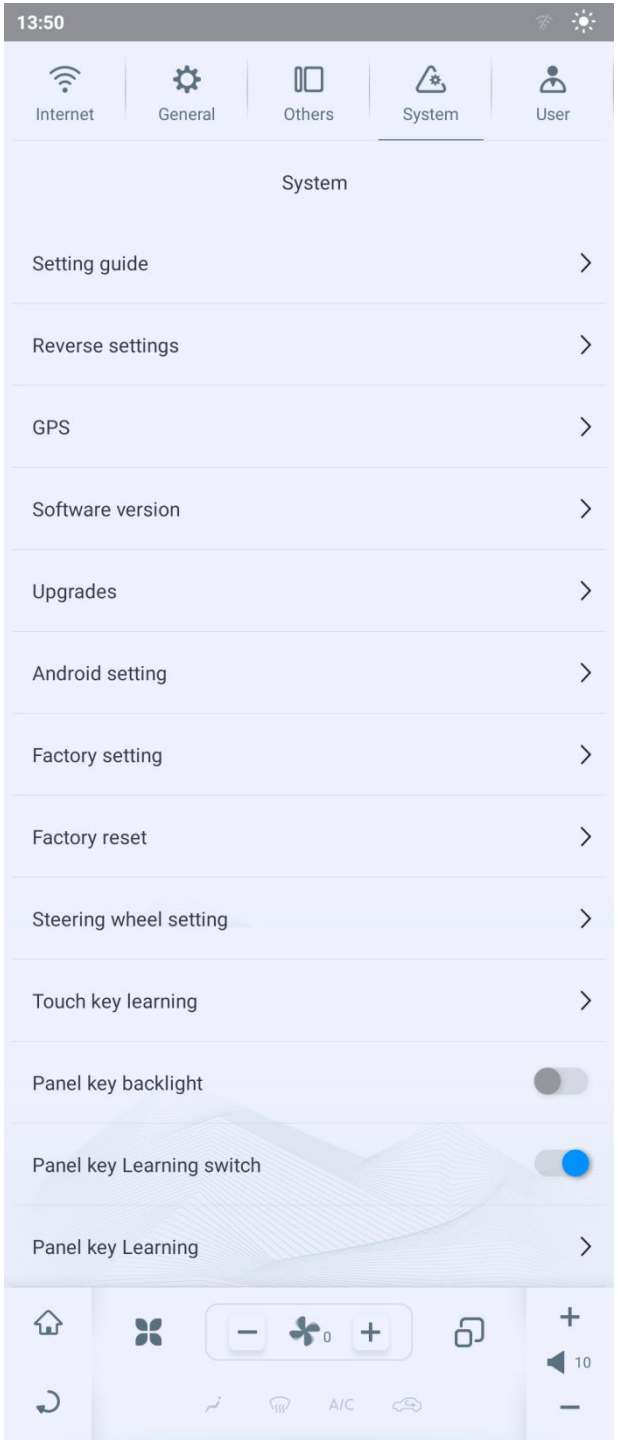
You can perform software CANBUS update here under the engineer's instruction. *Please use the software provided by our company. Do not use third-party software for upgrades, as this may cause damage to your unit.*

5.4.6 Factory setting

This page contains critical parameters. Incorrect settings may cause the device to malfunction. Therefore, please adjust these settings only under the guidance of our after-sales engineers.

5.4.7 Factory reset

Clear all data and restore the device to factory settings. However, please note that all parameters will be erased, and some functions may require reconfiguration at the factory to work correctly.



5.4.8 Steering wheel setting

You can manually program the functions of the steering wheel buttons in this page. However, please note that only certain vehicle models support this feature. For details, please consult our after-sales engineers.

5.4.9 Touch key learning

Some models come with touch buttons on the panel. If your unit is one of them, you can customize the touch button functions here.

5.4.10 Panel key learning switch

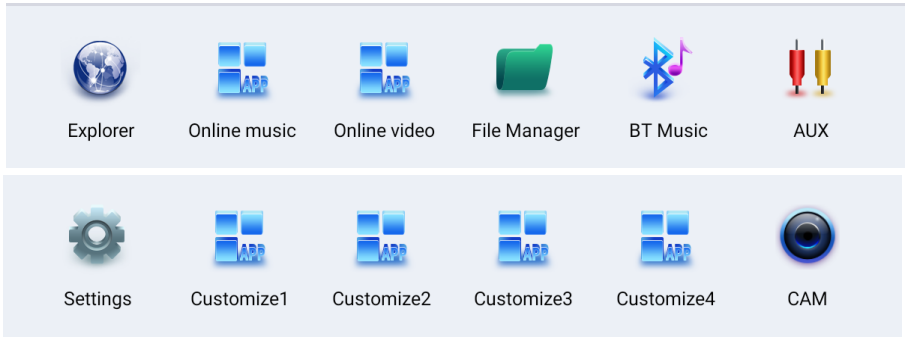
Enable this option to enter the panel button learning mode.

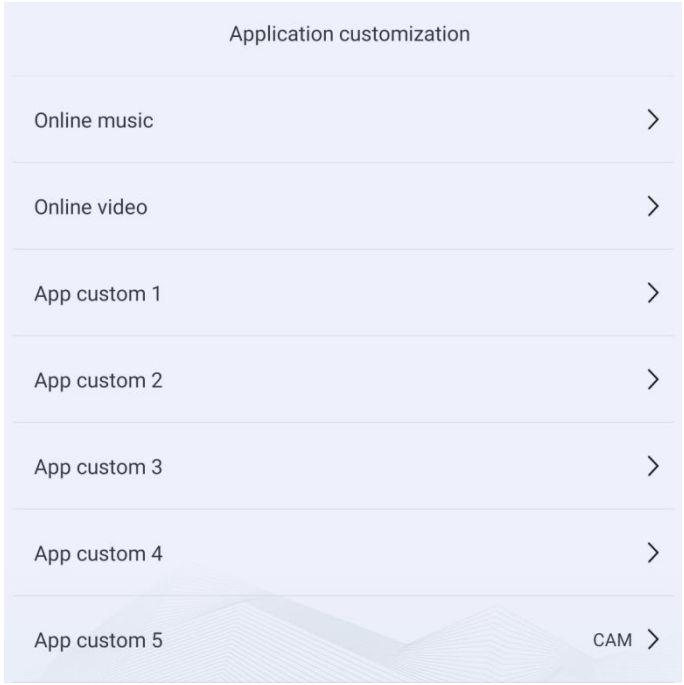
- **Panel key learning:** Some models come with physical panel buttons. If your unit is one of them, you can customize the panel button functions here.

5.5 User

5.5.1 Application customization

You can customize the home page apps in this page (Classic style only), as shown in the image below.





5.5.2 Navigation customization

In this page, you can set the default navigation app for the system.

5.5.3 Boot screen & Boot animation

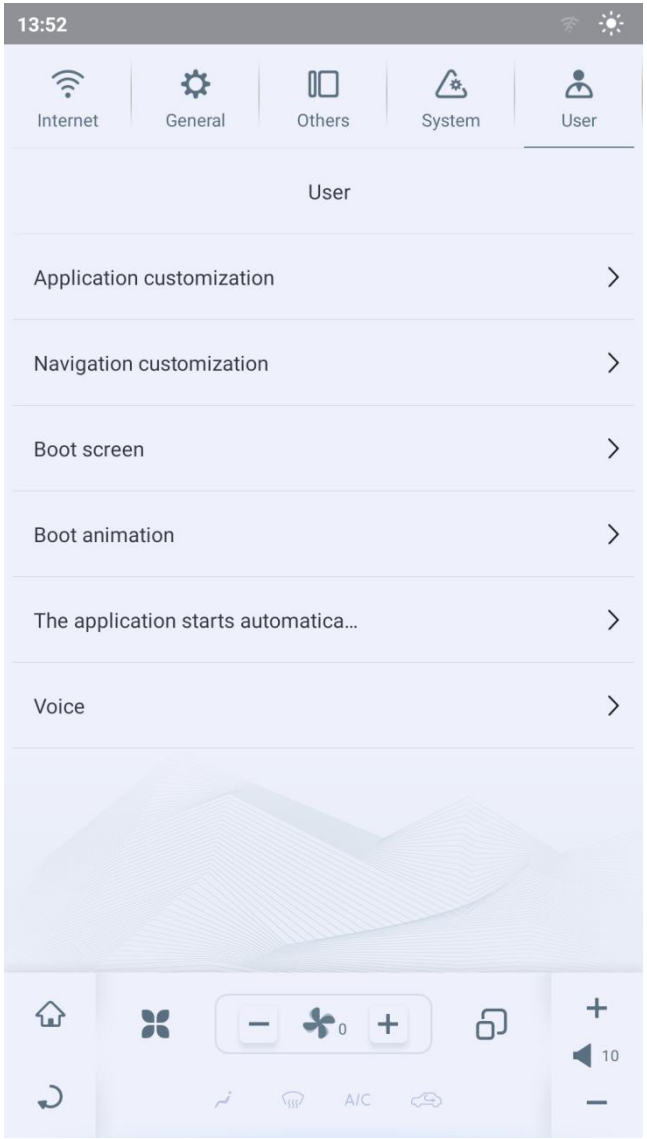
You can customize the boot logo or startup animation here. *Please note that this may involve legal issues, and our company holds no responsibility for the content you set.*

5.5.4 The application starts automatically

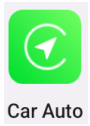
You can set an app to automatically launch at startup. Once your unit cold boots, the selected application will open automatically.

5.5.5 Voice

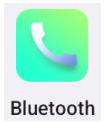
You can set your preferred voice assistant app to be used by default here.



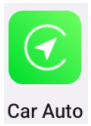
6 Car Auto

- Tap the icon 

to enter car auto application.
- Connection step:

1. Tap 

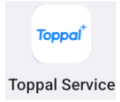
bluetooth application to connect your iPhone with our unit via bluetooth.

2. Once the Bluetooth connection is successful, return to 

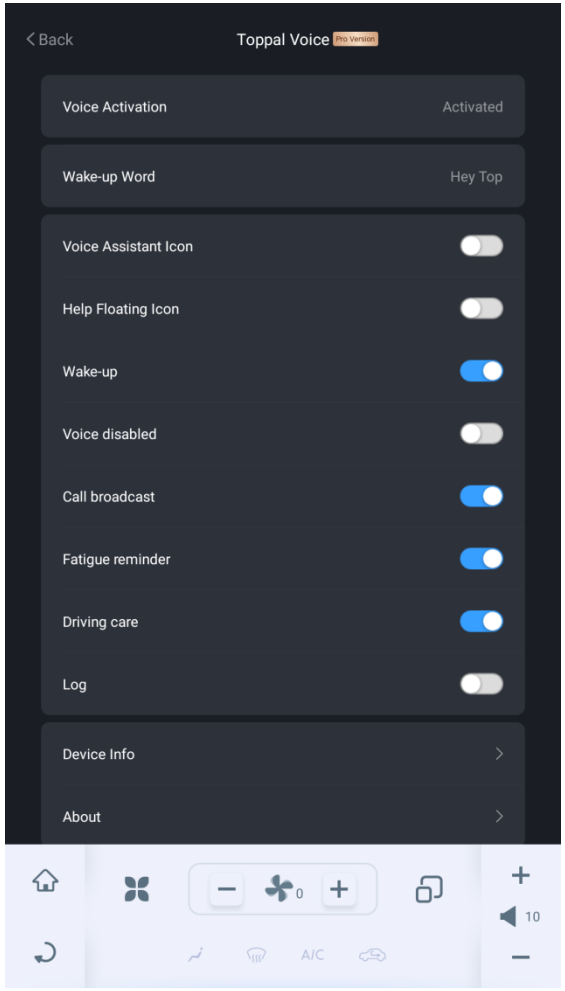
this application page. The system will automatically connect to CarAuto.

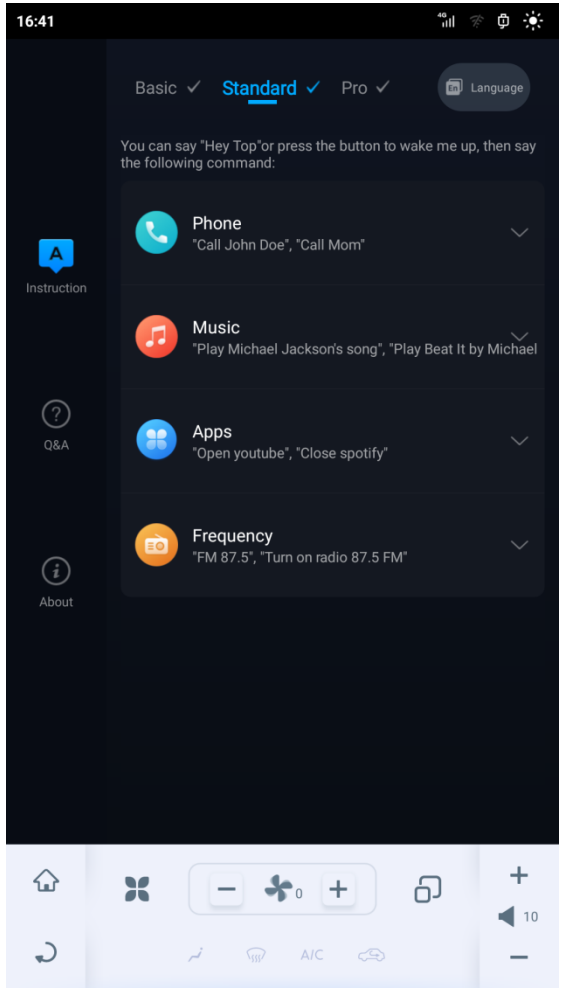
- Tap the icon to enter the setting page. Here you can adjust the left/right-hand drive options to match the driver's position, and also check the version information of the Car Auto application.

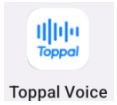
7 Toppal voice

- Our unit supports voice control, tap the icon 

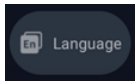
in the menu to open the Toppal Service. You can speak the wake-up words “hey, top” before speaking voice commands. By wake-up free, you can give some basic commands like“play music”. And you can also make some basic settings for Toppal Voice in this application.





- Tap the icon 

in menu to open the Toppal Voice. On this page, you can view all voice commands and obtain some product information of Toppal Voice.

- Tap this icon 

to switch into other languages. The default voice language is English. If you wish to use another language, please connect to the internet first, then download the desired voice language data pack online.