



Different • Better • Trested

Portable Wireless Display Monitorn

System Operation Manual

10.25 • Inch



Catalogue

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1.Product Overview

Seamless Connectivity & Playback:

The Q30 ensures you're always connected and entertained. Stream effortlessly via dual-band Wi-Fi (CarPlay, Android Auto, YouTube, Spotify, Netflix, TikTok), play files directly from an SD card, or choose your audio path: Bluetooth for independent streaming or the classic AUX interface for a reliable wired connection.

Dual-Camera Monitoring System:

Rear-View Camera: A wide-angle lens provides a live feed of the area behind the vehicle for safer reversing.

Multi-Position Front Camera: This camera can be elevated and swiveled a full 180 degrees to the left.

Forward-Facing Mode: Records the road conditions ahead.

Rearward-Facing Mode: Monitors the vehicle's interior cabin.

2.Product Composition List

Name	Graphic	Instructions	Numbe
The host		10.25-inch HD display (1920x720) / touch control / Bluetooth 5.0/ dual WIFI / audio output / powered by Type C interface.	1
The power cord		Integrated Type-C Power and AUX Cable / 12-24V / 3A current / cigarette lighter power supply.	1
Pull back camera		AHD FHD (1080P)/4PIN BMW camera	1
Pull the headphone extension cord back		Pull back headphone cable / 6m / 2.5mm headphone +4PIN BMW head/double shield/with reverse cable	1
SD card (optional)		Class10, minimum support 32GB, maximum support 128GB	1
GPS Receiver		External GPS Receiver for accurate GPS logging, speed, and timestamping on video recordings.	1
AUX Cable		1.5M Cable,3.5MM Port	1

3.Product Parameters

Project	Function	Performance indicators
Network	Dual WiFi	Capable of connecting to WiFi, enabling internet connectivity
		Supports wireless connection to Apple Carplay, Android Auto
Screen Mirroring	Bluetooth and wireless networks	Zlink screen mirroring requires both devices to be on the same local network. This connection can be established through a shared Wi-Fi network or a direct phone hotspot.
Input methods	Input methods	Google Input, other inputs.
Advanced System Configuration	Default Operating Language	English. Additional languages are available in the settings.
	Operating interface	Navigate using an on-screen graphical menu.
	Interaction Mode	Touch
	Version Upgrade	Update the system via TF Card or Over-The-Air (OTA).
	Factory Reset	Restores all system settings to their original default state.
	Install Apps	Download and install applications directly from the built-in app store.
Bluetooth	Bluetooth Transfer	The host device streams audio to the car stereo.
Camera	Reverse Display	Automatically switches to the reverse camera view when the vehicle is in reverse gear.
	Dual-Channel Recording	Swipe left or right twice in camera mode to activate the 50/50 split-screen view showing both front and rear cameras.
	Camera Mirroring	Reverse camera mirroring inversion in left-right directions to fit various installation methods.
Quick Actions	Network	Half/Full Screen Mode, Home Screen, Volume Down, Return/Back, Split, Brightness Adjustment, Overview, Volume Up.

4.Wiring Instructions

Serial number	Interface	Illustrate
1	Type C interface	The Type-C cable integrates a pass-through AUX port, enabling simultaneous charging and analog audio connectivity.
1	Cigarette lighter	Cigarette lighter takes electricity directly; Note: Please use our charger, otherwise it is easy to damage the machine or cause other injuries due to insufficient voltage and heat, and the frequency modulation transmission function will not work properly.



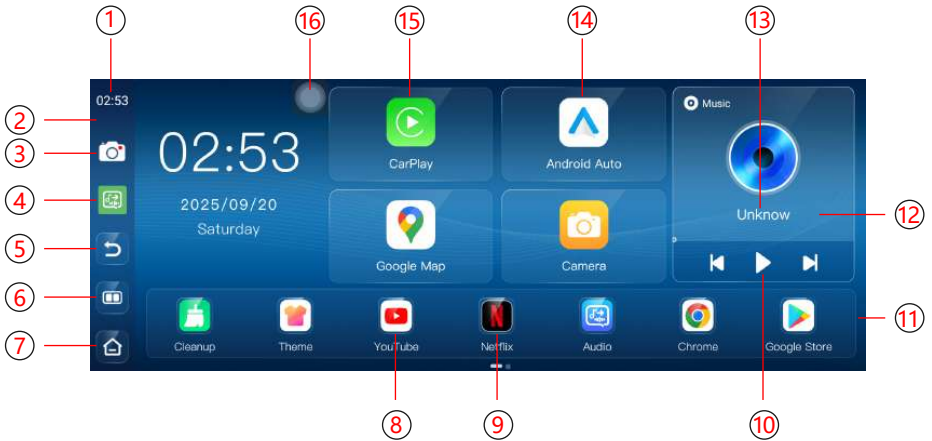
5.Installation of reverse camera (optional)

Find a suitable installation location near the license plate, mark it with a pen, and drill screw holes of appropriate size. Secure the camera to the rear of the car with screws, and finally connect it to the monitor with an extended camera cable.

The GPS antenna should be mounted on a clean, flat surface inside the vehicle. A recommended location is the upper door frame near the B-pillar.



6.Interface specification



1: Time and Date

2: WiFi/ Bluetooth and other status icons

3: Camera mode

4: Recently opened applications 1

5: Return button

6: Half screen mode button

7: Home button

8: YouTube button

9: Netflix button

10: Audio player button

11: Application list (slide to flip pages)

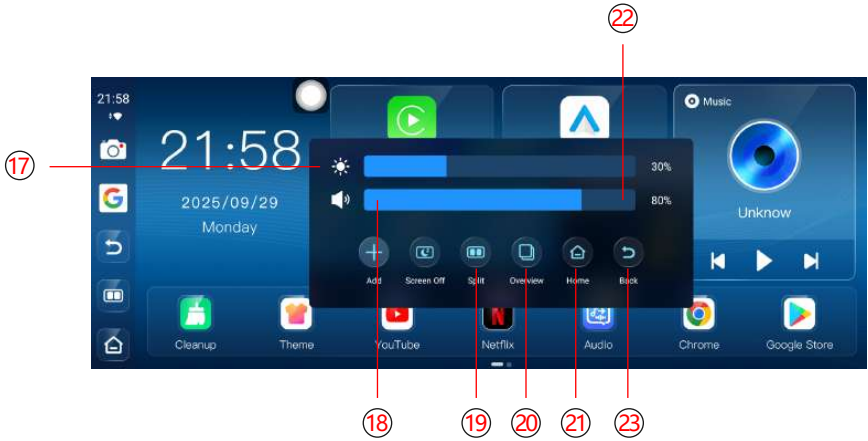
12: Song writer

13: Song name

14: Android Auto button

15: Carplay button

16: Shortcut menu (small white dot) auxiliary button



17: Return buttonBrightness adjustment button

18: Volume reduction button

19: Half screen mode button/Full screen mode button
(The detailed introduction is as follows)

20: Recent Task Button (The detailed introduction is as follows)

21: Home button

22: Volume Enhancement Button

23: Return button

6.1 Half Screen mode

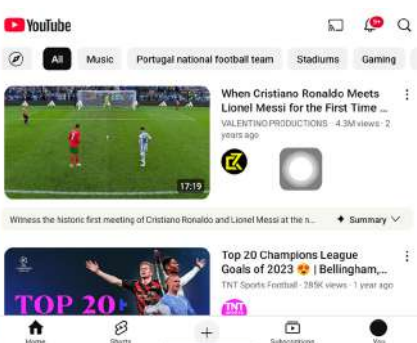
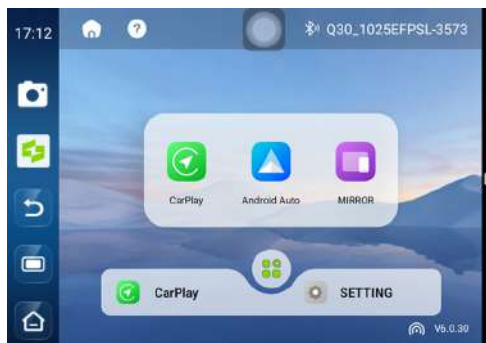
Half screen mode allows users to run multiple applications simultaneously on the same screen, thereby avoiding the time waste caused by frequent switching of applications. This parallel processing approach enables users to complete multiple tasks more quickly.

Click the 'Half Screen' button  to enter half screen mode.

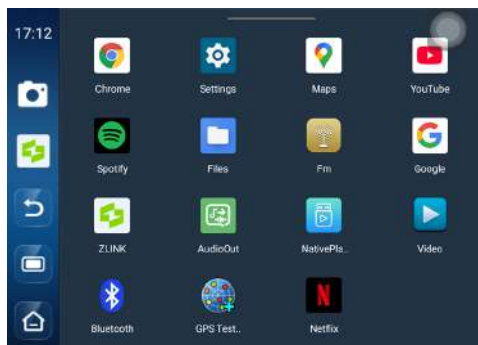


In split-screen mode, the display is divided into two distinct sections. The left panel serves as a fixed viewing area and cannot be modified. The right panel functions as an interactive space where you can access and control various supported applications—including video players, music services, and settings—using navigation controls such as the "Back" button.

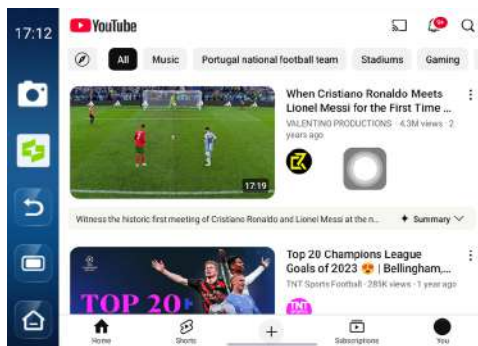
To switch applications between the panels, swipe up from both the bottom-left and bottom-right corners of the screen simultaneously. This will bring up the app selection menu. The left side of this menu shows apps that are not currently visible on either panel, while the right side lists apps that were previously open on the left panel. Make your selections to update the display accordingly. Note: This split-screen switching feature is only available for applications that support split-screen display.



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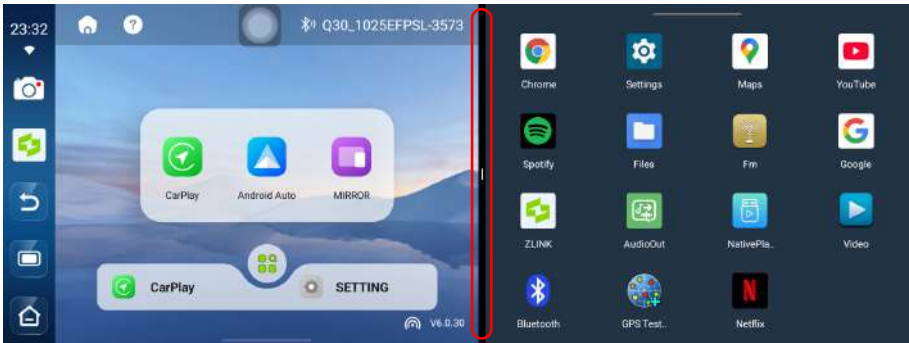


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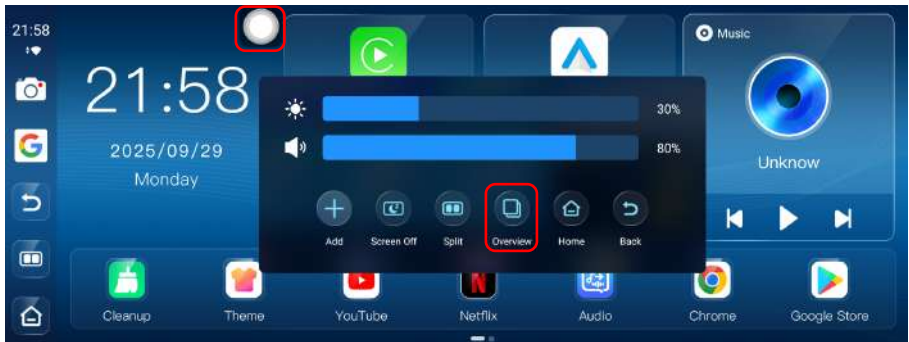
Click on the  'Auxiliary button' and select the  'Full screen button' to exit half screen mode.



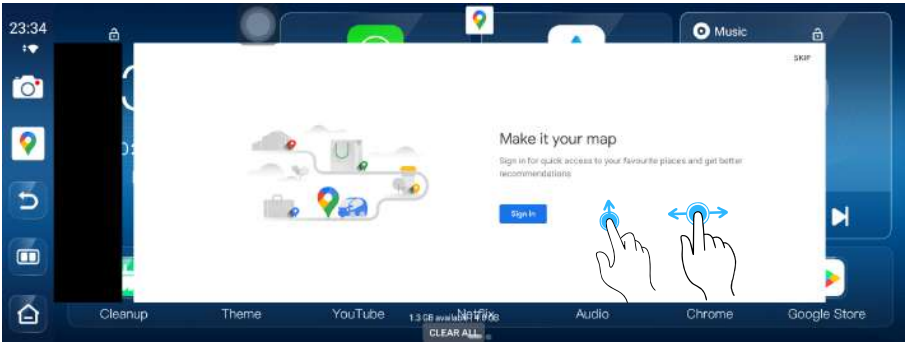
Slide the middle boundary line left and right to the bottom, or exit half screen mode.

6.2 Recent Task Button

When the application runs incorrectly, you can open the auxiliary button  and click  the 'Recent Tasks' button.

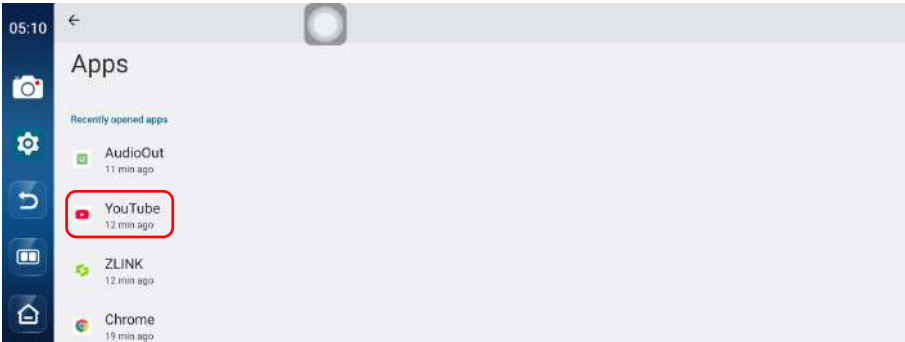


Swipe left or right to select recent apps, swipe up to close apps, click the close button to close all recent apps with just one click, and then restart the app.

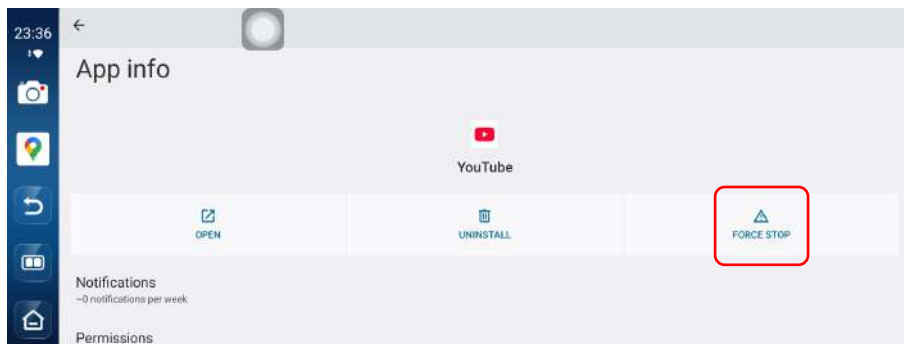


When the application is not running properly, you can also long press the application icon to enter the application information interface. (Taking YouTube as an example below).

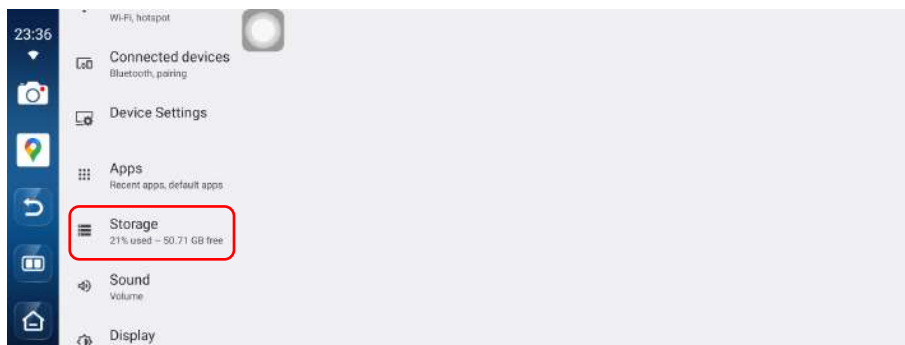
1.From the main Settings menu, navigate to Apps and select the YouTube application to access its information.



2. After clicking on the 'Force Stop' icon, open YouTube again to check if it is running properly.

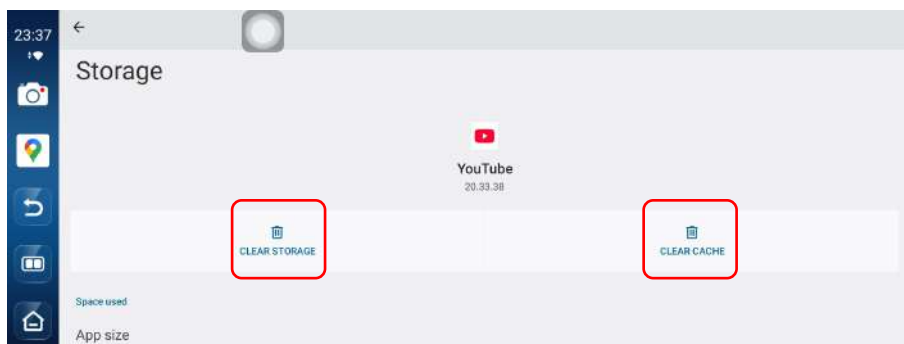


3. If you still cannot restore normal operation after opening YouTube again, please scroll down in the application information interface and click on 'Storage & cache'.



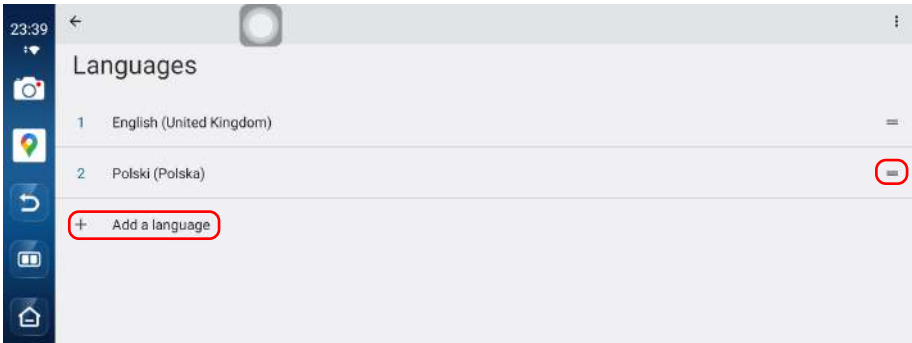
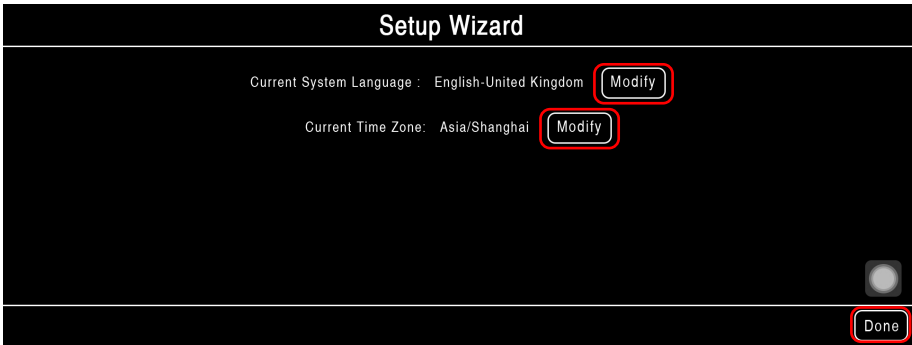
4. After clicking on 'Clear Storage' and 'Clear Cache' in sequence, try opening YouTube again.

(Reminder: This operation will clear all data and records of the application)

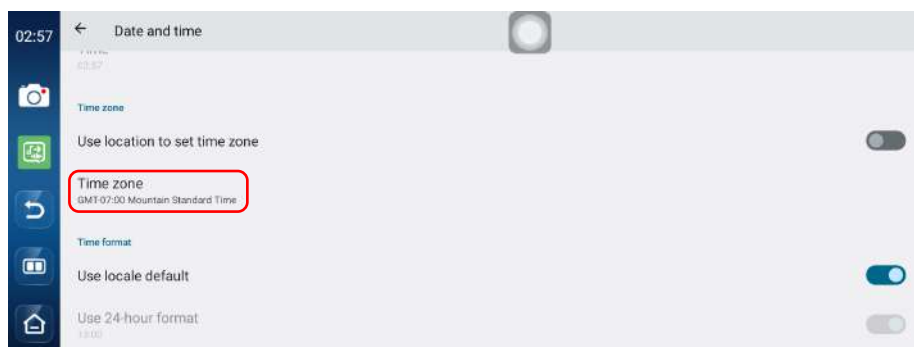
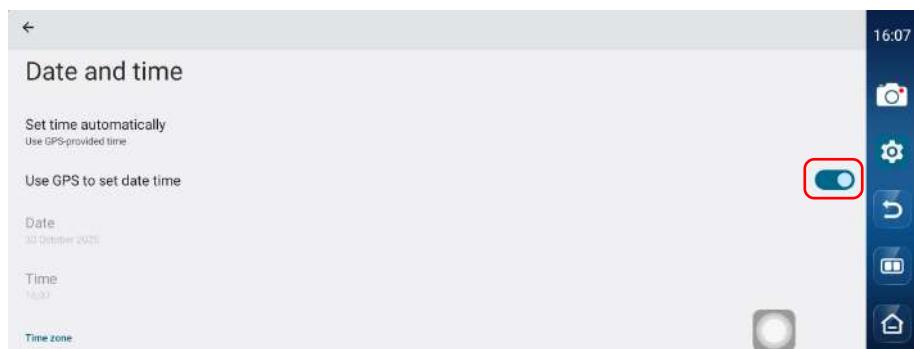


6.3 Startup Wizard

1.After the initial setup or a factory reset, you will be prompted to choose a language. To add a new language and set it as primary, tap "Modify", then " + Add a language" . Select your language and use the "Move to Top" function (icon: =) to place it first. Confirm your selection (←) and tap "Next" to continue "Done".

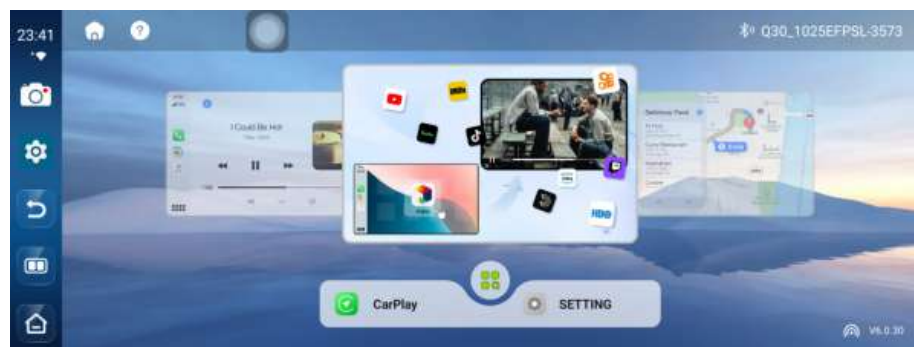


2.Then you need to click to select your region, and the system will select different applications based on the region you have chosen.



Return to the previous level. Confirm the selection.

6.4 Apple Carplay



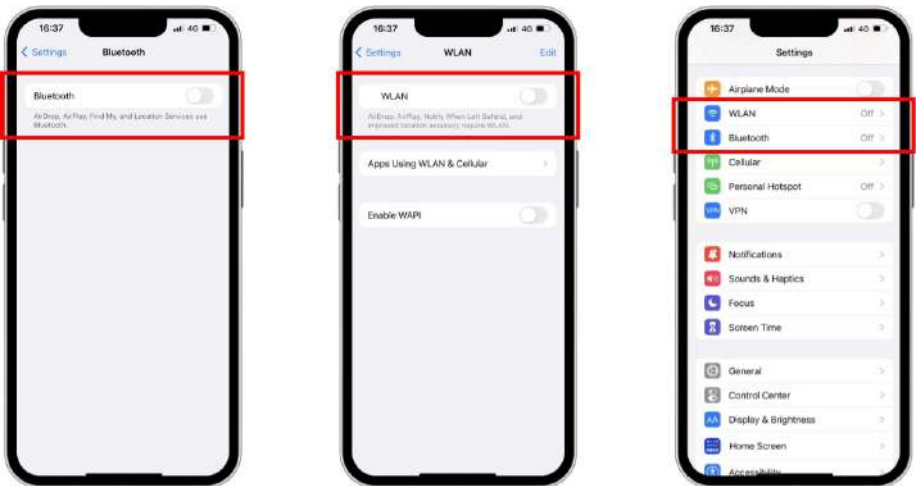
As shown in the figure above, click the **【Carplay】** button, then select the **【Carplay】** option, and first turn on the phone's WiFi and Bluetooth, as shown in the figure above. Bluetooth (receive) will automatically turn on, named Q30-Mornvoy. After successful Bluetooth connection, Carplay can be connected. When the machine is powered on, it will attempt to automatically connect to the last connected phone.



(Half screen mode)



(Full screen mode)



1

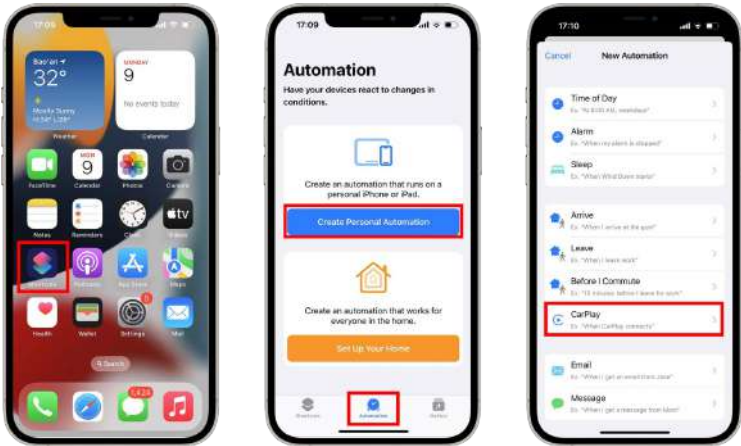
2

3

(Carplay option only supports Apple phones, turn off the WiFi button on the phone to disconnect)

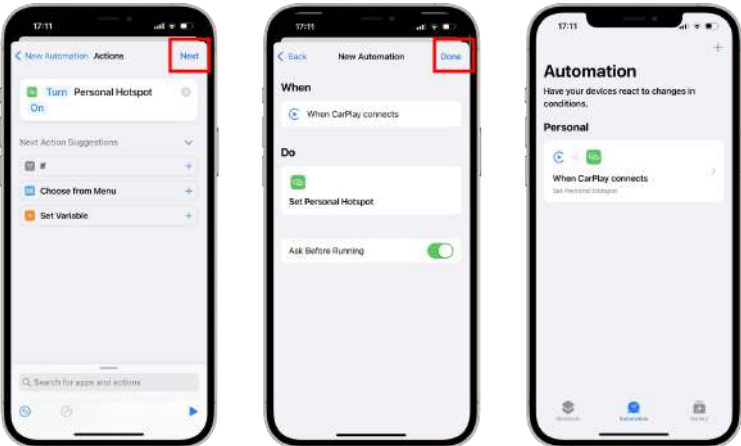
Users can set the phone to automatically turn on personal hotspot function when connected to CarPlay, so that the smart screen can easily access the network. (Set up tutorial as shown in the following figure).

1.Find and open the Shortcuts app on your phone, select Automation, click Create Personal Automation, and choose CarPlay.

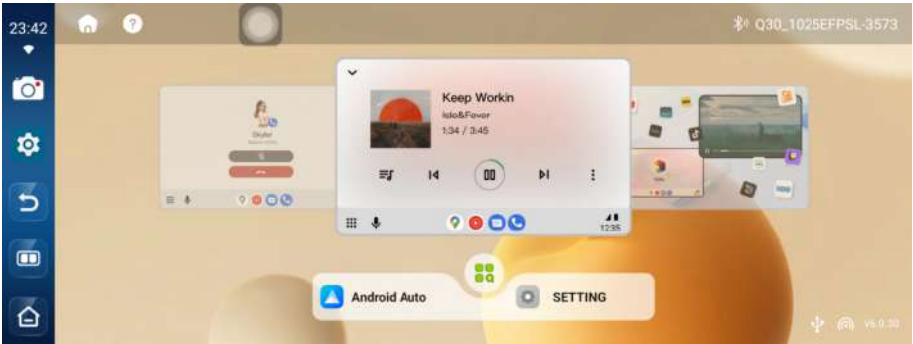


2.After selecting Connects, click Next, click Add Action, search and select Set Personal Hotspot.

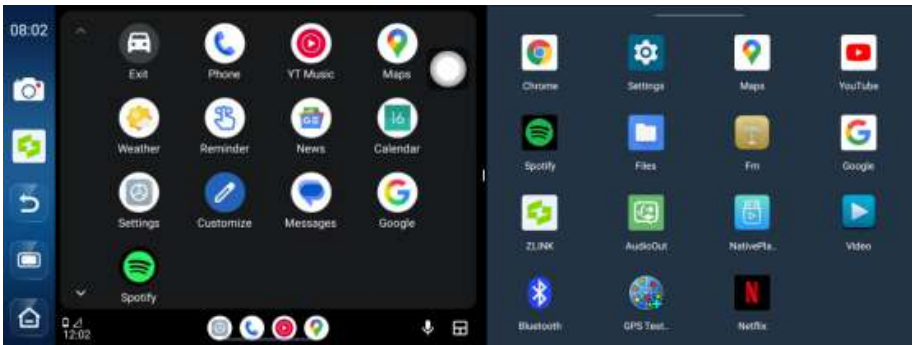
3. When Turn Personal Hotspot is displayed, click Next, click Done, and when CarPlay connections Set Personal Hotspot is displayed, it indicates successful setup.



6.5 Android Auto



As shown in the figure, click the [Android Auto] button and select the [Android Auto] option. First, turn on the phone's WiFi and Bluetooth, as shown in the figure above. Bluetooth will automatically turn on, named Q30-Mornvoy. After a successful Bluetooth connection, you can connect to Android Auto. (When turned on, the machine will attempt to automatically connect to the last connected phone).

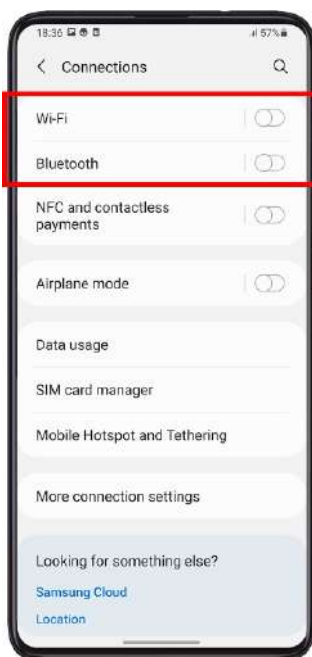


(Half screen mode)



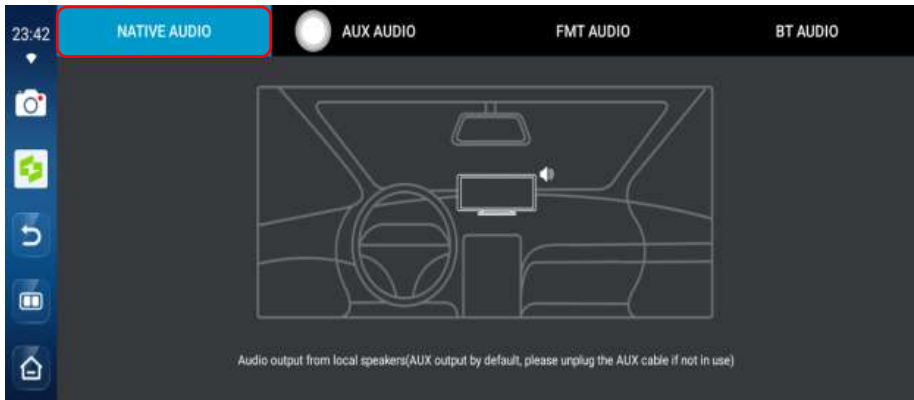
(Full screen mode)

The wireless Android Auto option only supports Android phones. To disconnect, turn off Bluetooth and the WiFi button in the phone settings.

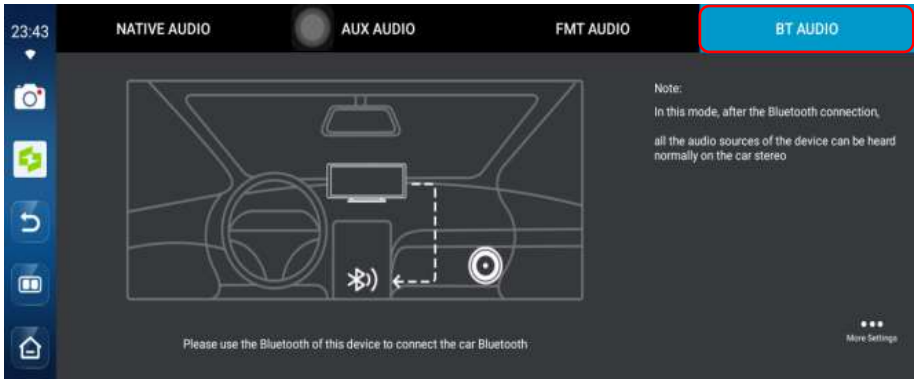


6.6 Audio output

As shown in the above figure, click the [Audio Output] button to enter the audio output selection interface.



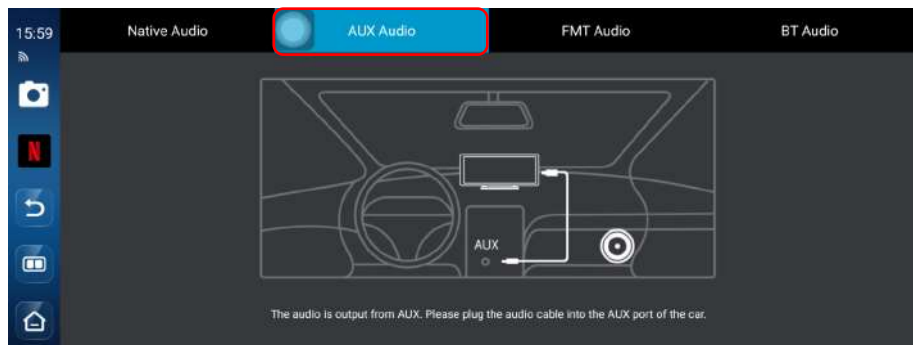
- ① **【Local speakers】** : The sound will be played from the speaker of the smart screen.



- ② **【Bluetooth transmitter】** : After selecting this mode, turn on the Bluetooth (emission) switch. Turn on the car's Bluetooth again, and the name of the car's Bluetooth will be displayed in the "Other Devices" section on the lower right side. After successful connection, all sounds from the device will be transmitted via Bluetooth to the car speakers for playback.Click to modify the Bluetooth name.Click to refresh and search for Bluetooth again.When connected, steering wheel controls support music track switching, pause/play, and other playback operations.



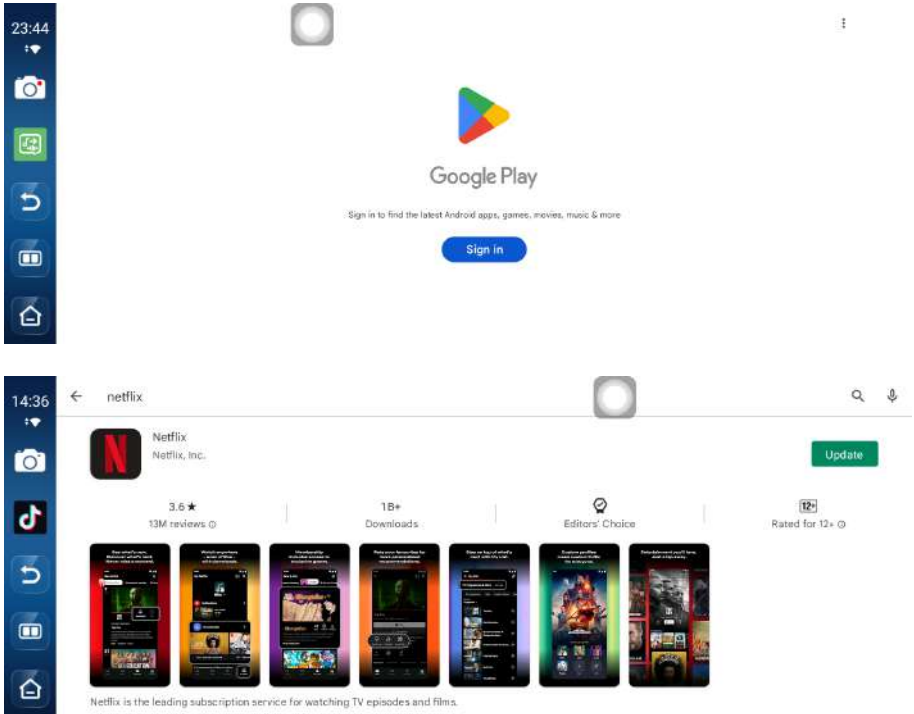
③ **【FM】** : After selecting this mode, the FM transmission mode will be turned on by default. For example, the FM transmission frequency of the device is adjusted to FM 108.0 MHz (any unoccupied channel can be used), and the car radio will also adjust the receiving frequency band to the same FM 108.0 Hz. After successful connection, all sounds from the device will be transmitted to the car horn through FM transmission. When using FM transmission, please do not insert the AUX cable as it may interfere with the FM transmission sound quality (Not using the power cord may result in deterioration of FM transmission signal or malfunction).



④ **【AUX】** : After selecting this mode, the AUX output mode will be turned on by default. Connect the smart screen to the original vehicle using AUX sound source wires. After successful connection, all sounds from the device will be transmitted to the car speakers through the AUX sound source cable for playback.

6.7 App Store

The app store is a platform on the smart screen for downloading, updating, and managing various applications. The selection of applications varies depending on the location of the store. At present, downloading applications is only available in the app store on the smart screen, and it is not possible to search for more applications.



(Different regions display different application lists)

You can click the "Install" button on the application, and the application will start downloading and automatically installing. Self installed applications can be uninstalled or run in the app store.

Usage tip: Please ensure that the smart screen is connected to a stable network and regularly check for app updates to maintain optimal performance and security.

6.8 Clean

The cleanup feature helps clean up applications and services running in the background, release memory resources, and improve the performance of the smart screen.



6.9 Frequently Asked Questions

Frequently Asked Questions Special Explanation:

1. For the stability of device usage, the device will perform a shutdown instead of hibernation after a certain number of uses.
2. The system needs to be optimized for the first startup, and the startup time will be more than 2 minutes. After optimization, the subsequent boot time is only about 30 seconds.

Mobile phones that can connect to both screen mirroring and hotspot settings require:

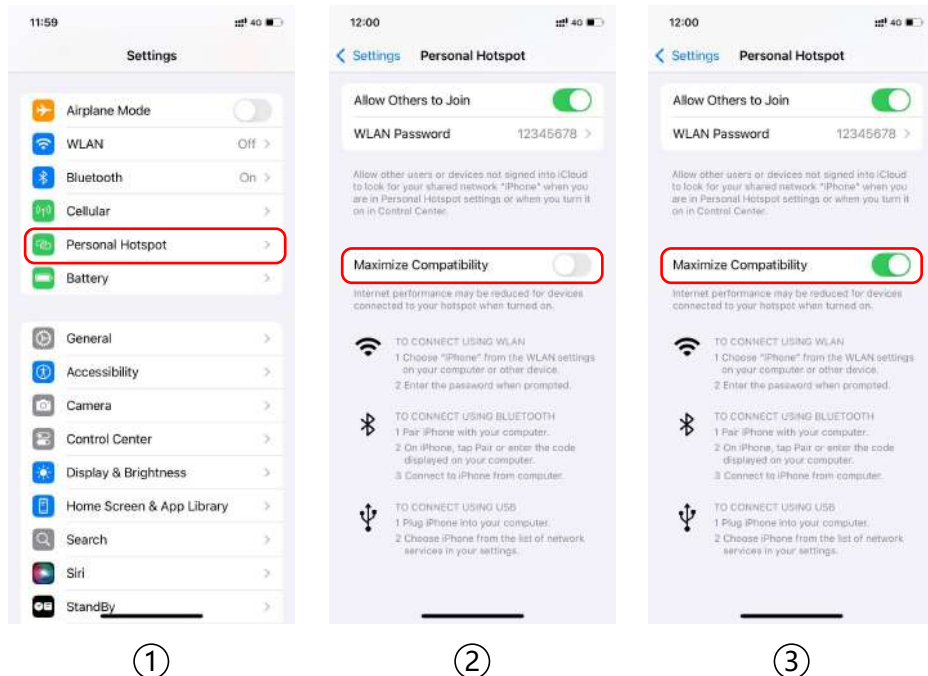
iPhone series: Requires IOS16 or higher version. (iPhone 8 and above, iPhone SE second generation and above).

Android series: Some Android phones do not support simultaneous connection of screen mirroring and phone hotspot.

Common problem:

1. After turning on the hotspot on the iPhone, the smart screen cannot connect or use the WiFi.

Please turn on the maximum compatibility button for personal hotspot on your iPhone. Mobile phones without a maximum compatibility button and unable to connect to hotspots do not support connecting to Carplay and personal hotspots at the same time (some phone steps are shown in the following figure).



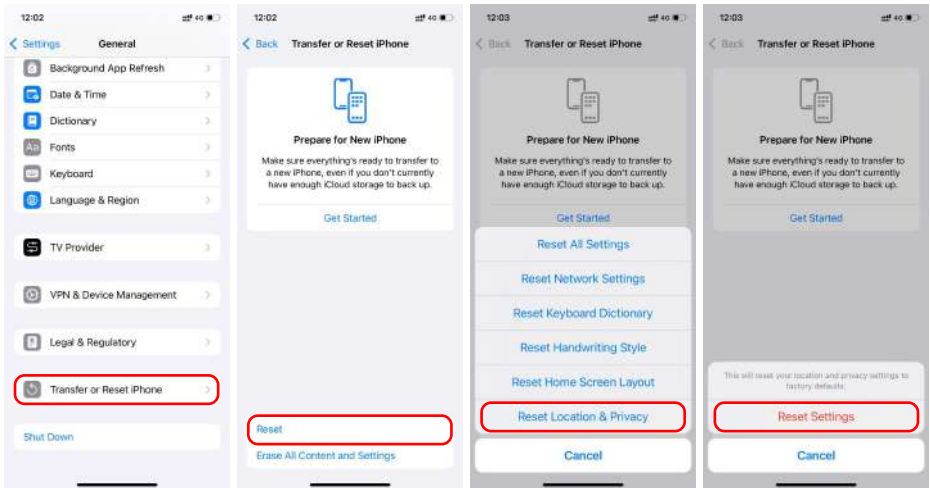
iPhone needs to be IOS16 or above to connect to personal hotspots (iPhone 8 and above, iPhone SE 2nd generation and above) while connecting to Carplay. Mobile phones that do not meet the requirements need to disconnect Carplay before connecting to the hotspot.

2. After turning on the hotspot on an Android phone, the smart screen cannot connect or use the WiFi.

Most Android phones do not have the maximum compatibility feature, and only some Android phones can connect to personal hotspots while connecting to Android Auto. Phones that do not meet the requirements need to disconnect Android Auto and then connect to the hotspot.

3. When Carplay screens are projected, the navigation positioning may be offset or inaccurate.

Solution: Open the phone [Settings] → [General] → [Transfer or Restore iPhone] → [Reset] → [Reset Location & Privacy] → [Reset Settings].



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4. When Carplay is projected, the smart screen displays [Carplay Not Available] and cannot be used.

Solution: Open your phone [Settings] → [Siri & Search] → Select Enable Siri.

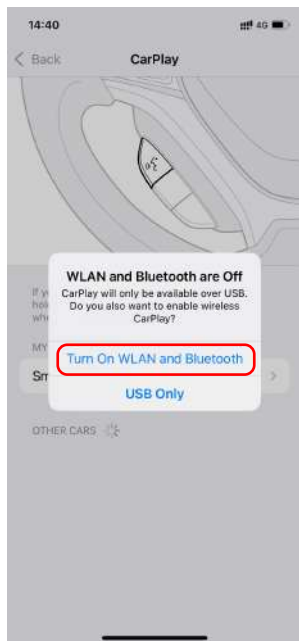
5. Carplay cannot connect.

Carplay connection requirements:

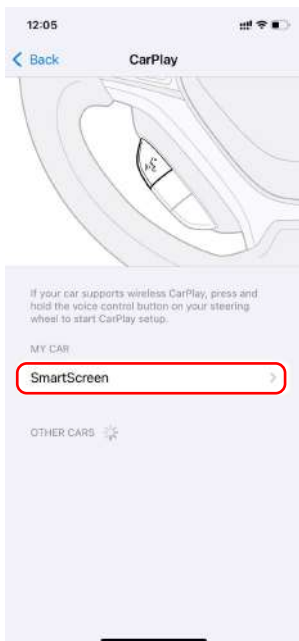
The phone must be an iPhone 5 or above.

The mobile system version requires IOS13 or above.

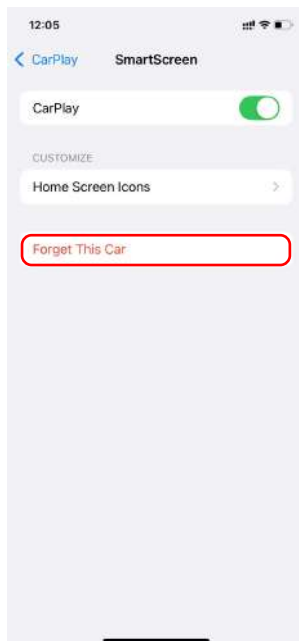
Solution 1: Open the phone [Settings] → [General] → [Carplay], and then clear the records inside.



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Solution 2: Restart the phone and reconnect to the smart screen Bluetooth.

Solution 3: You can turn off both WiFi and Bluetooth on your phone at the same time, then turn them back on and reconnect.

(To turn it off in the settings, do not turn it off in the quick notification bar).



Solution 4: Disconnect the personal hotspot of the phone first, and then connect it to the Bluetooth of the smart screen.

6. Android Auto cannot connect.

Android phone connection requirements:

- The versions of Android Auto, Google, Google Maps, and Google Voice have been updated.
- Unable to activate the VPN function on the phone during screen mirroring.
- Require the phone version to be Android 12 or above, and the phone supports 5G WiFi.

Solution 1: You can turn off the Bluetooth on your phone, turn it back on, and then reconnect the Bluetooth on your smart screen.

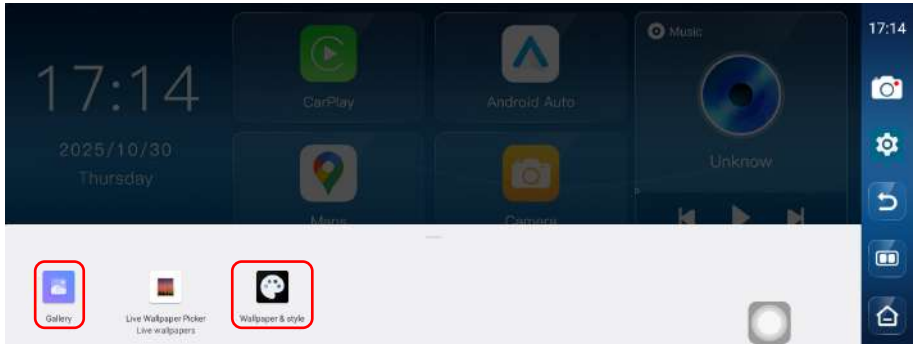
Solution 2: After clearing the cache and data of Google Play service on the phone, restart the phone and reconnect to Bluetooth.

Solution 3: Disconnect the personal hotspot of the phone first, and then connect it to the Bluetooth of the smart screen.

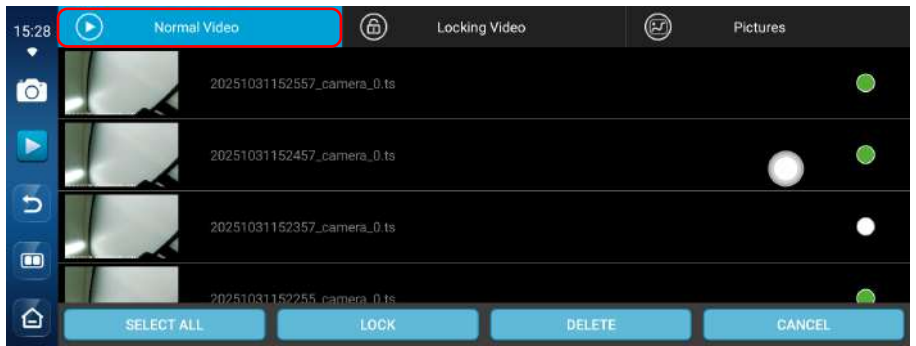
6.10 Gallery

Library is an application used in smart screens for viewing, managing, and editing photos and videos. Support operations such as zooming, sliding, and sharing.

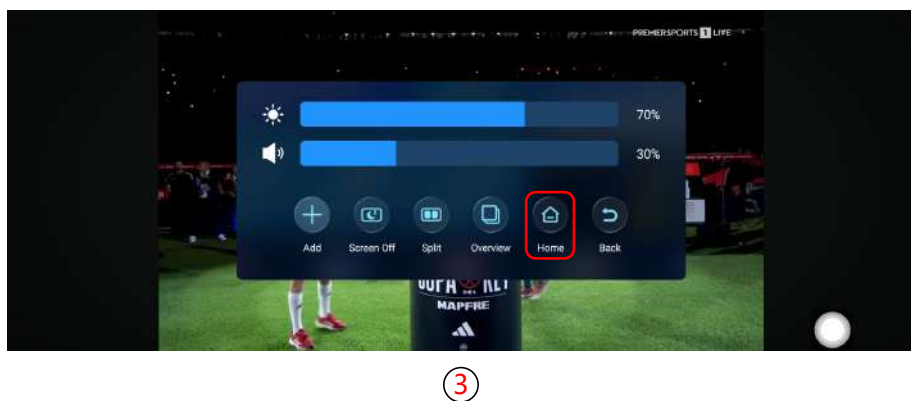
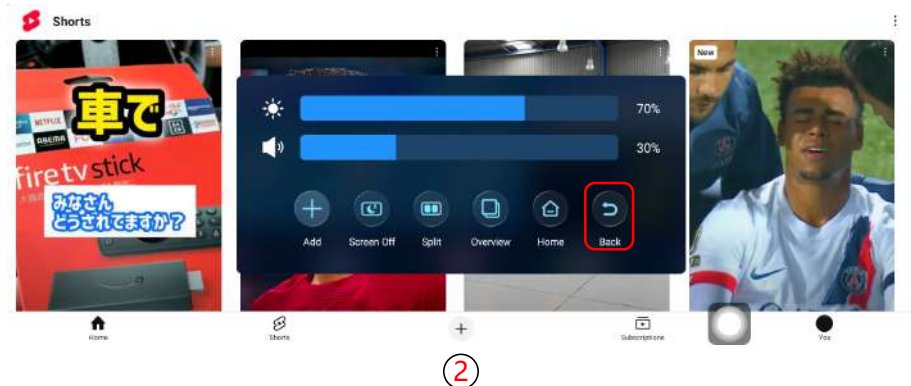
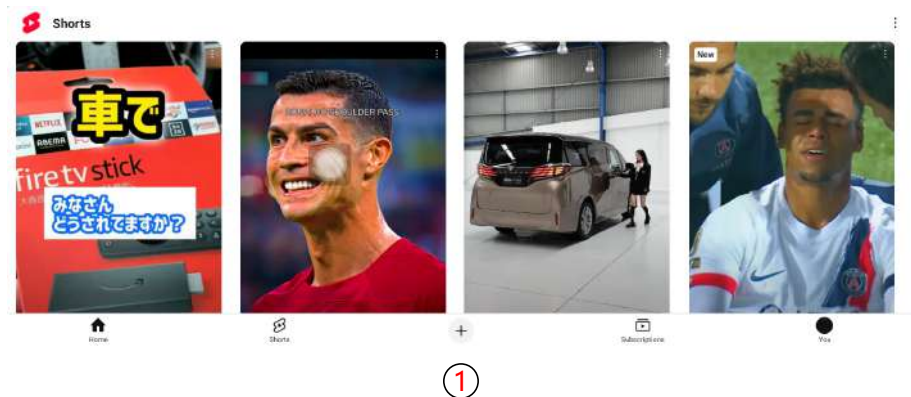
You can directly play video files in the gallery, default full screen playback, drag the playback progress bar to control fast forward and rewind.



Editing and Beautification: Provides photo editing functions such as filters, adding borders, cropping, and adjusting.



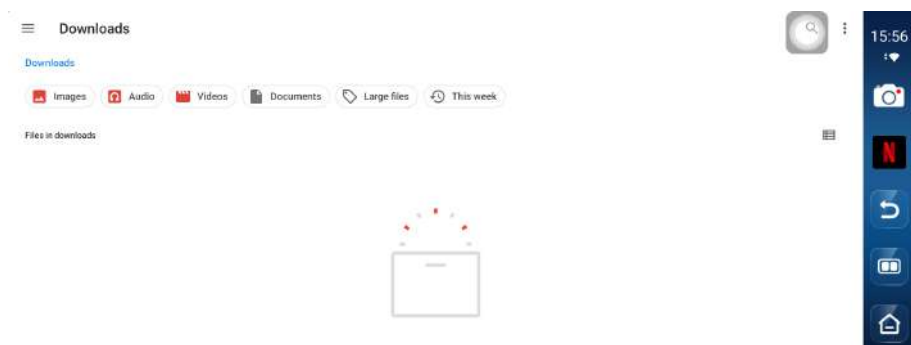
Support video editing operations such as video editing and muting. Support one click sharing of photos or videos to other applications. You can also create, rename, or delete photos and videos for better organization.



When using a full screen application, a return to previous task button will appear next to the shortcut menu, making it easy for you to quickly switch to the previous task state.

6.11 Files

File application is a tool used in smart screens to manage files such as downloads, images, music, videos, etc.



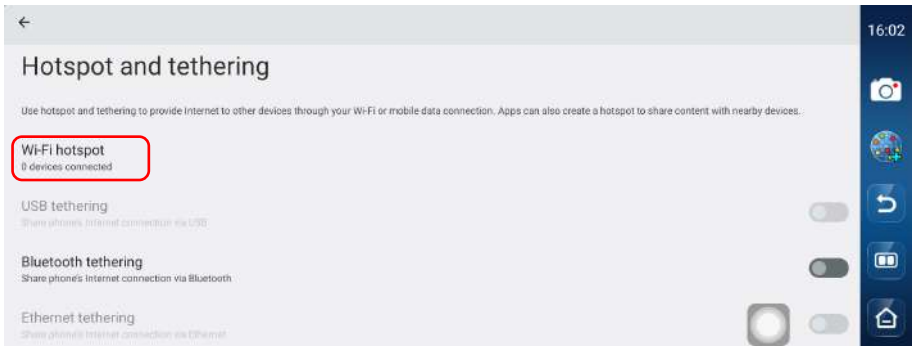
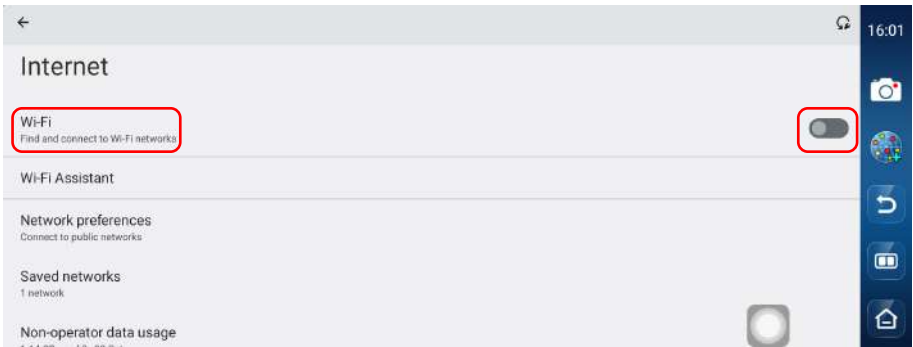
You can browse files in the smart screen memory and SD card in a list format. Support sorting files by name, size, type, or modification date. Long press file selection provides file operation functions such as copy, move, delete, share, compress, rename, etc. Support creating folders to organize files. Enter keywords in the search box to quickly find files. Choose the appropriate application to open the file.

Usage tip: Be cautious when deleting files to avoid accidentally deleting important data.

6.12 Settings

The system settings aim to provide users with comprehensive device management and personalized services:

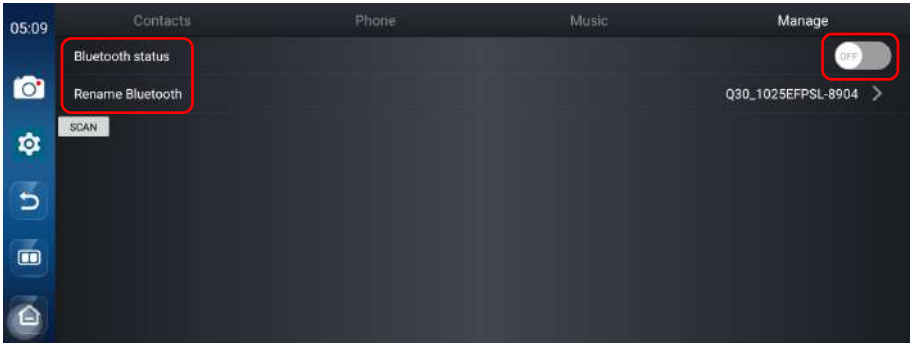
1. WiFi: Users can find the WiFi option in "Settings", turn on the WiFi switch, scan and connect to available networks, and also set WiFi preferences.



To simultaneously connect Carplay/Android Auto and mobile hotspot on the same phone, please enable the maximum compatibility feature of the mobile hotspot. Android phone operation, iPhone phone operation. Clicking on the blue font will redirect you to the corresponding operating interface.

2. Receive Bluetooth: Users use their mobile devices to search for Bluetooth reception on the smart screen, achieving wireless connectivity with their phones.

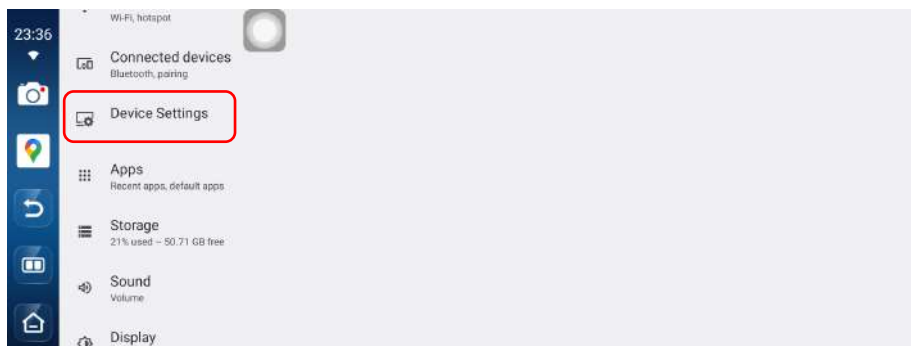
Bluetooth transmission: Users can actively search and connect to the car's Bluetooth to send all audio to the car's audio system for playback.



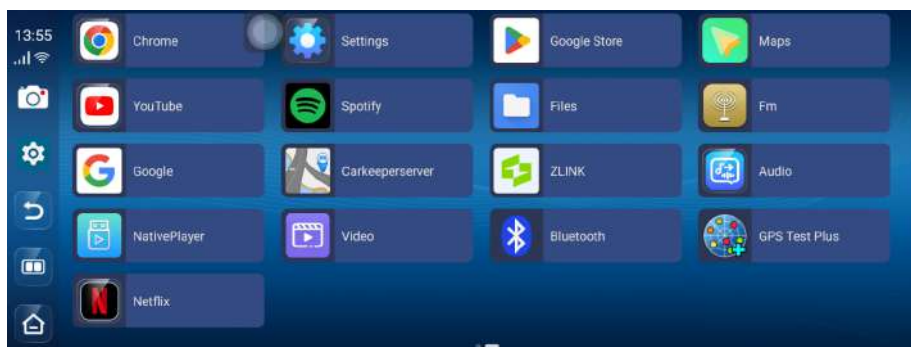
3. Display: Users can adjust screen brightness, change desktop wallpaper, change floating frame style, sidebar position, app sorting, and system font size.



▲ Change wallpaper

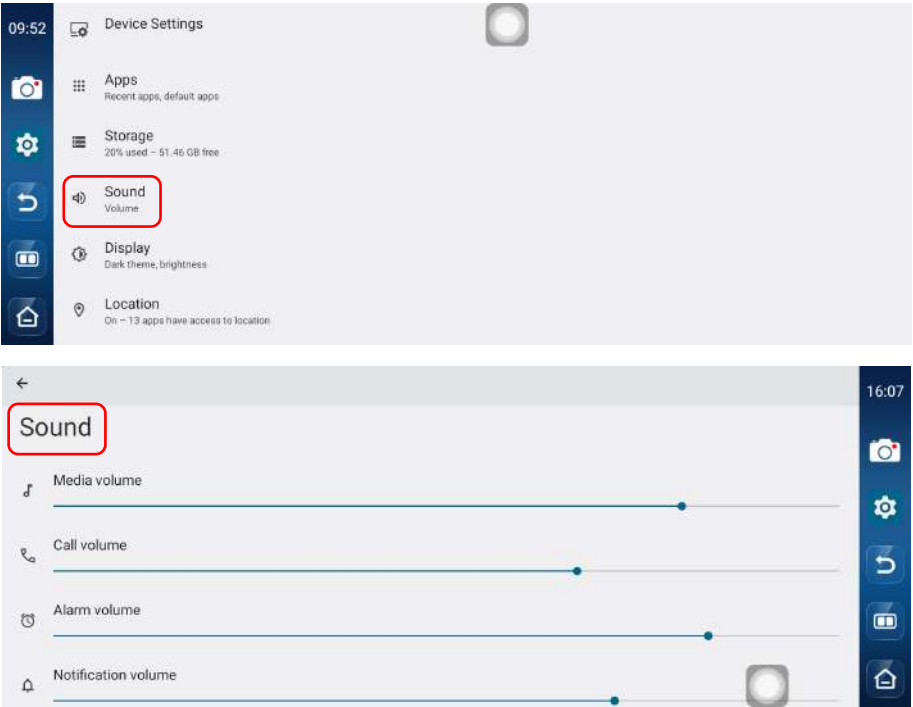


▲Sidebar position



▲Application List

4.Sound settings: Users can control the volume of the device, choose to turn on or off the power on ringtone, and set audio output.



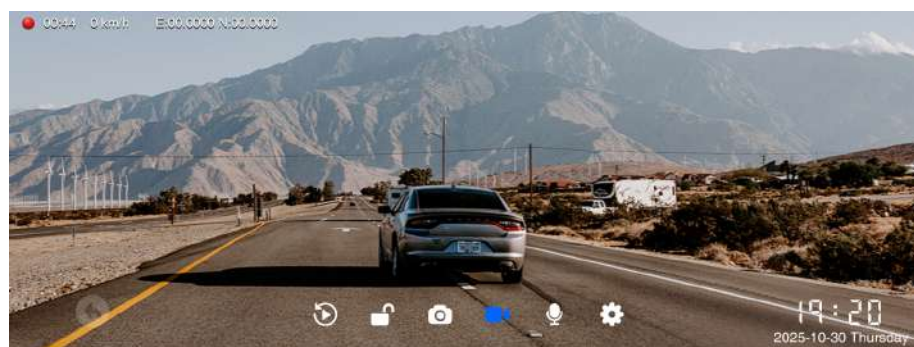
5.Reverse settings: reverse line calibration, reverse camera system selection, reverse camera image mirroring.



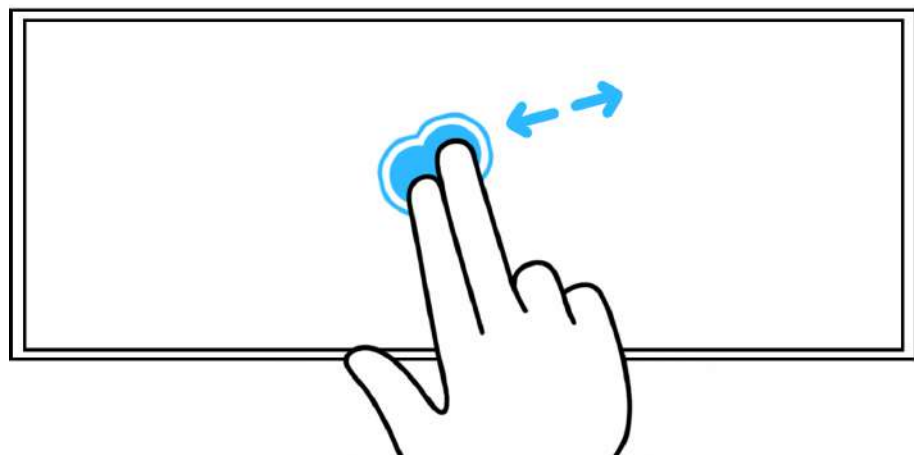
▲Reverse line



▲ Selection of Reverse Camera System



▲ Reverse camera image selection

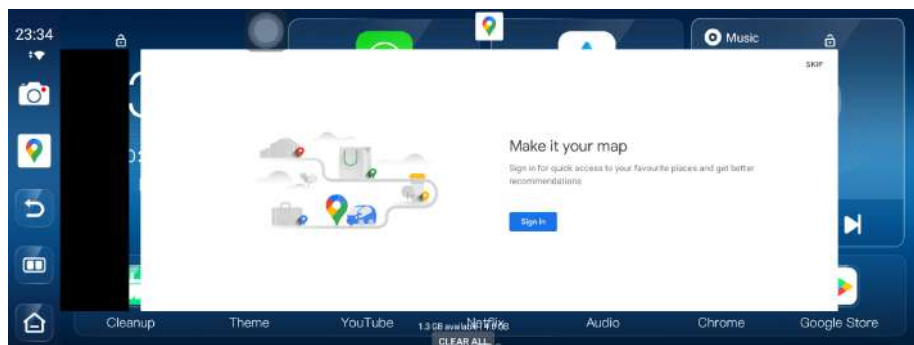


▲ Finger scroll

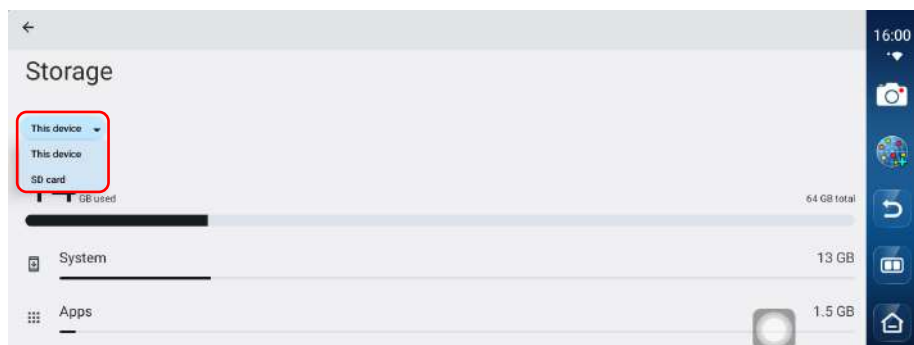


▲Dual Camera

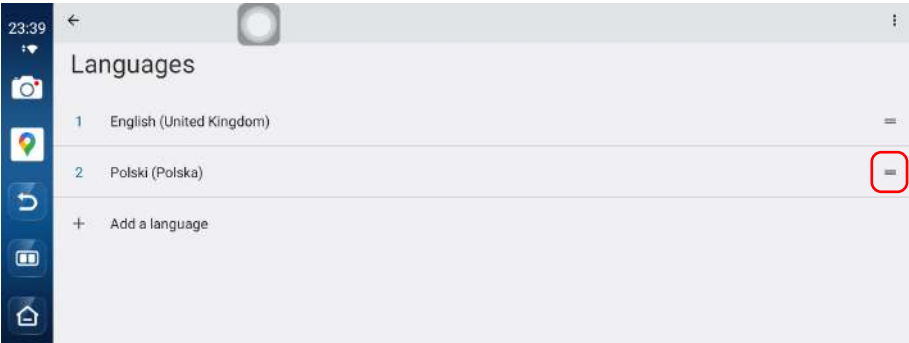
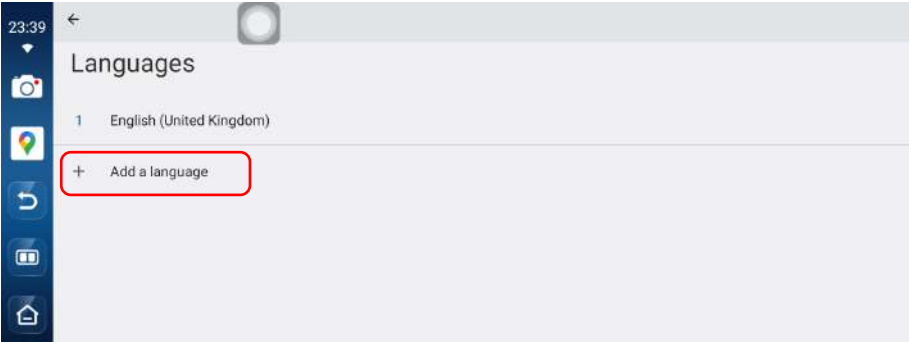
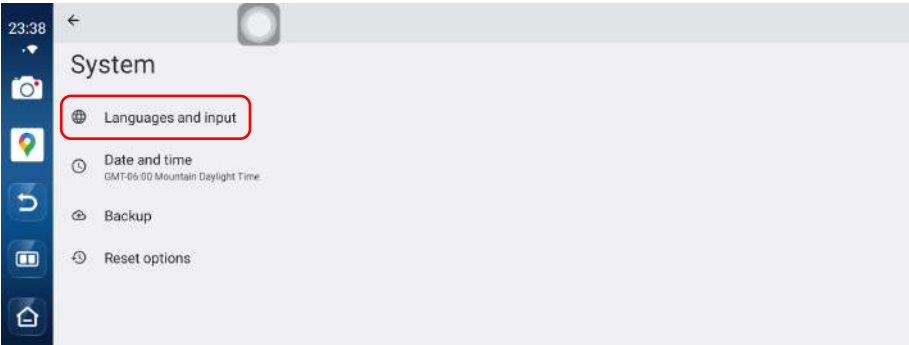
6. Applications: Recently used applications, default applications.



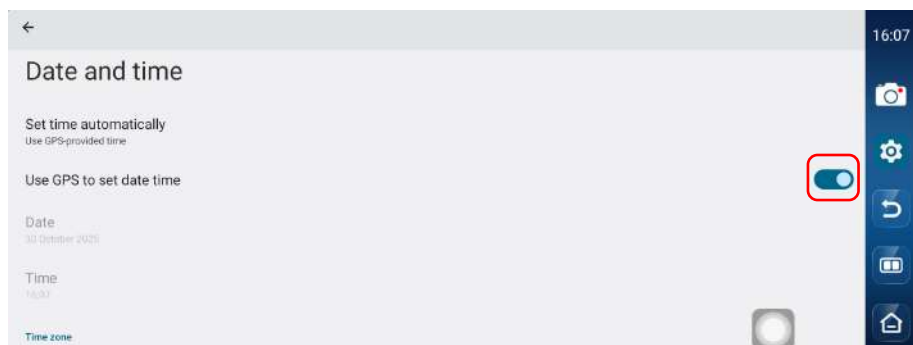
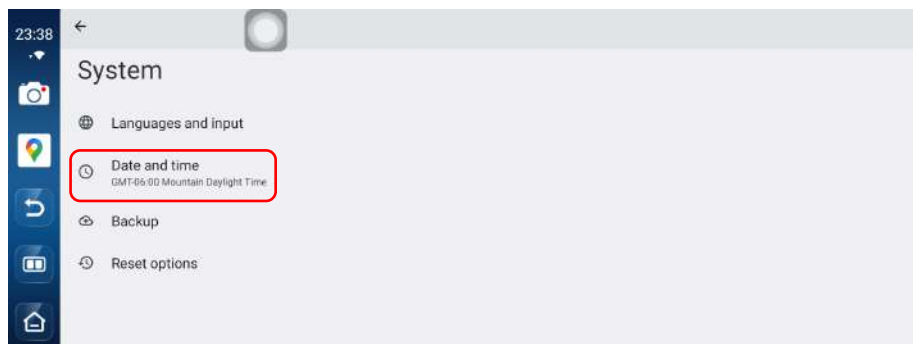
7.Storage: Provide users with functions such as storage space usage, cleaning storage space, and external storage management to help users better manage and optimize their phone's storage space.



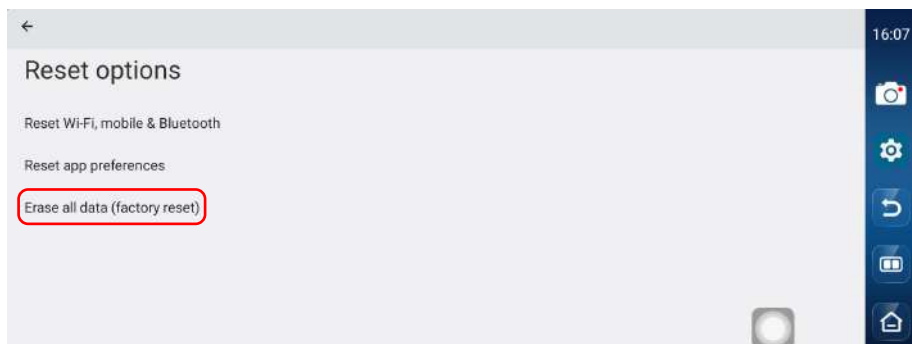
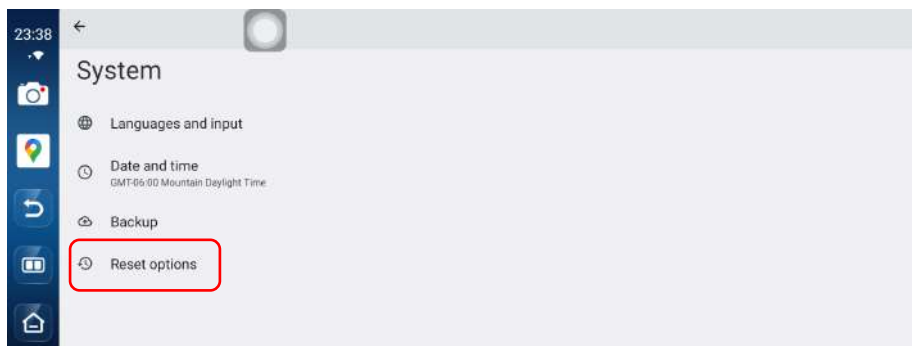
8. System: Language and region, Date & time, Reset options, System updates, AI OS.



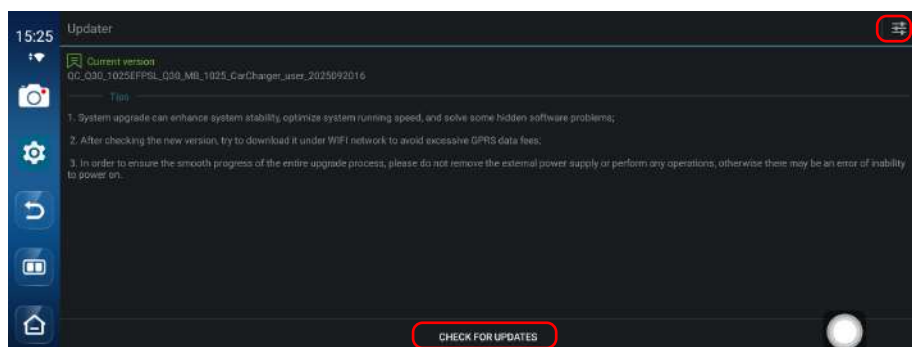
▲ Choose language or region



▲ Choose to set date and time



▲ Restore factory settings



▲ System updates or Local upgrade

Please ensure the vehicle power supply remains active and the system maintains uninterrupted power throughout the OTA update process.
Do not interrupt the power source during the upgrade procedure.

Safe Usage Instructions

Safety Instructions for Driving:

To ensure your safety while driving, remain fully attentive and avoid any distractions when using the vehicle's system. Any activity that may divert your attention—including but not limited to browsing maps, adjusting settings, or watching videos—should only be performed when the vehicle is safely parked.

It is strictly prohibited to manually enter information, make or answer calls, or engage in any other activities that may interfere with safe driving while the vehicle is in motion. Such actions must only be carried out when the vehicle is stationary.

FCC Warning:

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in mobile exposure condition, the use distance is 20cm, compliance with exposure requirements.

