Car Navigation Multimedia Receiver

User Manual

Item model number:A6G209PF

FCC WARNING

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.

Note: 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

1BT 1

Bluetooth 1 Connection

Step 1: Access Bluetooth 1 using one of the icons below.

Step 2: Note the car stereo's Bluetooth name.

Step 3: Turn on your phone's Bluetooth and search for devices.

Step 4: Select the car stereo in the list to pair.

Step 5: Make a call and play music from the car stereo via Bluetooth 1.

Bluetooth voice activation:

To activate your phone's voice assistant with the car stereo, use either of these two methods:

Method 1: Touch the icon at the top of the screen.

Method 2: Press a designated steering wheel audio key

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2CarPlay

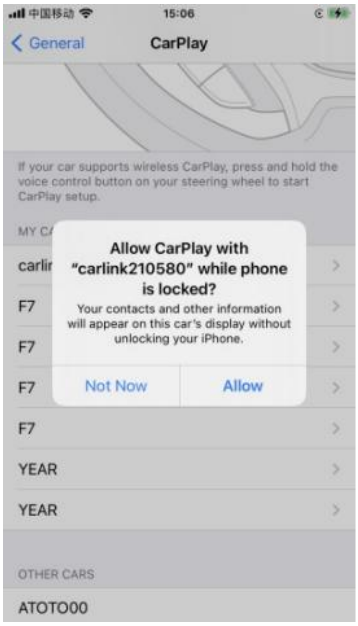
2.1Wired CarPlay

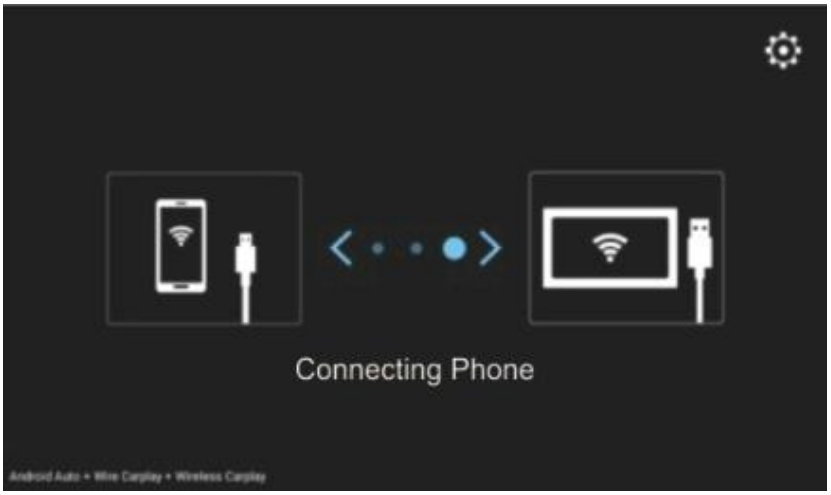
Connection:

Step 1. Connect your iPhone to the specified <Phone Link> port;

Step 2. Run the CarLink app from the car stereo. You will see a pop-up window (asking for permission) from your phone screen, and click <Allow>.

Step 3. Then CarPlay will display on the screen.





2.2Wireless CarPlay

2.2.1Connection:

Step 1: Enable Bluetooth and Wi-Fi on your iPhone, and Wi-Fi on the

car stereo; Then pair your car stereo’s Bluetooth with your iPhone’s.

Note:

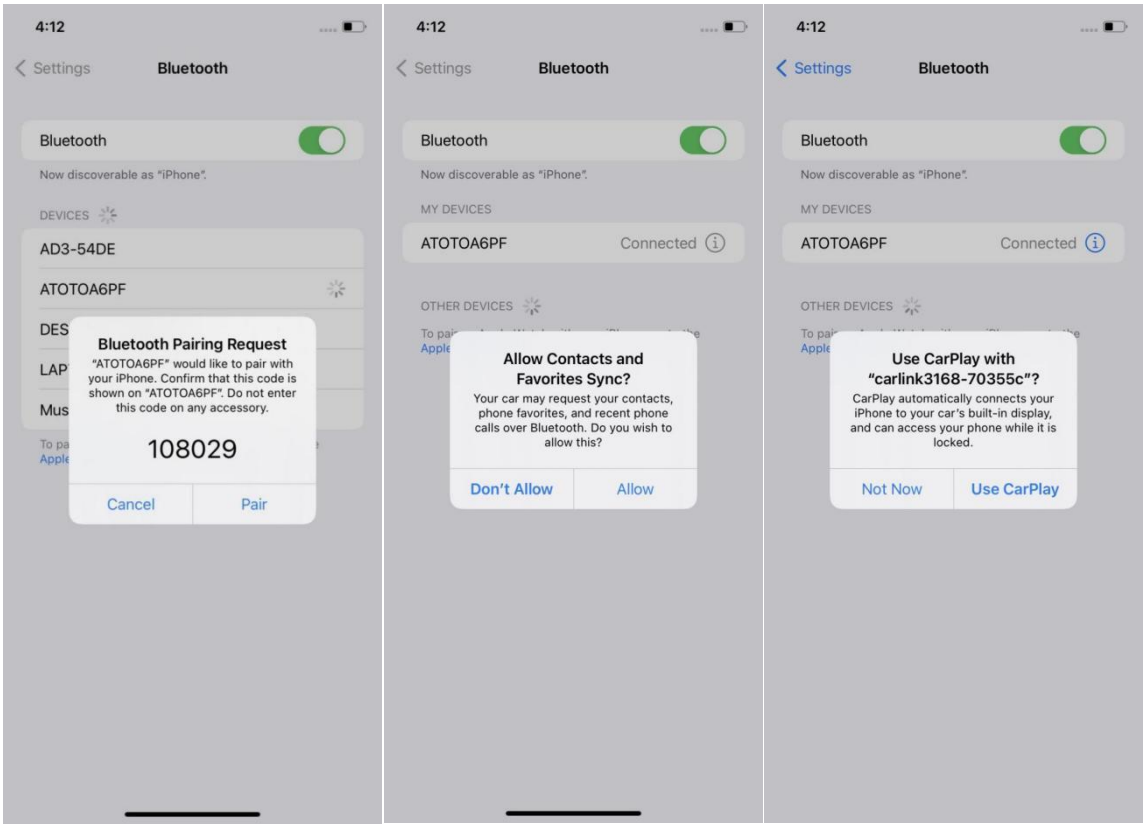
•Ensure your iPhone and car stereo do not connect to any other Wi-Fi hotspots or Bluetooth, and make sure your car is in park(P);

•No need to manually select the car stereo from your phone's Wi-Fi list; it connects automatically via Wi-Fi after Bluetooth pairs.

•For wireless CarPlay, we recommend using a USB wired connection, with Bluetooth 2 (BT2) as an alternative.

•Wi-Fi is not supported during wireless CarPlay use.

Step 2: Allow all the following prompts on your iPhone to complete setup.



Step 3: The connection is complete now. Tap CarLink app to enter wireless CarPlay.

2.2.2Compatibility:

Wired CarPlay is available on iPhone 5 or later models with iOS 7.1 or higher.

Wireless CarPlay is available on iPhone 5 and later models with iOS 9.0 and higher.

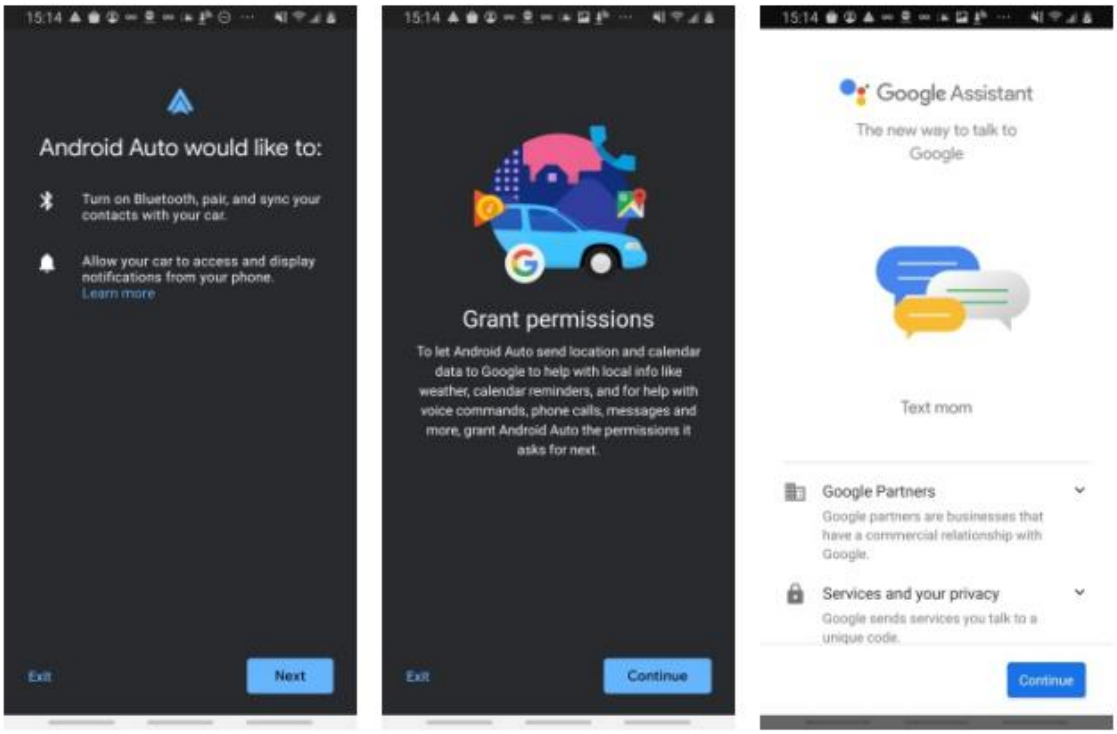
3Android Auto

3.1Wired Android Auto

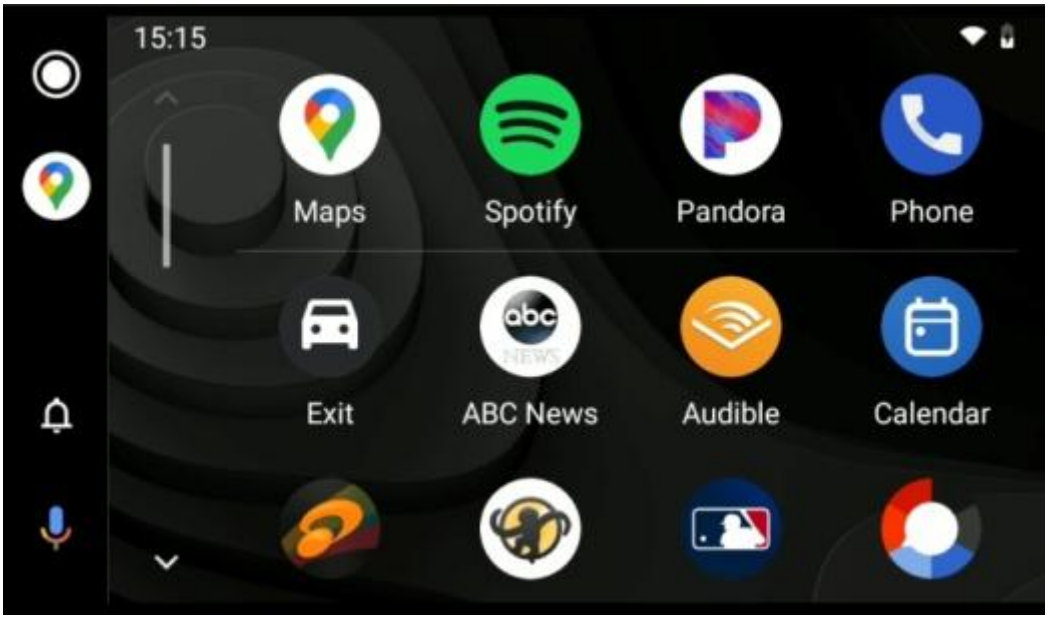
Step 1: First, install the Android Auto app on your Android phone. If you can't install it from Google Play Store, Android Auto may not be compatible with your phone, or it's not available in your country.

Step 2: Connect your phone to the specified <PhoneLink> port;

Step 3: Run the CarLink app. You may see some pop-ups from your phone for the first time connection. Please always allow the requests.



Step 4: Then Android Auto will display on the screen.



3.2Wireless Android Auto:

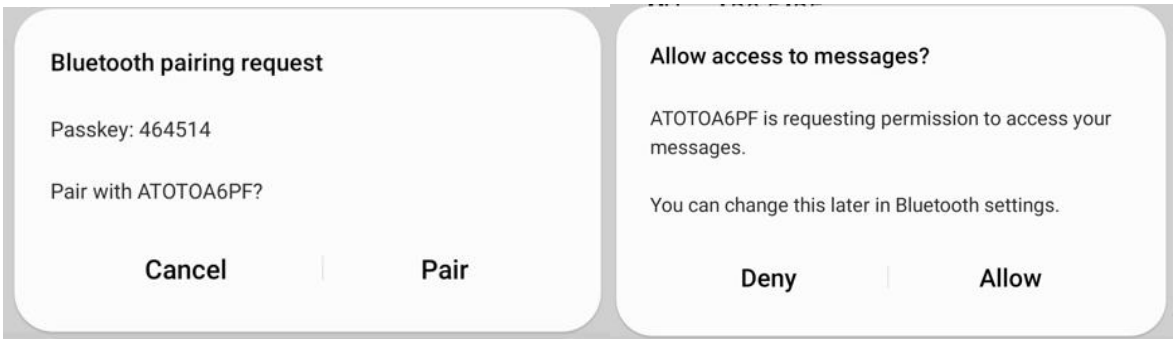
Step 1: Enable Bluetooth and Wi-Fi on your phone, and Wi-Fi on the car stereo; Then pair your car stereo's Bluetooth with your phone's.

Note:

•Ensure your phone and car stereo do not connect to any other Wi-Fi hotspots or Bluetooth, and make sure your car is in park(P);

•No need to manually select the car stereo from your phone's Wi-Fi list; it connects automatically via Wi-Fi after Bluetooth pairs.

Step 2: Allow all the following prompts on your phone to complete setup.



Step 3: The connection is complete now. Tap CarLink app to enter wireless Android Auto.

Compatibility:

Wired Android Auto is compatible with Android phones Android 6.0 and up.

Wireless Android Auto is compatible with these Android versions:

1. Any phone with Android 11.0 and higher;
2. A Google or Samsung phone with Android 10.0;
3. A Samsung Galaxy S8, Galaxy S8+, or Note 8, with Android 9.0.

Note：

1. If you are using wireless Android Auto on your phone for the first time, make sure that the wireless Android Auto option or wireless projection option is on.
2. Some car stereos allow simultaneous audio output from CarPlay and local media sources (BT Music / Radio / Music / AUX / USB) , which is not yet supported by Android Auto.
3. For wireless CarPlay, we recommend using a USB wired connection, with Bluetooth 2 (BT2) as an alternative.
4.Wi-Fi is not supported during wireless Android Auto use.

4Mirroring

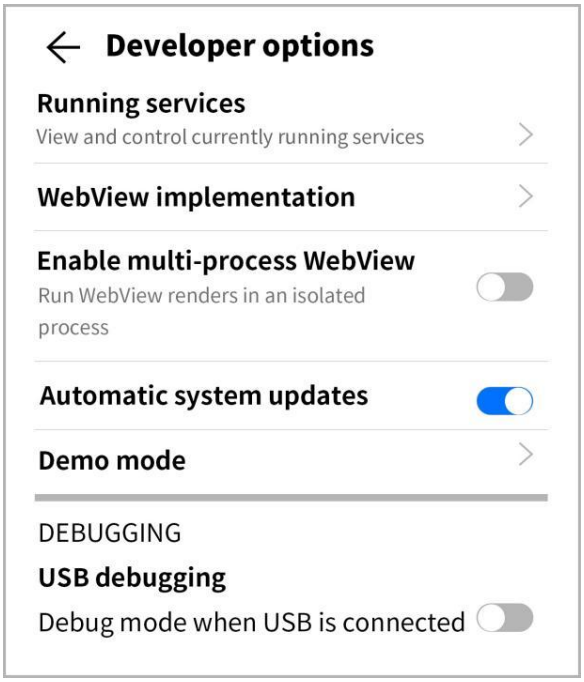
Display your smartphone screen on the car stereo via USB or WiFi. Use navigation apps like Google Maps, or watch videos from YouTube directly on the car stereo. Compatible with selected Android phones and iPhone.

4.1Android Setup:

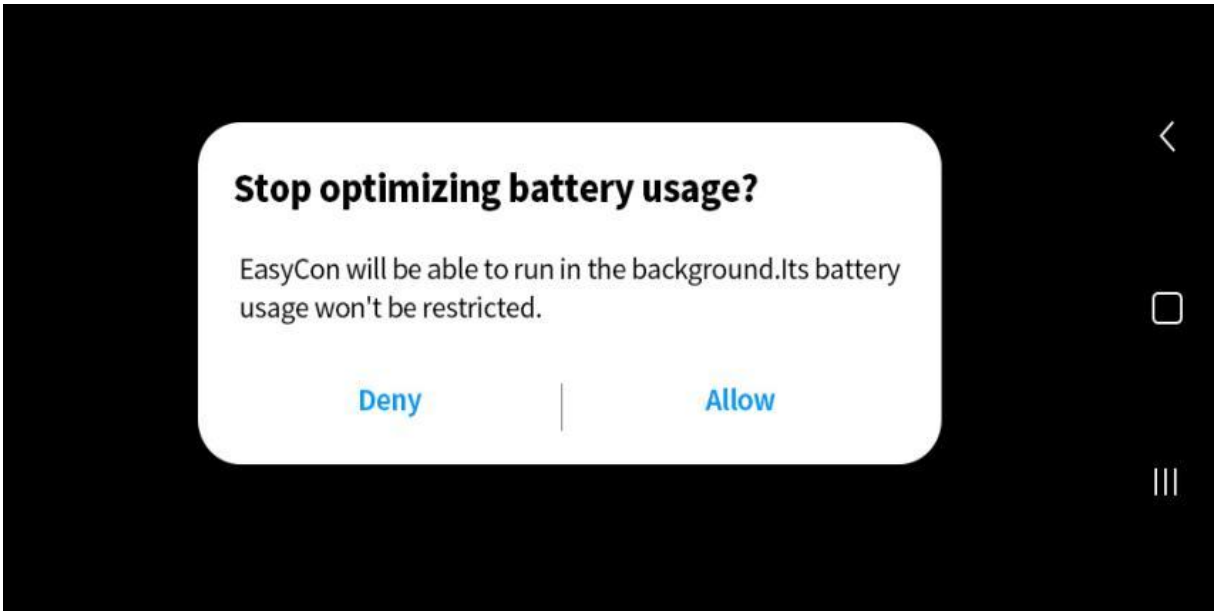
Step 1: Install CarbitLink(EasyConnection): Download from Google Play Store.

Step2: USB Connection:

•Enable USB Debugging: Find this in system Developer Options. If unsure, search online for your specific phone model.



•Connect: Connect your phone to the car stereo's USB "Phone Link" port. Accept any prompts on your phone and open the CarbitLink(EasyConnection) app on the car stereo.



Step3: WiFi Connection:

After connecting via USB, if car stereo and phone are on the same WiFi network, you can disconnect USB for wireless mirroring.

Notes:

•Android 4.4+ required.

•Use the phone's original USB cable for stability.

•WiFi mirroring doesn't use extra data.

4.2iPhone Setup:

Step1: Install CarbitLink(EasyConnection):

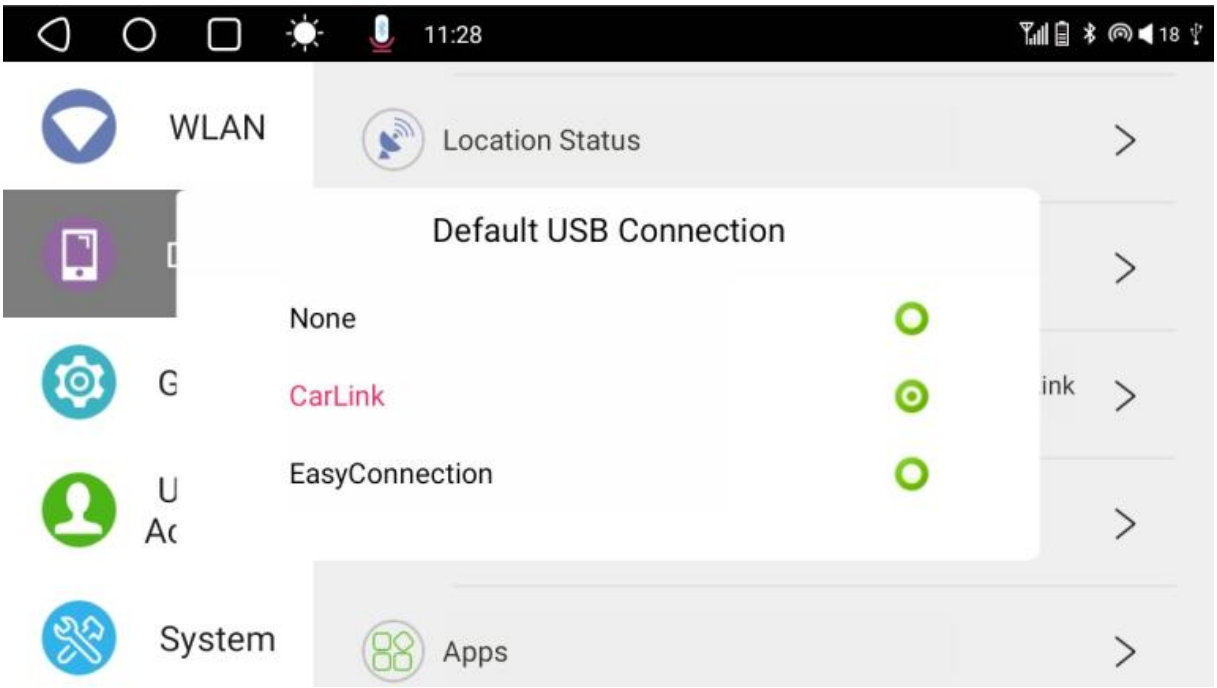
Download from the App Store and allow all permissions on first connection.

Step2: Connection:

Connect via USB: Use the original iPhone USB cable, trust the car stereo on your iPhone, and open CarbitLink(EasyConnection) on the car stereo.

WiFi Connection: Activate your iPhone's hotspot, connect to the car stereo via hotspot, and enable screen mirroring for wireless use.

Default USB Connection: In System Settings, you can set CarbitLink(EasyConnection) to automatically start upon USB connection.



Note:

USB tethering:

When your phone is connected to the car stereo using CarbitLink (EasyConnection) via USB, the stereo can access the internet using your phone's data.

5Navigation

5.1GPS Antenna Setup

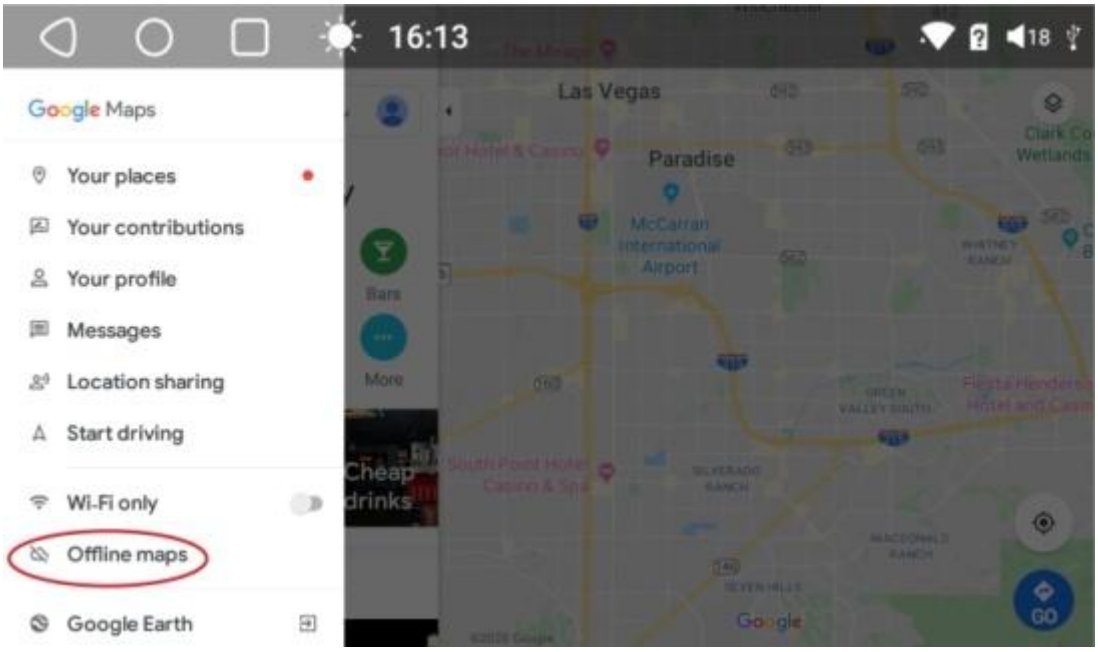
The car stereo has a GPS positioning chip inside, and a GPS antenna port is provided at the rear (labeled GPS). Connect the GPS antenna to the back of the car stereo before turning it on.

5.2Online Navigation

Google Maps comes installed on the car stereo. Remember, you need an internet connection to navigate in real-time. Apart from Google Maps, you can find more GPS navigation maps from Google Play Store.

5.3Offline Maps

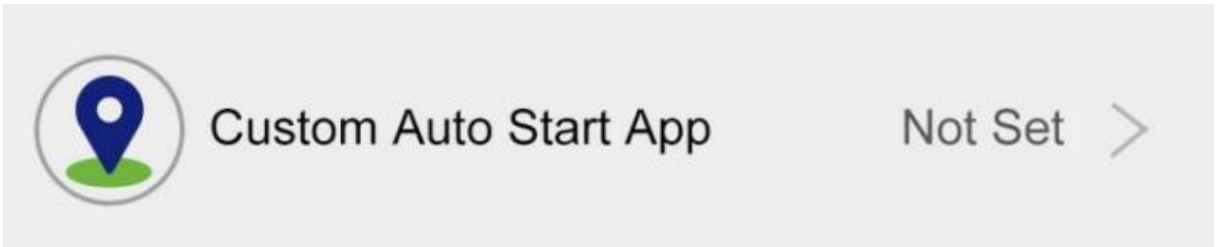
You can download maps on Google Maps for remote areas. This option isn't available everywhere, so check if it works for your area.



5.4AutoStart Feature

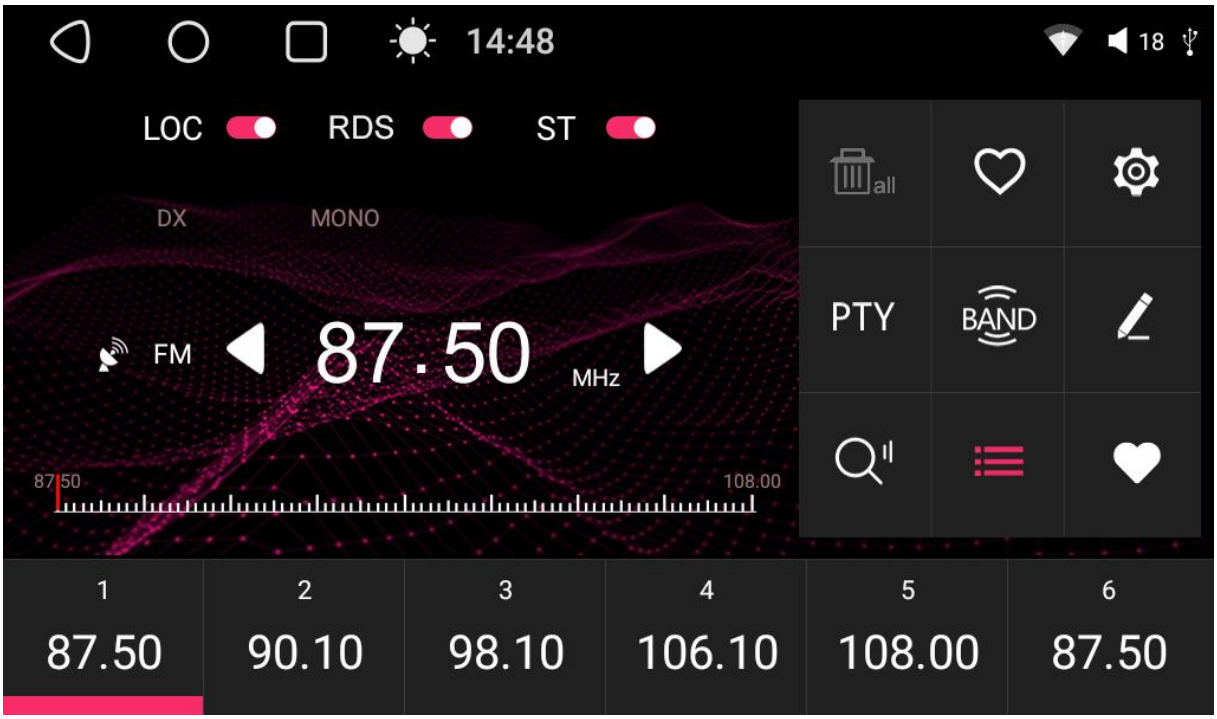
Choose a navigation app to open automatically every time you start your car stereo. Just turn on the <Auto Start Switch> in settings and pick your app in <Custom Auto Start App>.

(Path: Settings>General>Auto Start Switch)



(Path: Settings>General>Custom Auto Start App)

6Radio



AF AF: Alternative Frequencies means when the signal of the radio station you are listening to becomes worse, it will automatically switch to a frequency with a better signal of the similar radio station.Touch to performs non-stop seek tuning.

LOC: Enabling this option means especially for local (LOC) frequency handling

TA TA: Enable this option means turning on TA(traffic announcement).

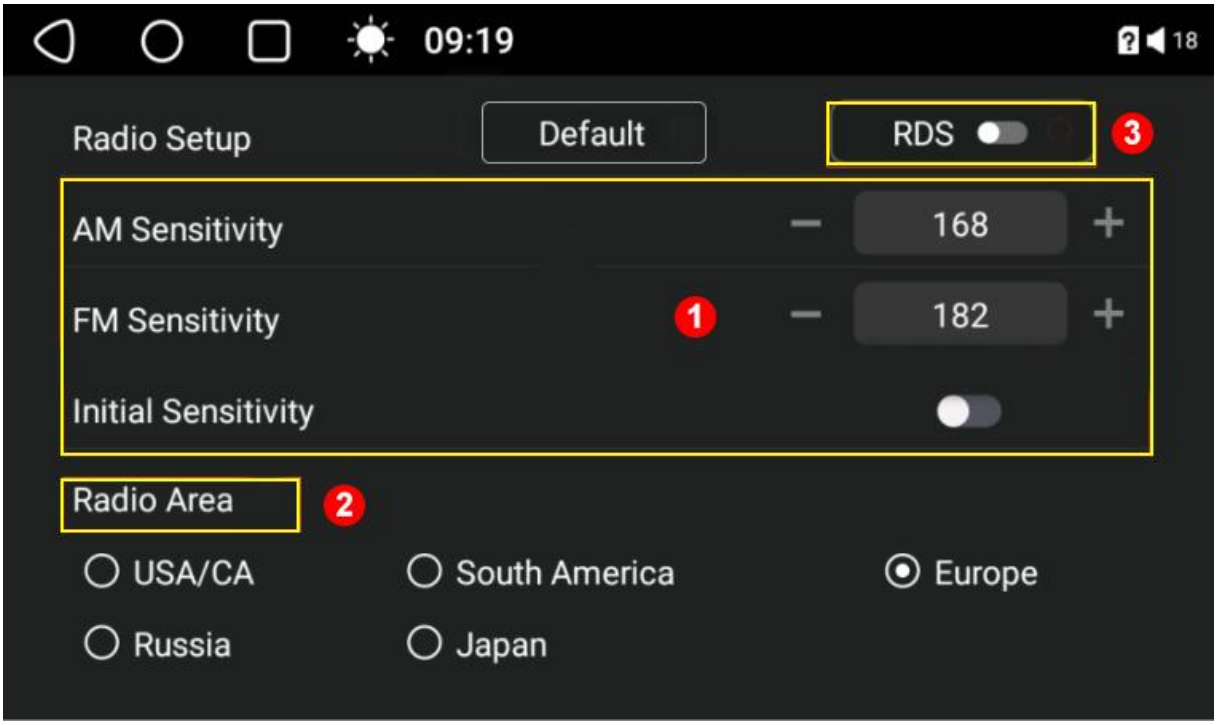
ST: Stereo Channel reception switch.

Touch PTY to display all the preset RDS channels and users can choose any desired channel to search stations by chosen genre.

Touch BAND to shift between FM and AM stations.

6.1Radio Settings

Touch to enter Radio Settings



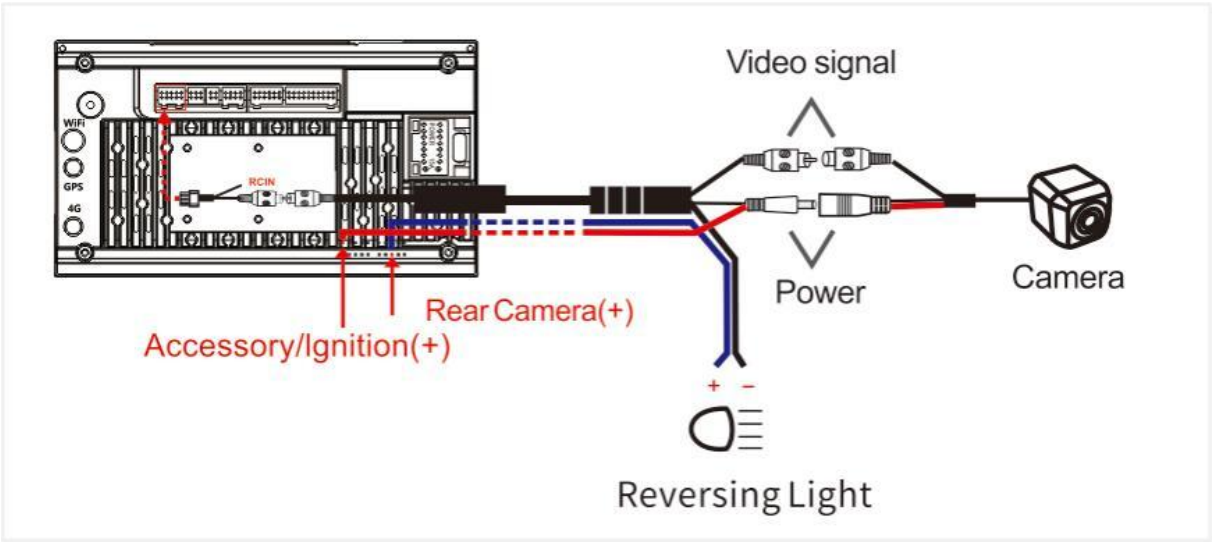
①: Adjust Reception Sensitivity: Use the default sensitivity for everyday use. Switch to <Manual> if you're receiving too few stations or poor quality audio, but beware of too many low-quality stations.

②:Select Your Radio Area: Ensure you choose the correct radio area to match your location for optimal station reception. If you reset the device, you'll need to reselect your area manually to ensure proper functionality.

Area	FM range(MHz)	AM range(kHz)	FM step(MHz)	AM step(kHz)
USA/Canada	87.5~ 108	530~ 1720	0.1	10
South America	87.5~ 107.9	530~ 1710	0.2	10
Europe	87.5~ 108	522~ 1620	0.05	9
Russia	87.5~ 108	522~ 1620	0.03	9
Japan	76~ 99	522~ 1629	0.1	9

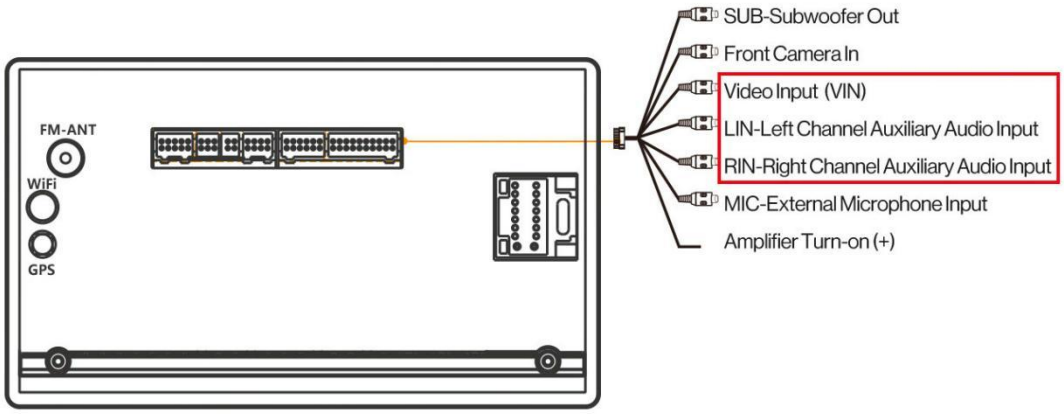
③：RDS RDS Feature: Enable the Radio Data System (RDS) for traffic announcements(TA) and traffic programs(TP). This feature works if local stations broadcast RDS signals; otherwise, standard FM/AM is available.

Remember, the RDS feature does not include Traffic Message Channel (TMC) services, but you can use Google Maps for traffic information.


WiFi
GPS
4G
RCIN
Video signal
Power
Camera
Rear Camera(+)
Accessory/Ignition(+)
+ −
Reversing Light

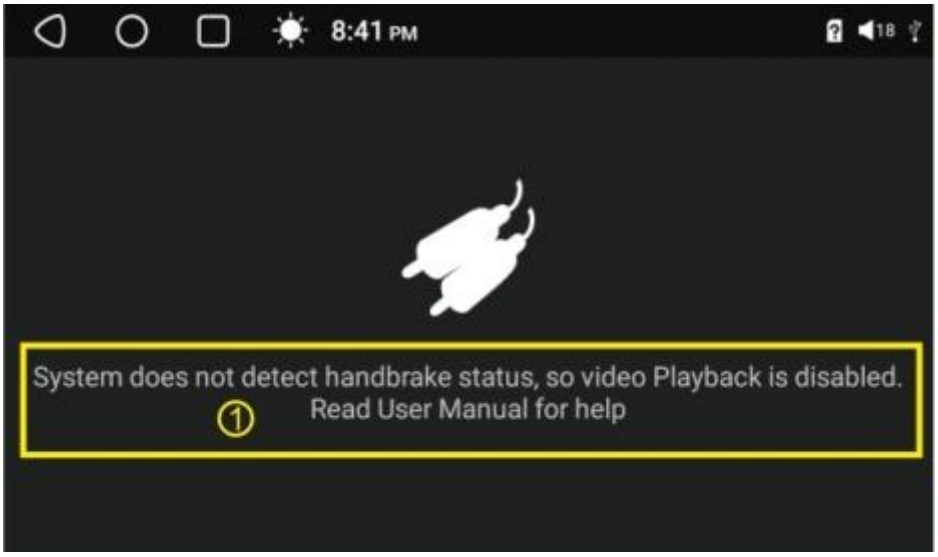
7AUX IN

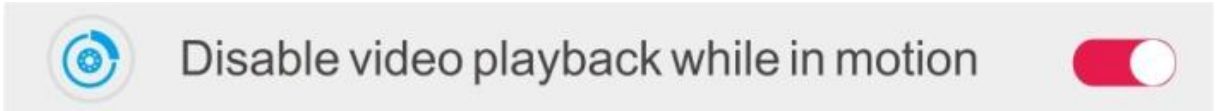
The AUX input on the car stereo allows you to connect devices with RCA jacks to play audio and video through the AUX app.



(Note:The Rear panel varies by model)

Note: AUX video playback is only available when the vehicle is stationary, unless you disable the "Disable video playback while in motion" option in the settings.





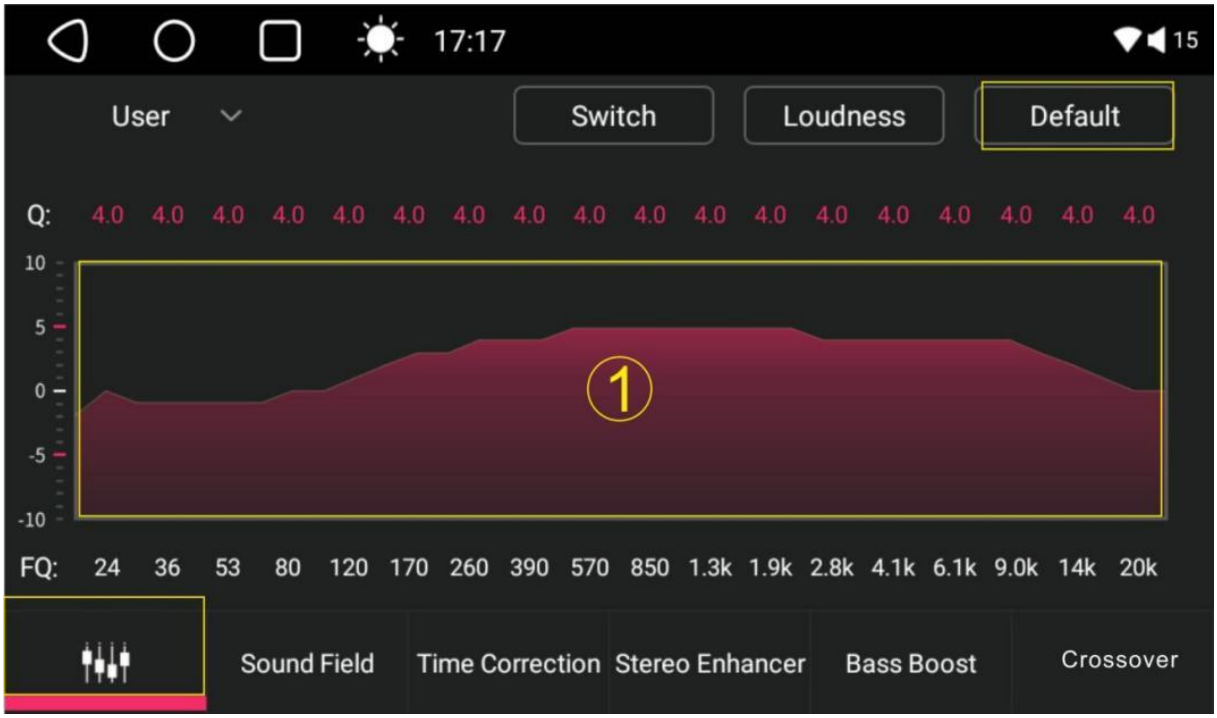
Path: System Settings>General>Disable video playback while in motion

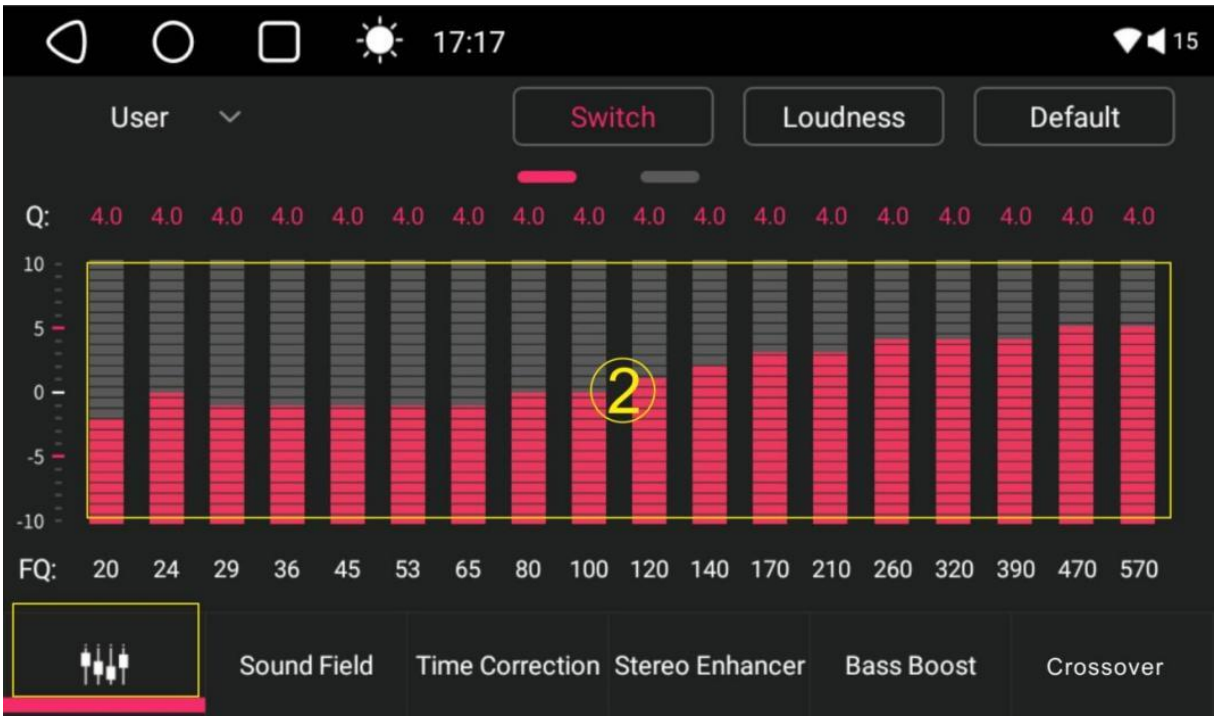
8EQ

8.1Equalizer (EQ) Adjustment:

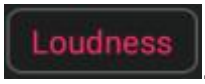
Manual mode available if "User" is selected, allowing custom adjustments. Choose from 9 EQ settings (8 presets + 1 custom).

Switch between two display modes: graph or scroll bars, to adjust frequency bands (20 Hz to 20 kHz, 36 bands total).

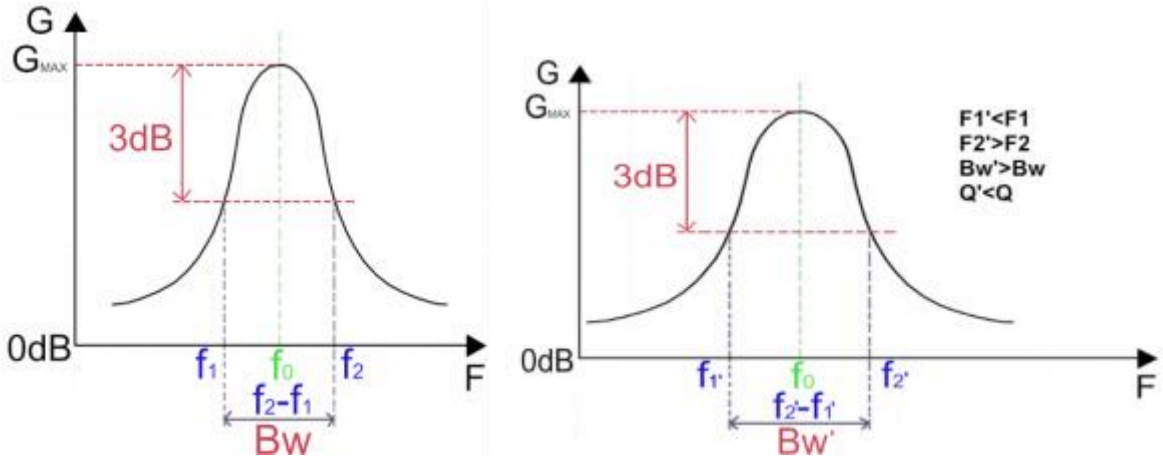




Boost low frequencies for rich sound at lower volumes with the

"Loudness" option 

.Each band slope can be adjusted with the Q factor by touching the Q number.



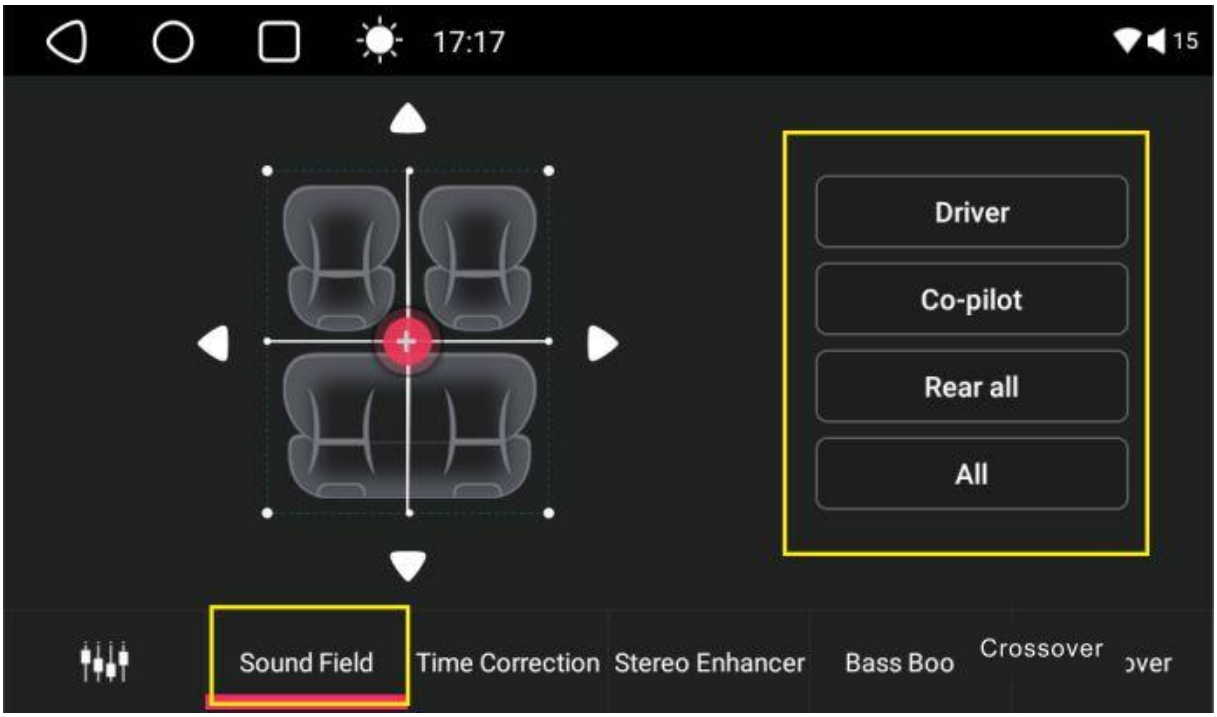
Q=f0/(f2-f1)

The bigger the Q factor is , the smaller the slope; and the band adjustment becomes weaker. Oppositely,

the smaller the Q factor is , the bigger the slope; and the band adjustment becomes more obvious.

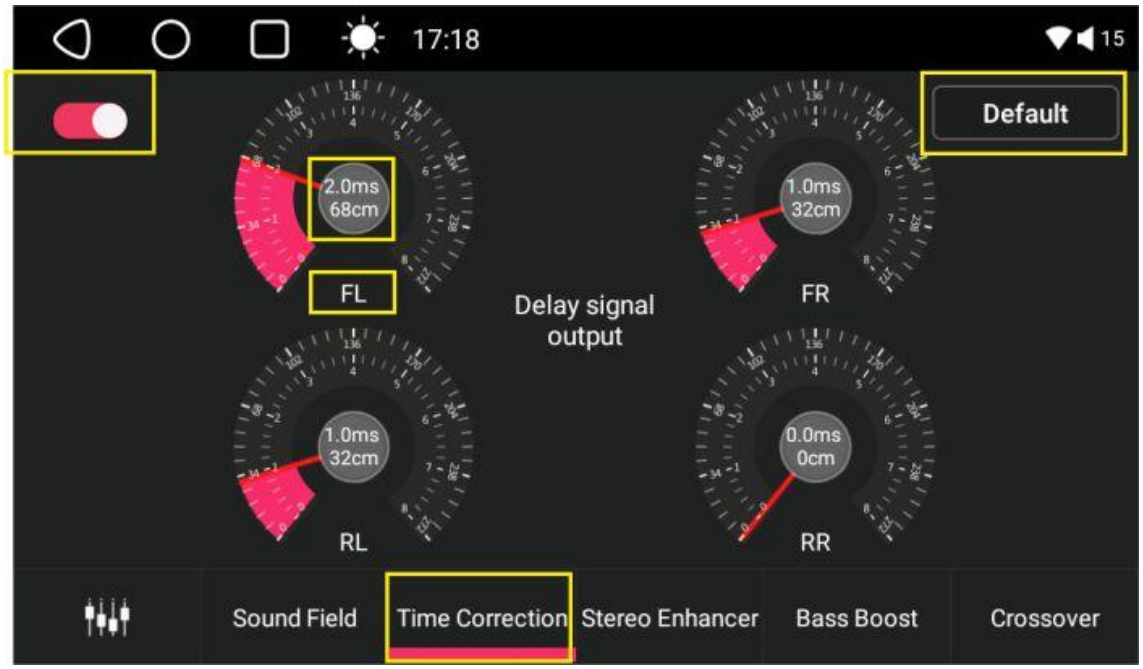
8.2Sound Field (Listening Position)

Select your preferred listening spot from five options or preset positions for optimal audio.



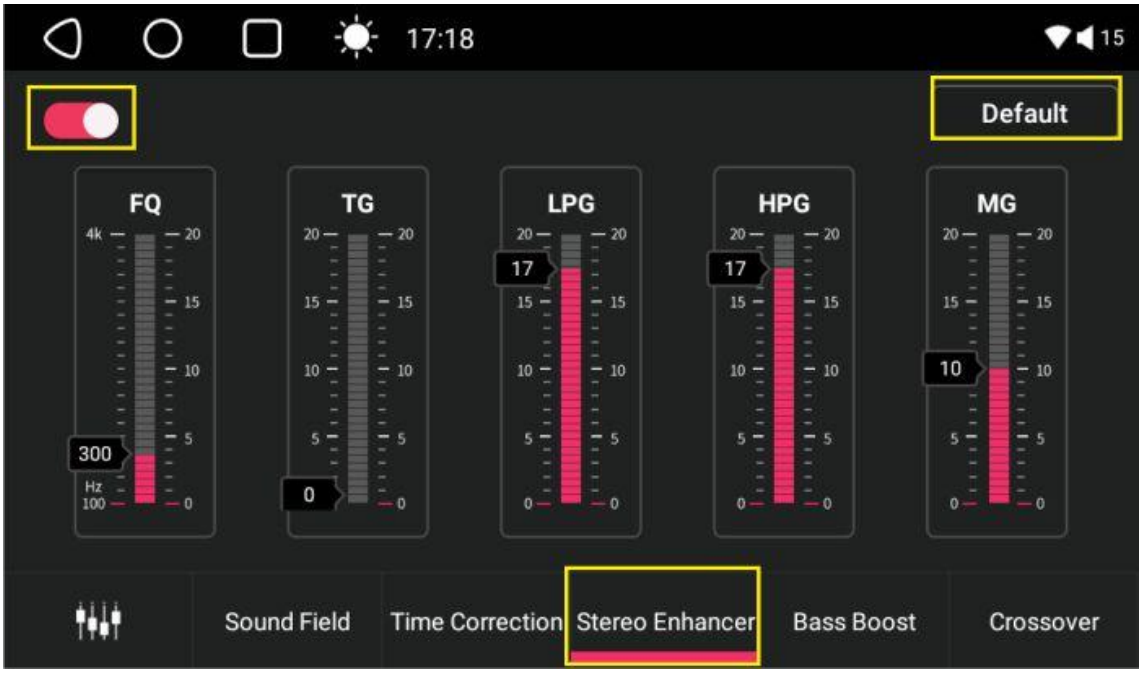
8.3Time Correction

Time Correction in car stereos adjusts the timing of sound coming from each speaker so that all sound reaches your ears at the same time, regardless of how far each speaker is from you, providing balanced audio that centers you in the music. Adjustments range from distance (0-272cm) or time delay (0.0-8msec) of each speaker.



8.4Stereo Enhancer

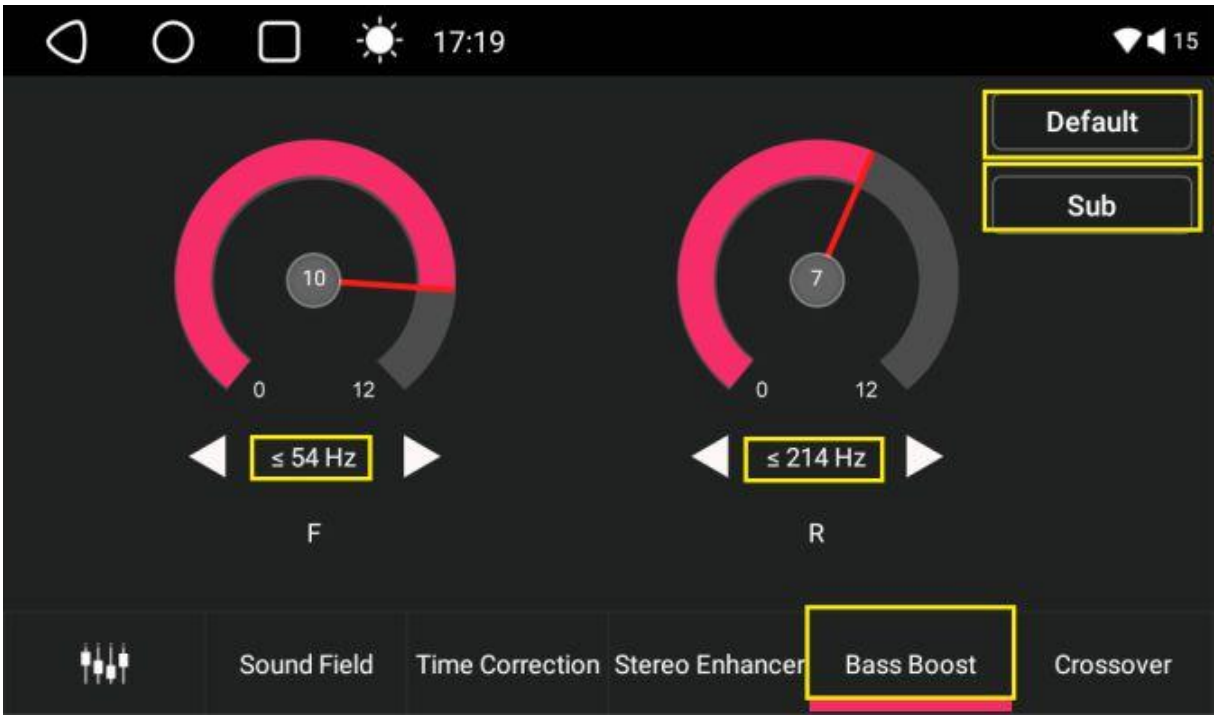
Customize sound effects using sliders for frequency, gain, and mix levels to enhance stereo sound.



FQ = Frequency
TG = Through Gain
LPG = Low Pass Gain
HPG = High Pass Gain
MG = Mixing Gain

8.5Bass Boost

Enhance bass by selecting the frequency range (OFF, ≤54Hz, ≤68, ≤86, ≤108, ≤134, ≤172, ≤214Hz) and adjusting the boost level (0-12). Access subwoofer settings Sub for furthercustomization.

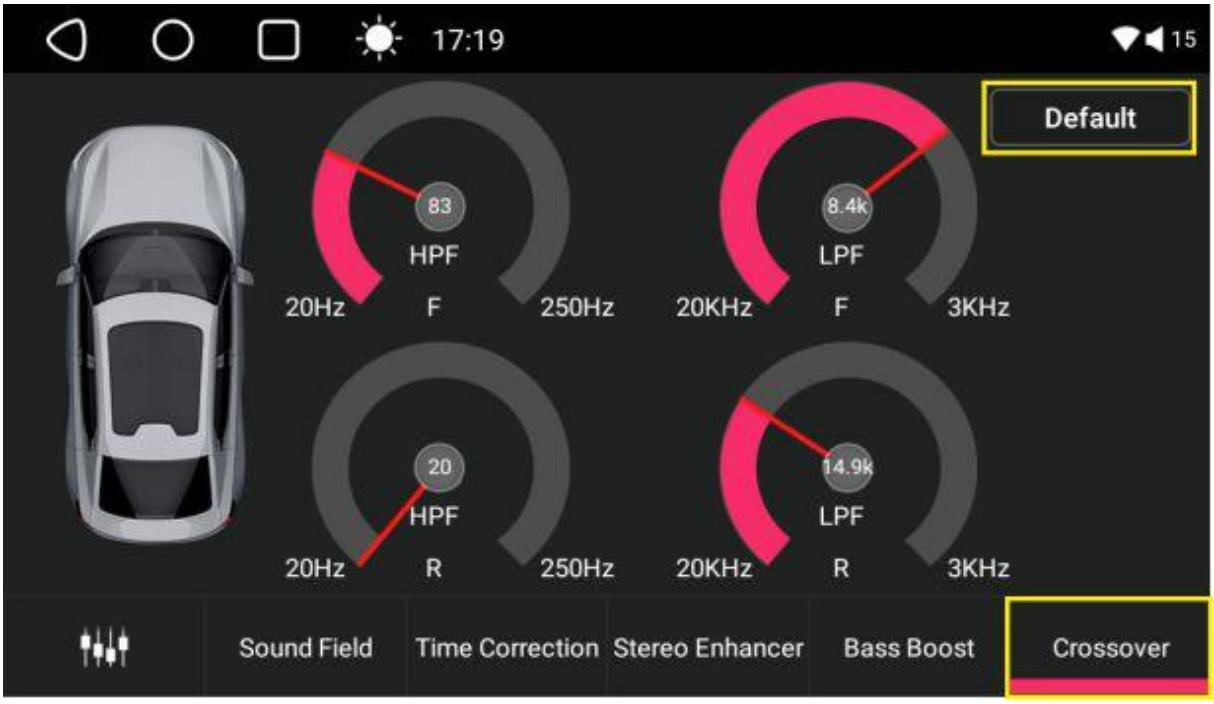


8.6Subwoofer Boost

Adjust the start and enhancement range of the subwoofer frequency. Ensure the selection area is blue (active) for output from the subwoofer.

8.7Crossover

Set crossover points for subwoofer-front and subwoofer-rear speakers using high pass and low pass filters. Select frequencies to enhance or cut off.



Combined with the low pass filter in "Subwoofer Boost ", two high pass filters here enable you to set the crossover point between the subwoofer and the front speakers, and between the subwoofer and the rear speakers respectively. In addition, there are also two low pass filters available, one for the front speakers, and one for the rear speakers.

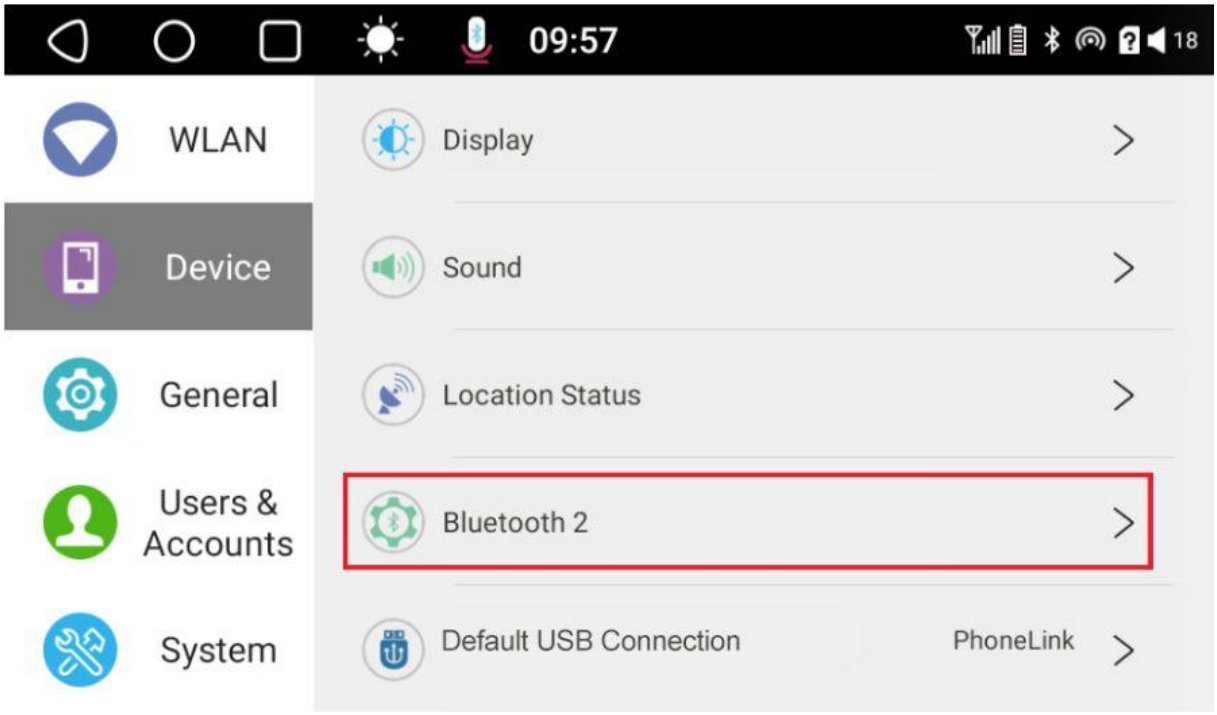
HPF = High Pass Filter
LPF = Low Pass Filter
F = The Front Speaker
R = The Rear Speaker
Turn the pointers to select the frequency range you want to cut off.
Red area: the frequency range that is cut off
Gray area: the frequency range that passes

9Network

Connecting the car stereo to the Internet:

- **WiFi Hotspot**: Use your smartphone or a portable router to create a WiFi hotspot and connect the car stereo. The car stereo detects both 2.4GHznetworks.
- **Bluetooth Tethering**: Enable Bluetooth tethering on your smartphone for a connection.
- **USB Tethering**: Connect your phone to the car stereo with a USB cable and activate EasyConnection (CarbitLink) to share your phone's data.

10BT 2



10.1Bluetooth 2 Functionality

You can also enable internet sharing from your phone to the car stereo via Bluetooth tethering.

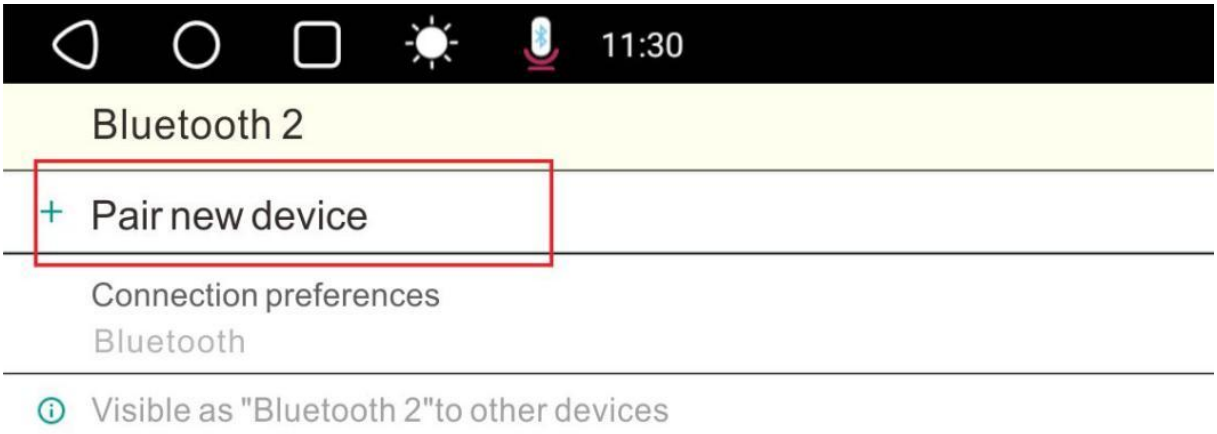
10.2Connecting to Phone Data via Bluetooth Tethering:

10.2.1For Android

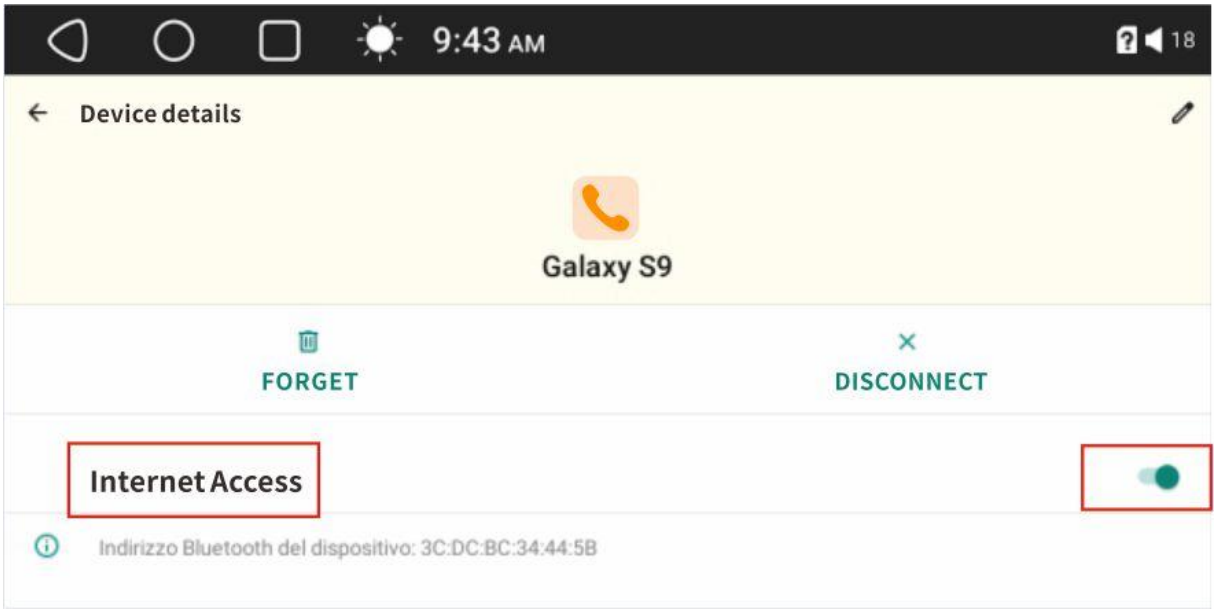
(1) Turn off WiFi on both your smartphone and the car stereo.

(2) On your phone, activate Bluetooth and Bluetooth Tethering (found in Mobile Hotspot and Tethering settings), along with cellular data.

(3) On the car stereo, search for new Bluetooth devices and pair with your smartphone.



(4) Once connected, select your phone from the connected devices list and enable "Internet access" in Bluetooth settings.

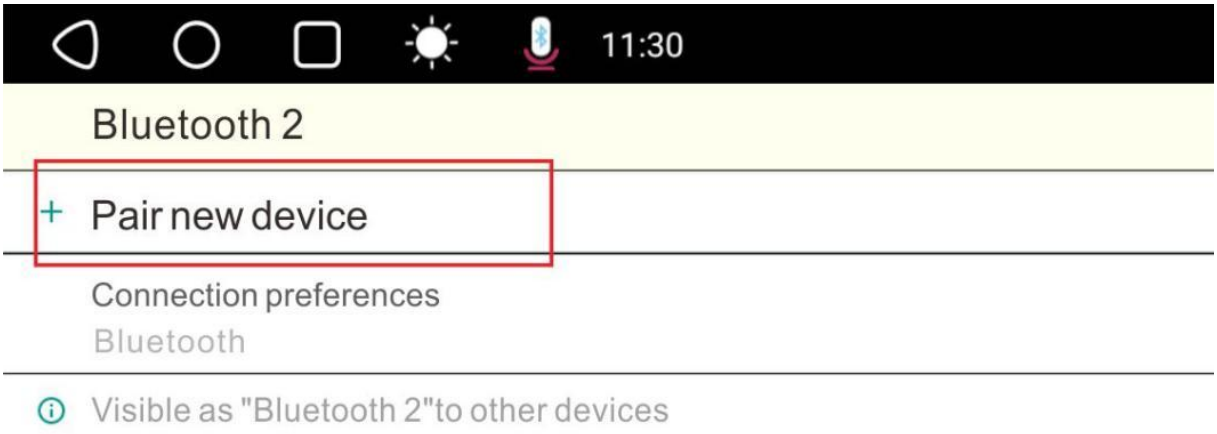


(5) Test the connection by opening a website in the car stereo's Chrome Browser.

10.2.2.For iOS

(1) Activate Bluetooth, Personal Hotspot, and cellular data on your iPhone.

(2) On the car stereo, find and pair with your iPhone under Bluetooth settings.



(3) In the connected devices list, select your iPhone and enable "Internet access" in Bluetooth settings.

Important Notices:(1) Connection status may fluctuate, but as long as internet access persists, the tethering is functional.

Some apps may not recognize the Bluetooth tethering connection; consult app developers for support.

11TrackHU

TrackHU is designed to simplify the way you locate your car. It enables real-time tracking on a map, setting alerts and geofences, accessing analytics and historical data about speed and distance, providing 24/7 vehicle security. Activate it by enabling GPS and network on the car stereo and scanning the head unit's QR code to access the **TrackHU Manager** for comprehensive tracking information.

Note:

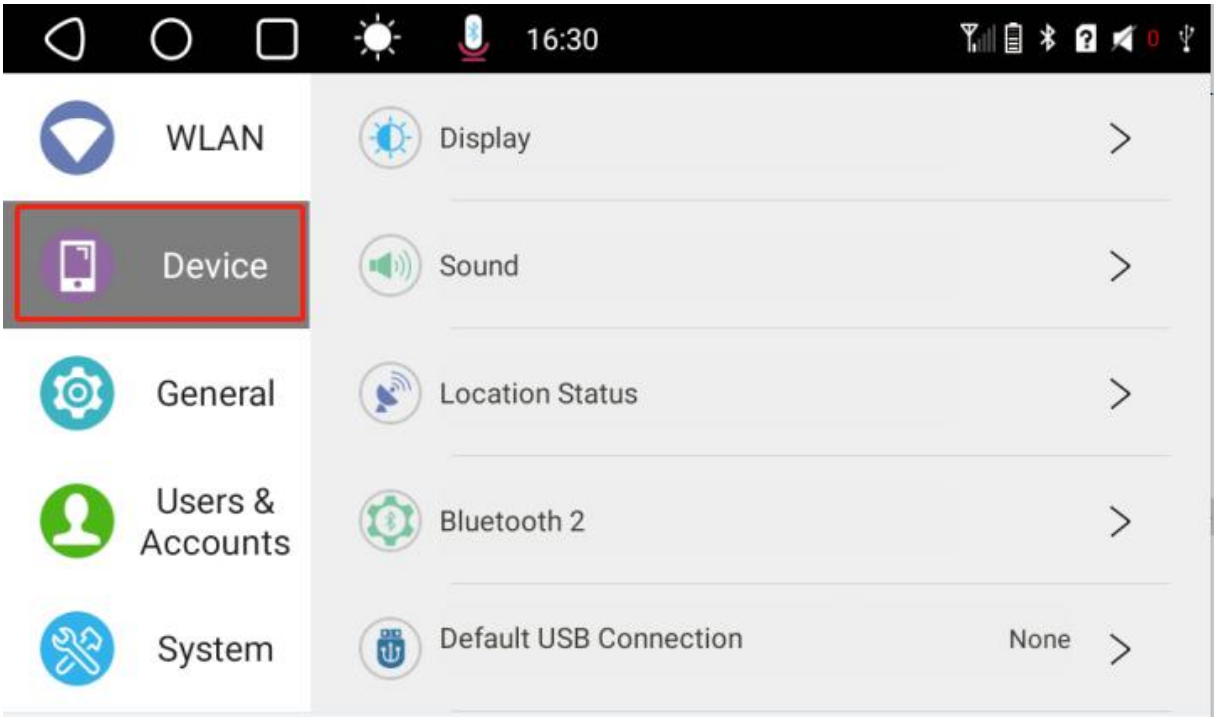
1. Ensure your car stereo's both GPS and network are enabled to receive notifications via email and to access tracking data in the TrackHU Manager APP or website.
2. If your car stereo loses internet connectivity, the tracking data will be stored locally and automatically uploaded to the server once the connection is restored.
3. TrackHU is in beta and subject to updates. Always refer to the car stereo and mobile interface for the latest instructions.

How to add the car stereo as a device to be tracked in the TrackHU?

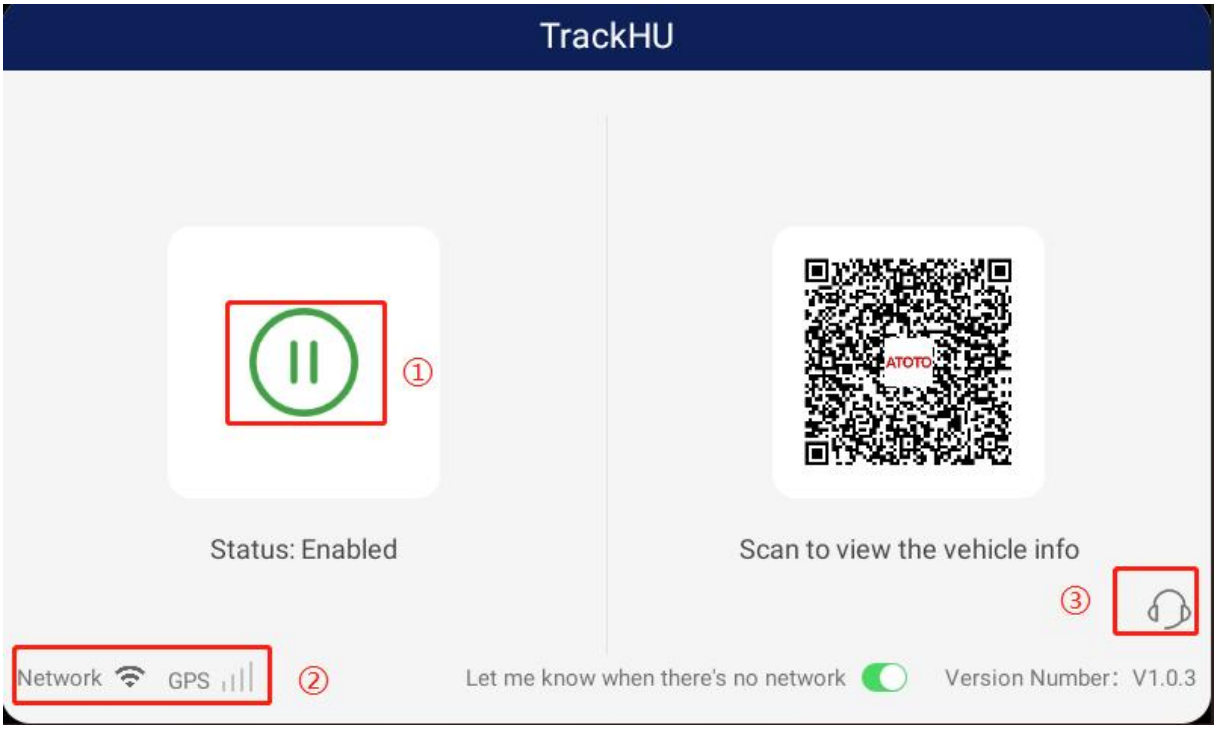
Step 1: Have the car stereo access the internet. And make sure the location of the car stereo is enabled following the path "Settings>Users & Accounts> Location".

Step 2: Go to "Settings>Device", and tap "Device" 4 times in quick succession. A prompt will appear on the interface, indicating that the TrackHU APP logo is visible in the app list. No prompt means system update is needed.

Note: The TrackHU APP icon is hidden by default to protect users' privacy. You can tap "Device" 4 times in quick succession again to make the APP invisible.

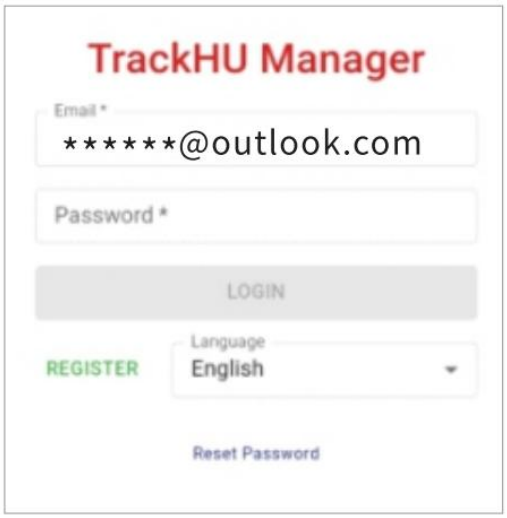


Step 3: Enter TrackHU APP. Tap the button ① to enable TrackHU. You will see the network and GPS status at the left corner ② and give us some suggestions by tapping ③.

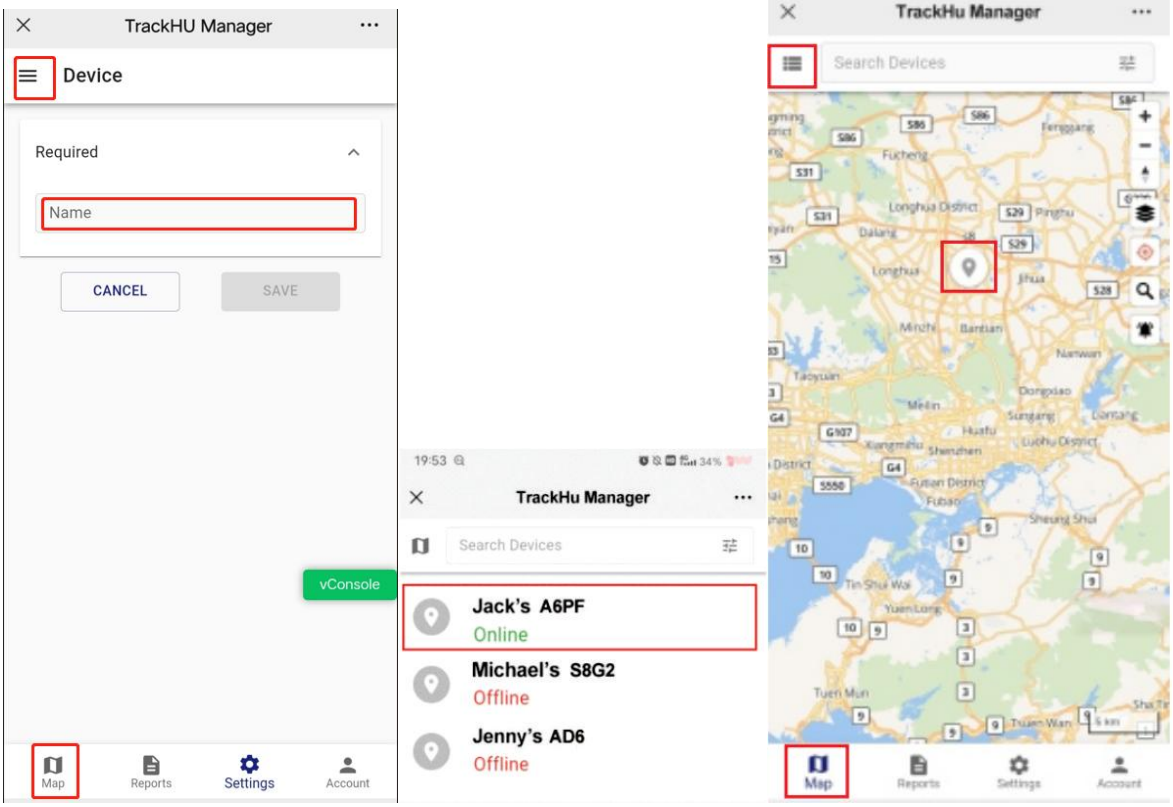


Step 4: Scan the QR code to enter the TrackHU Manager website on the phone. The QR code will be expired in 5 minutes and you can refresh the QR code by tapping the <Refresh> button or exiting the TrackHU and entering again.

Step 5: Register with your email address on the TrackHU Manager website and log in.



Step 6: You can give a name to the car stereo and after that tap the map button Map and then ☰ to view the named device such as Jack's A6G209PF. When you see the named device is in the "online" status in seconds, tap the device name to see the car stereo's location , past route, and more information.

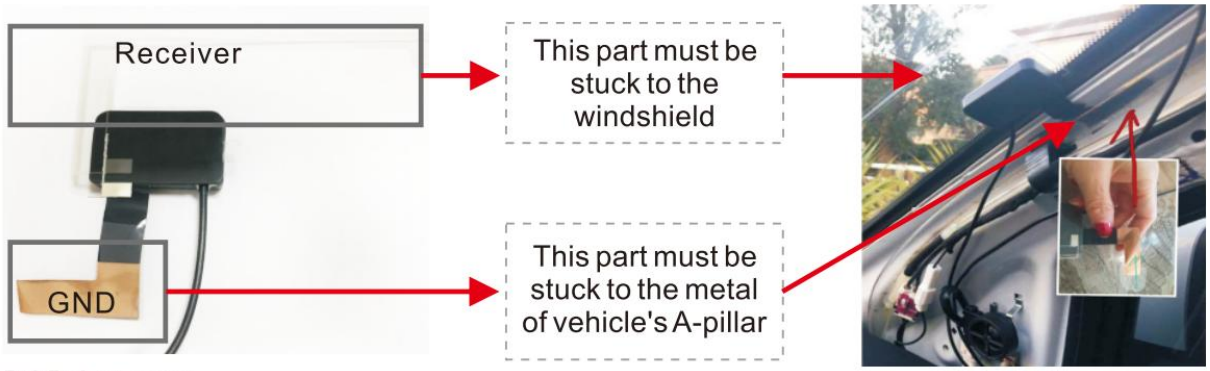


12DAB+

Installation:

1. Install the DAB+ app in the Android car stereo.

2. Connect the DAB+ box to any USB port of the unit (except quick charge USB port) and install the DAB+ antenna as suggested way.



DAB Antenna

USB DAB+ Box:

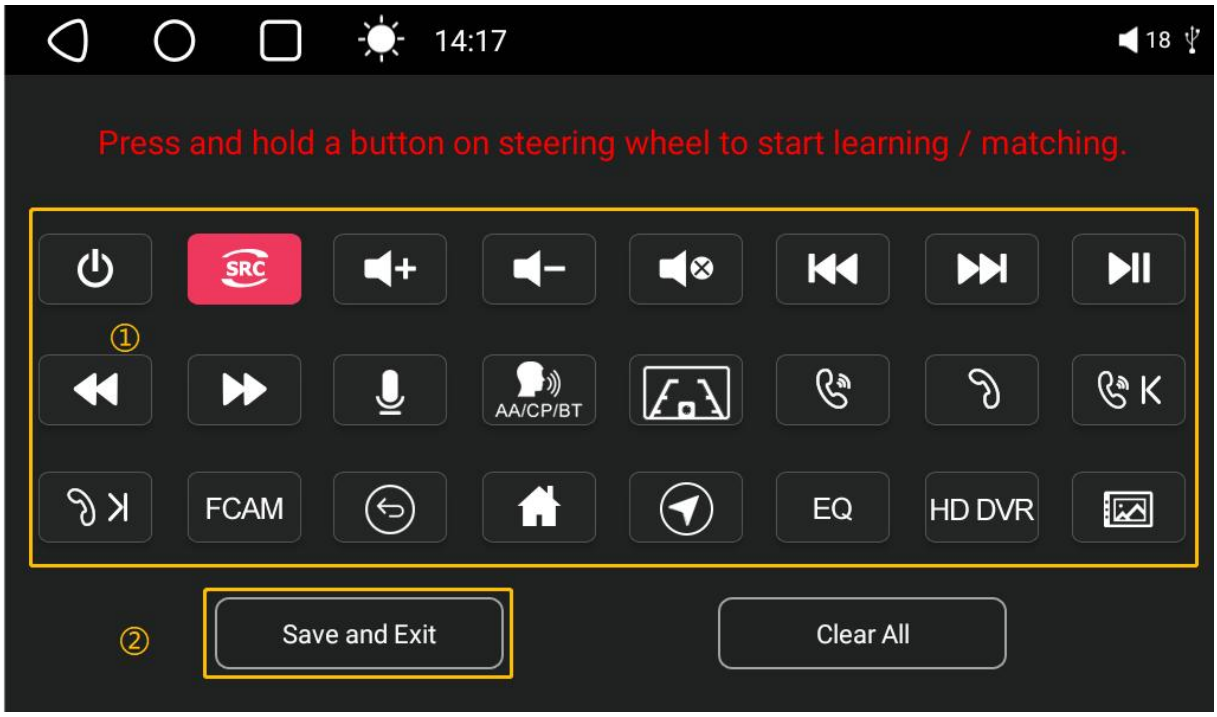
Connect to the USB port:

Note:

•This function is only available in Europe, Australia, and the UK, not available in other areas.

•AC-4475 DAB+ receiver needed and sold separately.

13SWC



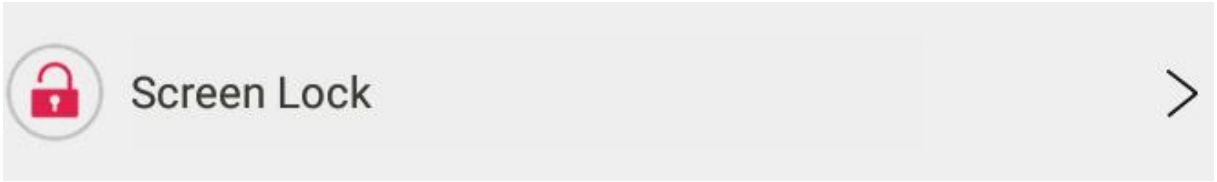
Step 1: Hold a steering wheel button and simultaneously tap the desired function on menu ① until it turns red to start mapping. Repeat this process for the remaining keys.Step 2: Touch <Save and exit> ② to save settings.

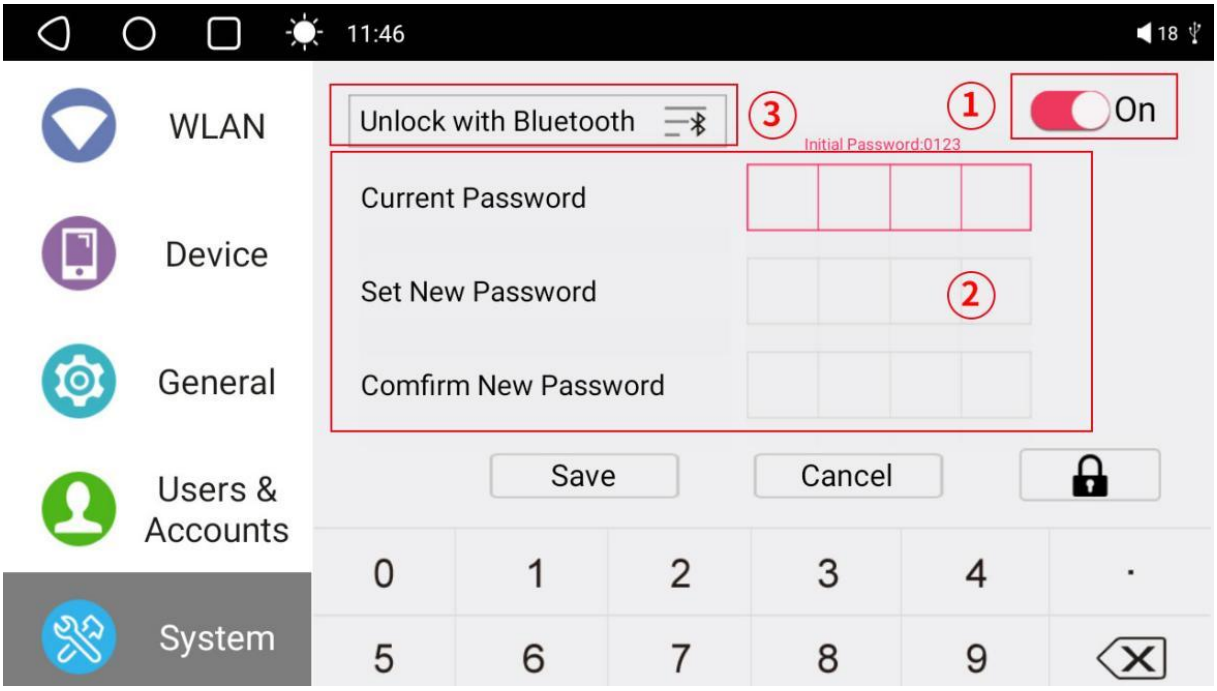
Note:

This feature needs your car to have steering wheel audio controls (SWC) that use resistive analog signals. If your car uses digital CANBUS signals, you can still keep SWC by getting a digital-to-resistive converter from a third-party supplier.

14Screen Lock

Go to System Settings > System > Screen Lock and click ① for Screen Lock & Bluetooth Unlock settings.





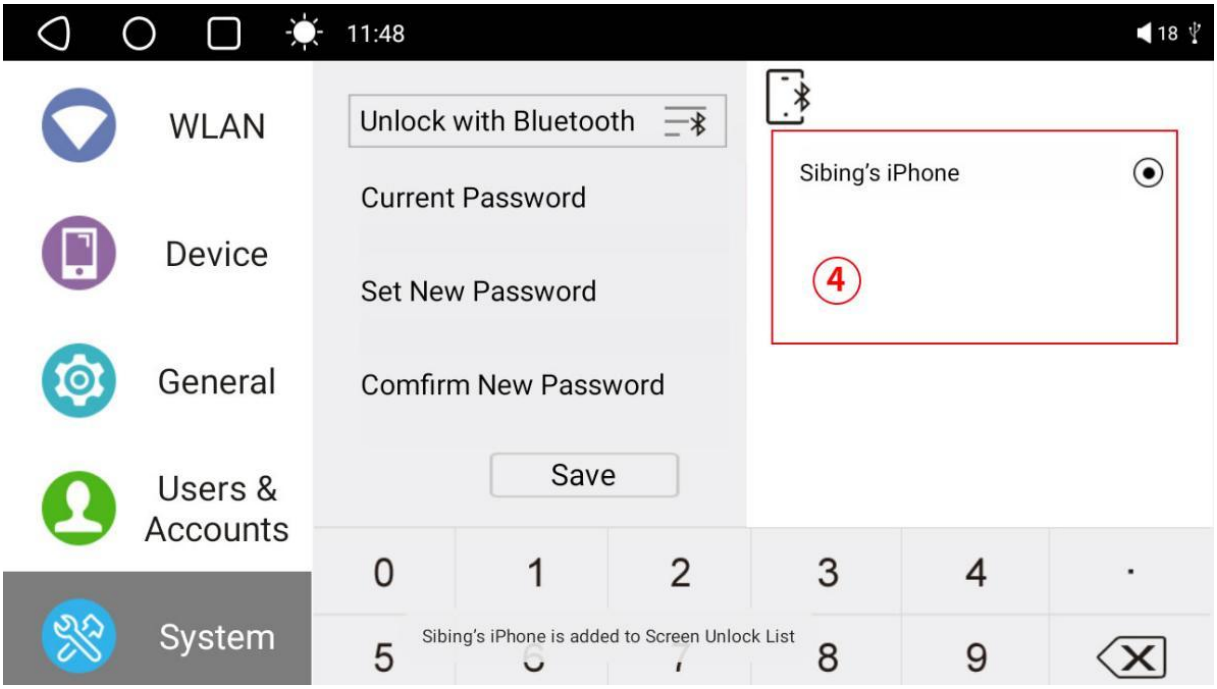
There are two ways to lock/unlock the screen:

1. Password: Set a password ② and use it to unlock. Initial password is 0123.

2. Bluetooth:

- Click <Unlock with Bluetooth>③ to see paired phones ④.

- Add a phone from the list for Bluetooth unlock. If this phone connects to Bluetooth 1, it unlocks the screen in 1-2 seconds. Multiple phones can be added for this function.


11:48
18
WLAN
Device
General
Users & Accounts
System
Unlock with Bluetooth
Current Password
Set New Password
Comfirm New Password
Save
Sibing's iPhone
4
0
1
2
3
4
.
5
8
9
Sibing's iPhone is added to Screen Unlock List

15Fast Boot

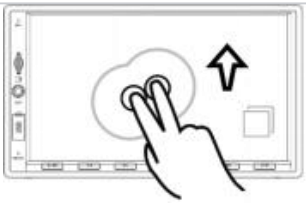
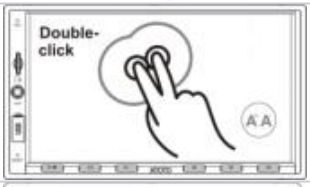
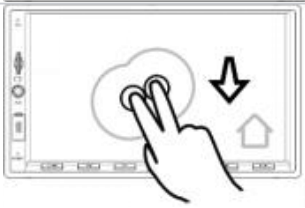
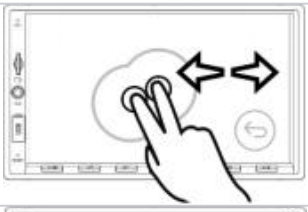
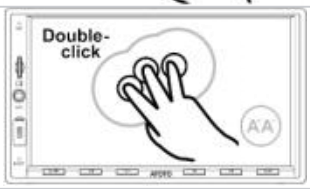
How Fast Boot Works:

The Fast Boot function allows the system to enter a low-power sleep mode, shutting down all programs about 5 minutes after the engine is turned off and the key is removed (or the driver's door is opened, depending on the car). This enables the system to wake up in under 2 seconds upon the next car start with the ACC power signal. It maintains this with less than 10mA, allowing a typical car battery to last 160-250 days in this mode. However, the system is programmed to fully power off if it remains in sleep mode for more than 168 hours (7 days) to save battery, consuming only 2.5%-4% of the battery's capacity if left unused. Daily driving recharges the battery, preventing automatic shutdown. After parking for over 7 days, system startup will take 20-25 seconds. This technology is proven reliable by over 100,000 users.

Cautions for Fast Boot:

To ensure Fast Boot functions correctly, it's crucial to wire the <12v Ignition/ACC> and <12v Constant Power/Battery> correctly in the power harness. Incorrect wiring may prevent the system from entering sleep mode, leaving the screen on, or interrupt the hibernation process, leading to a 20-30 second restart time.

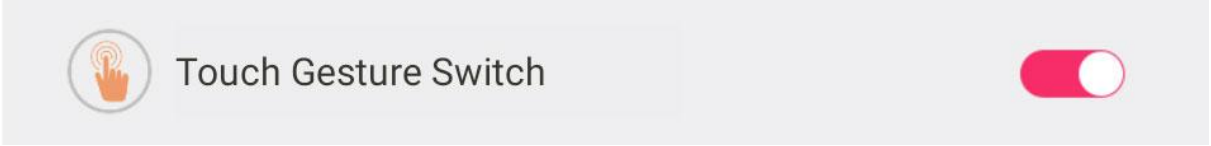
16Touch Gesture

	Two-finger scroll-up: To enter multi-task menu
	Two-finger Tap: To open preset EQ and allow users to shift EQ mode among preset 9 EQ modes.
	Two-finger scroll-down: To enter main menu (Home)
	Two-finger scroll: To go back to the previous menu
	Three-finger tap: To shift font size among small,middle and large(On some apps it doesn’t work).
	Three-finger scroll:To adjust screen brightness.

Attention:

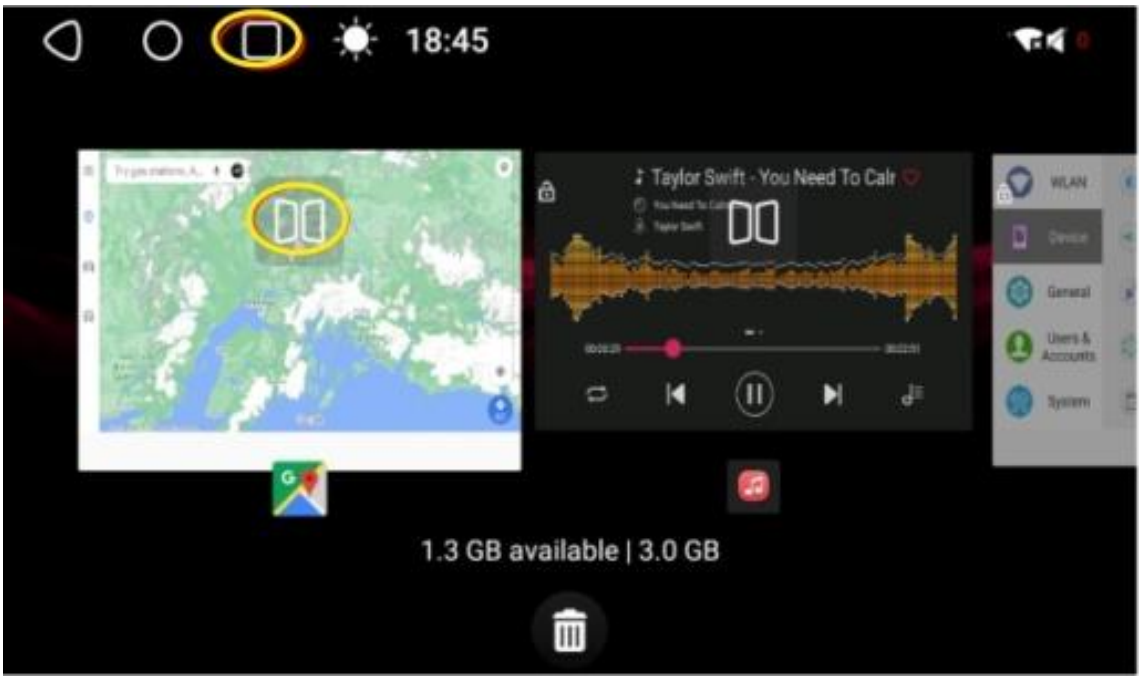
(1) Touch screen gesture may fail to respond on some apps such as map;

(2) Enable/disable Touch screen Gesture feature in system settings

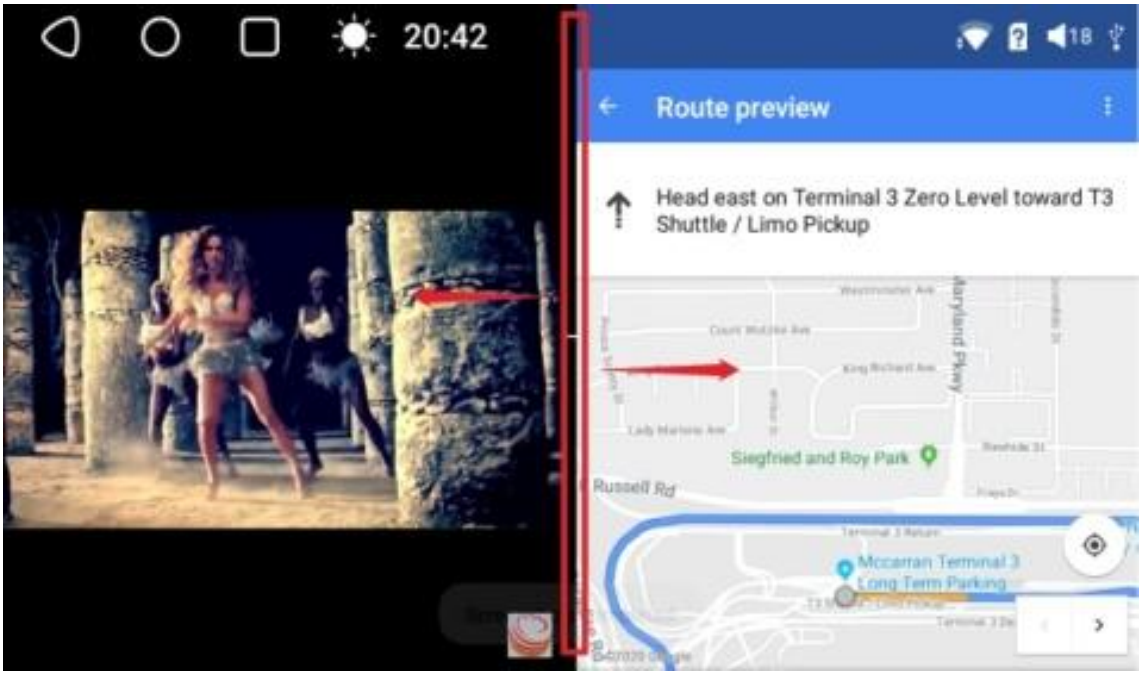


(Path: System Settings>General>Touch Gesture Switch)

17Split Screen

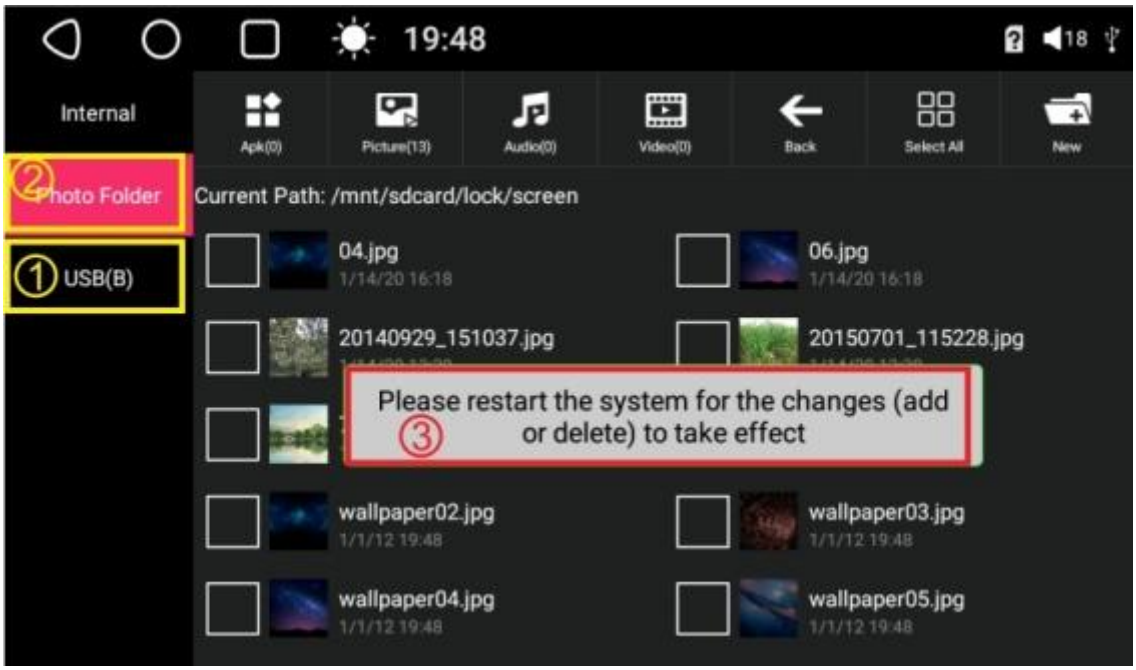


Step 1: Click ▣ in to enter into background appsStep 2: Find the desired app and then click 🕮 to let it run on the left, and choose another it run on the right window.



Step 3: Scroll left or right to a single-window display.

18Gallery



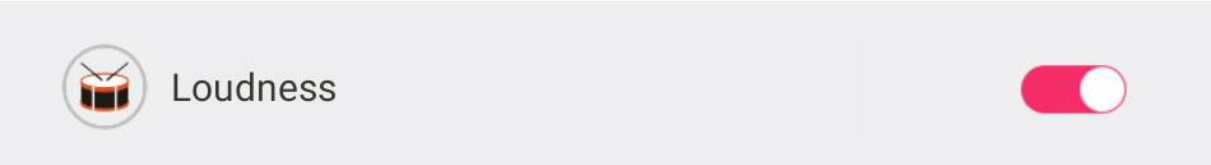
1. Move your favorite photos to <Photo Folder> via an external storage device using the File Manager app.
2. System Restart: For photo updates to take effect, restart the system by selecting <Reboot> from the drop-down menu.
3. Activate Gallery Playback: Open the Gallery from the drop-down menu to start the playback function in standby mode.

Quick Access Tip: Assign the steering wheel audio key for immediate access to the Gallery Playback function.

19Settings

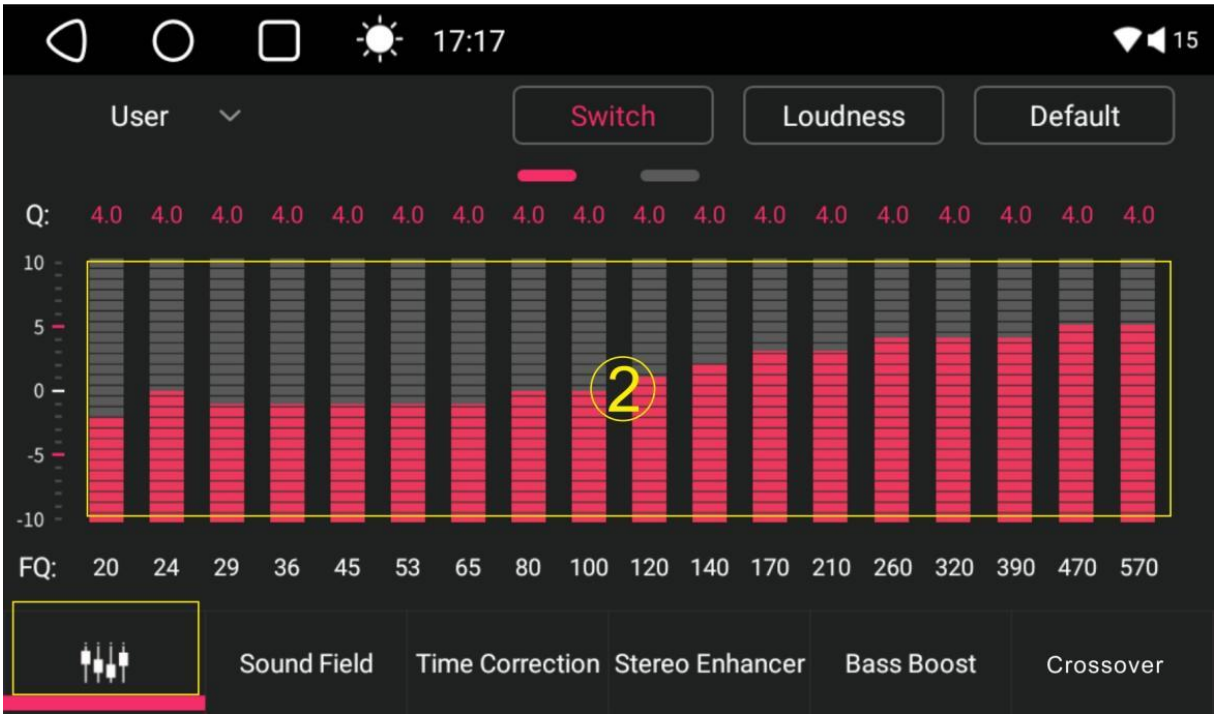
19.1Part 1: Audio Related Settings

19.1.1Loudness Switch

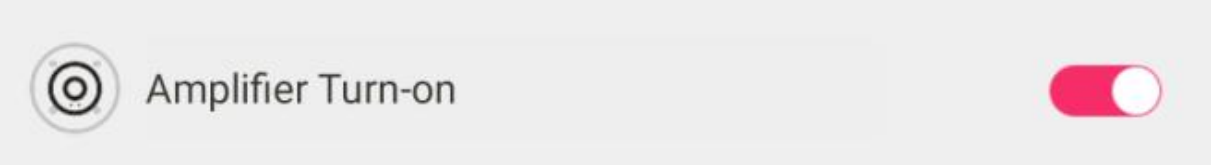


Path: System Settings>Device > Loudness

Enable or disable <Loudness> feature in EQ



19.1.2Amplifier Turn-on Switch



Path: System Settings>Device >Amplifier Turn-on

This option is to turn on or off a vehicle amplifier (if applicable), when the cable which is labeled as <Amplifier turn-on> on the rear of the car stereo is connected.

19.1.3Speed compensated Volume

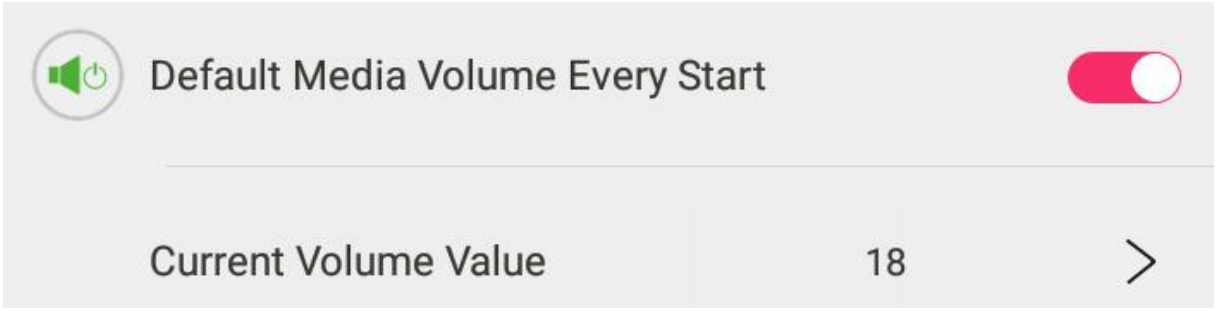
Path: System Settings>Device >Speed compensated Volume

You can turn it on and choose a compensated volume level among “Low” “Medium” ”High” or just turn it off.

The theory of this function is to use the GPS data collected by the car radio to calculate the speed of the car and to intelligently adjust the system volume of the car radio according to the current speed and current audio volume.

The GPS data collected might be delayed or deviated due to the influence of the environment (such as in the tunnel） or other unknown factors. Therefore, the volume adjustment sometimes may have detention and inaccuracy. If you don't want to use this function, please turn it off.

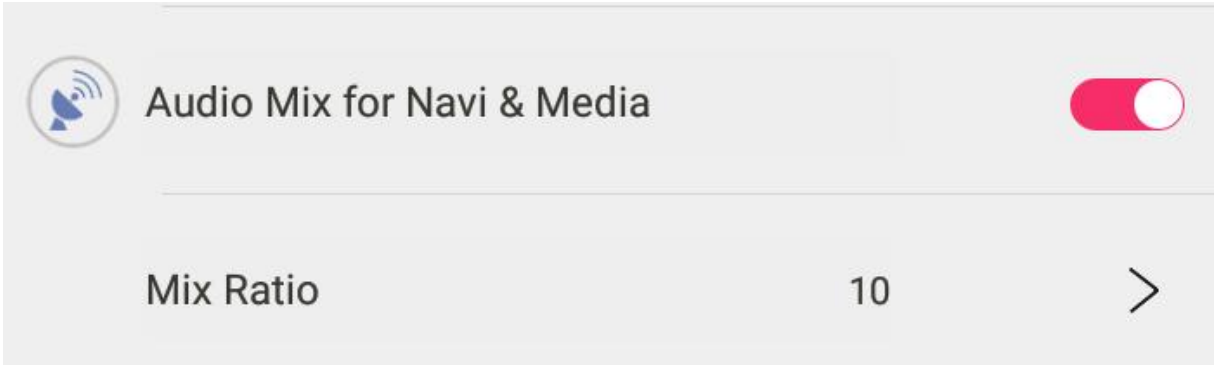
19.1.4Default Media Volume Every Start



Path: System Settings>General>Default Media Volume Every Start

Enable this option to customize default audio volume when ATOTO the car stereo boots up. After turning this option off, you may experience uncomfortably loud sounds that were set last time.

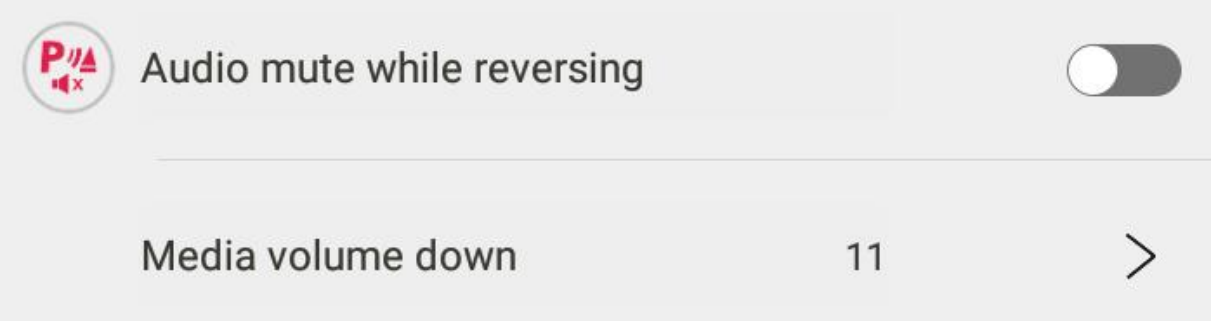
19.1.5Audio Mix for Navi & Media



Path: System Settings>General> Audio Mix for Navi & Media

Enable this option to customize the audio volume ratio of Media & Navigation Prompts.

19.1.6Audio Mute while reversing vehicle

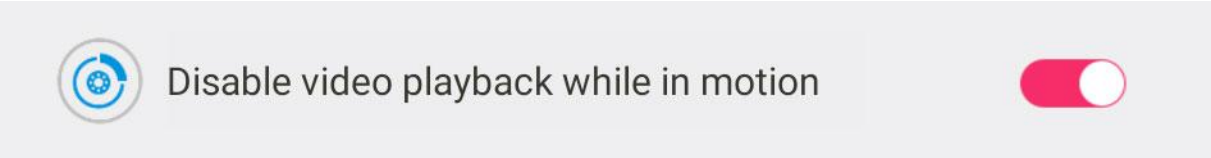


Path: System Settings>General> Audio Mute while reversing

Enable this option to mute the media volume or just decrease it to specified value when you back a car.

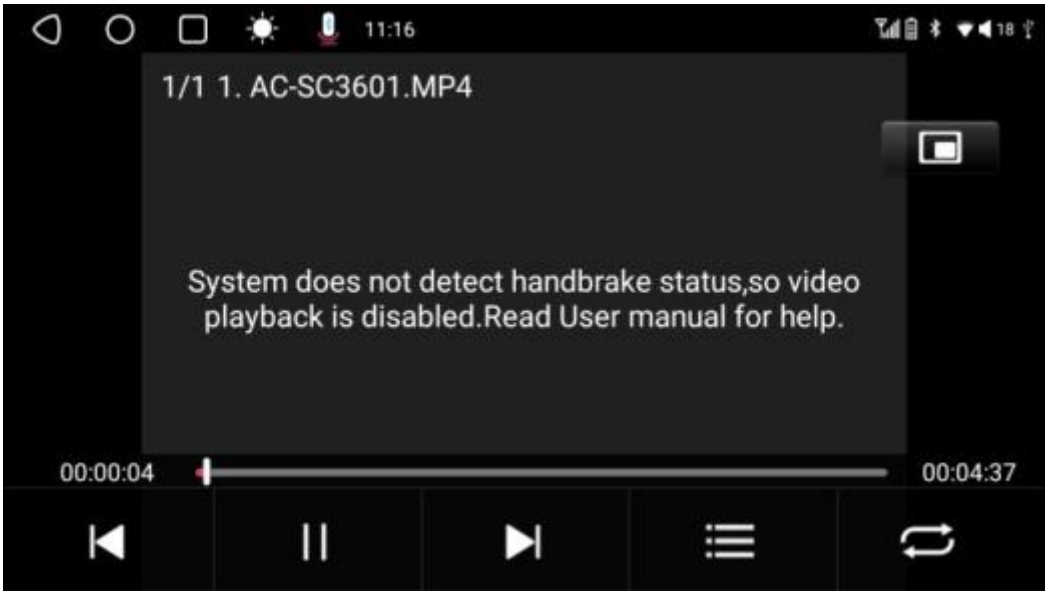
19.2Part 2: Non-audio Related Settings

19.2.1Disable video playback while in motion

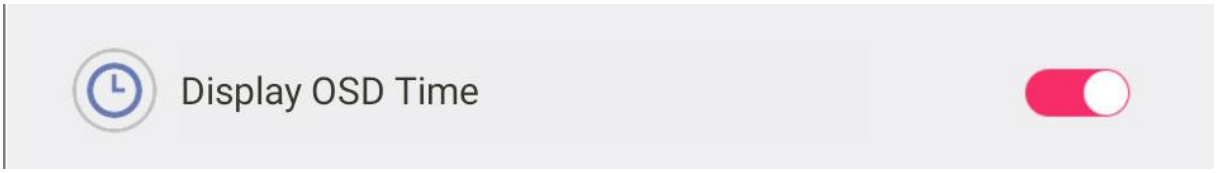


Path: System Settings>General>Disable video playback while in motion

To ensure safety, video playback is disabled while driving. The ATOTO car stereo includes a <Parking Brake> cable to monitor your vehicle's hand brake status. Connect this cable as instructed. Once connected and activated, a notice will appear if you attempt to watch videos while the vehicle is in motion, disappearing only when the vehicle is parked and the hand brake is engaged.



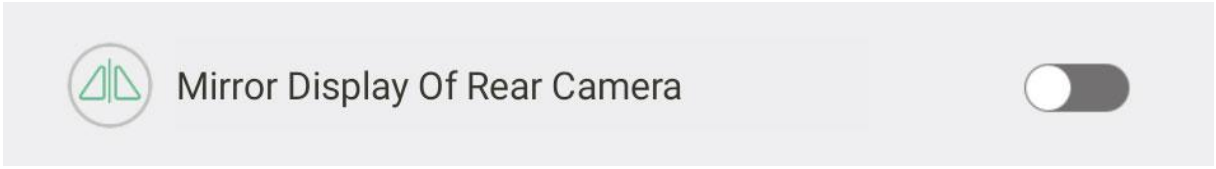
19.2.2Display OSD Time



Path: System Settings>General>Display OSD Time

Enable this option to display system time on the video playback screen.

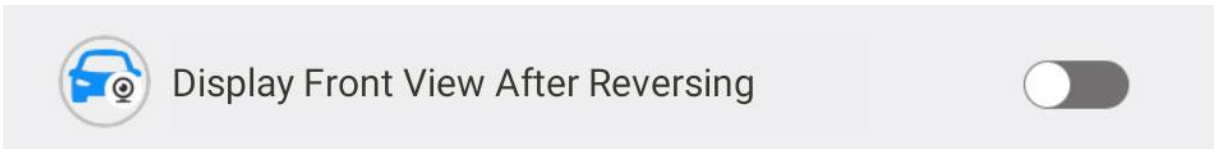
19.2.3Mirror Display of Rear Camera



Path: Settings > General>Mirror Display of Rear Camera

To correct a reversed rear view display.

19.2.4Display Front View After Reversing



Path: System Settings>General>Display Front View After Reversing

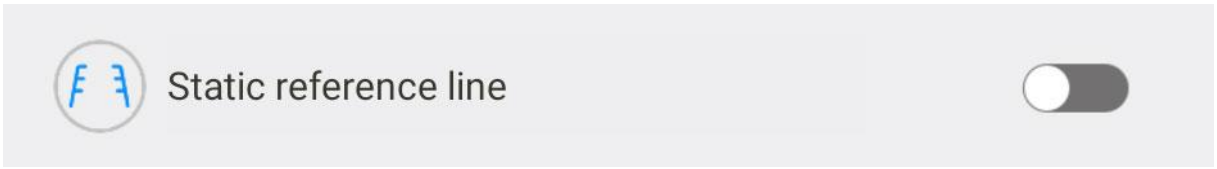
Enable this option will let the system display video provided by the FCAM app automatically once you exit from reverse gear. This requires ATOTO the car stereo to also connect to a front view camera.

19.2.5Rear Camera Guide Line Switch

Path: System Settings>General>Rear Camera Guide Line Switch

Enable this option to add guidelines on the screen when rear camera images display. It is applicable to rear camera that does not have guidelines on the display;

19.2.6Static Reference Line

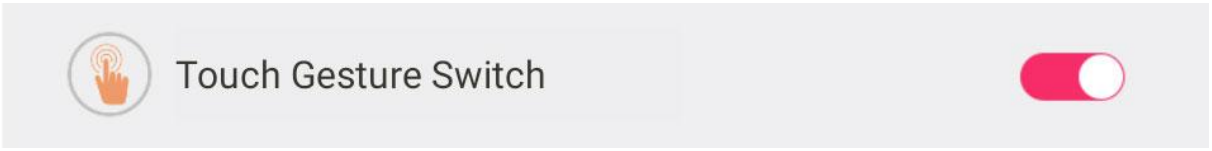


Path: System Settings>General>Static Reference Line

If enabled, the dynamic guide line will be shifted to static.

Note: This option only works with selected the car stereo models that fit for specific Volkswagen.

19.2.7Touch Gesture Switch

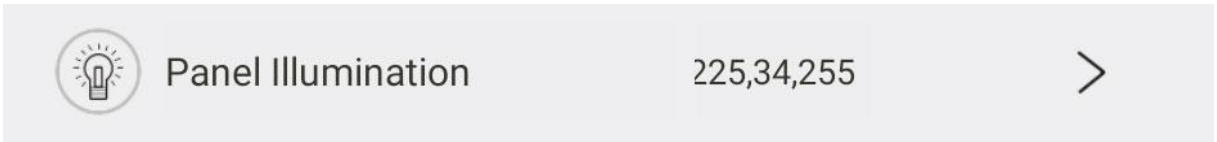


Path: System Settings>General>Touch Gesture Switch

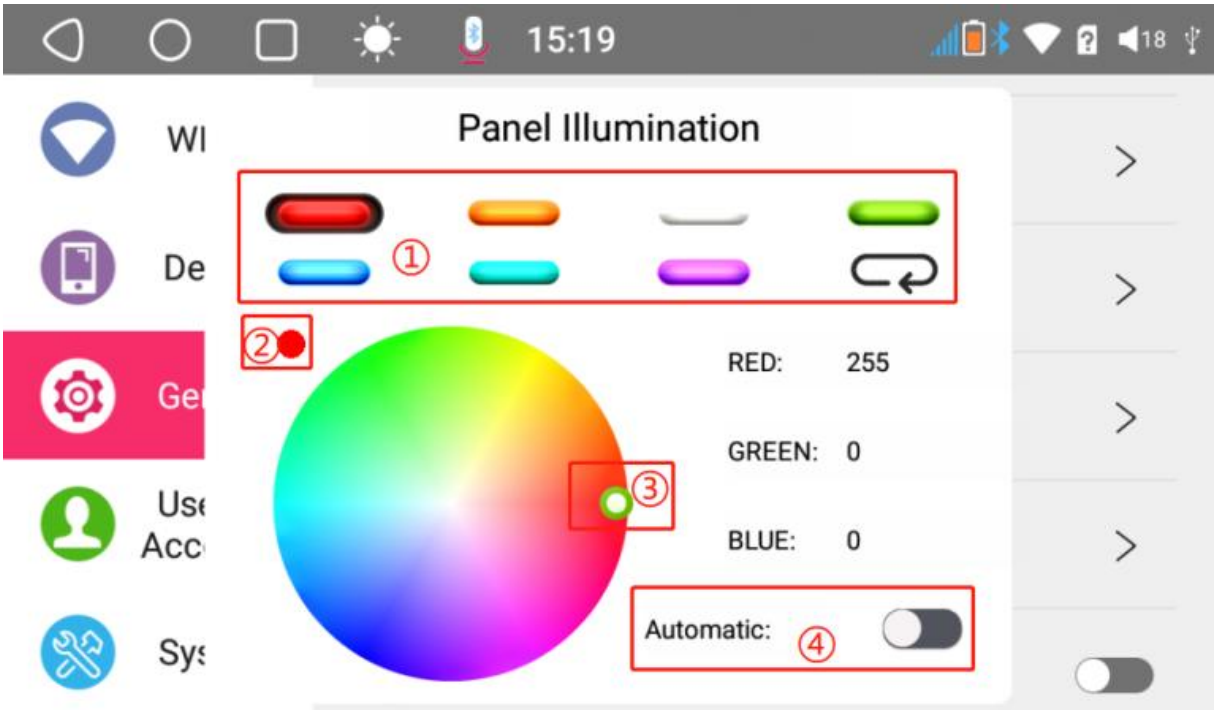
Touch screen gesture is a set of gestures to help users operate conveniently on the multi-touch screen.

Enable this option to experience feature. Disable it if you do not want to use this function.

19.2.8Panel Illumination settings



Path: System Settings>General>Panel Illumination

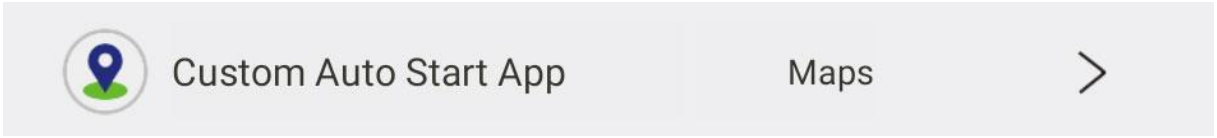


Use this option to set the lighting color of the button on the the car stereo panel

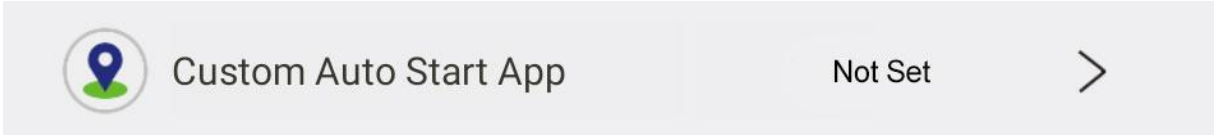
(1) . Enable ④ to shift gradually between the preset colors in sequence;

(2) . Disable ④ to customize the illumination color.

I Auto Start Switch & Custom Auto Start APP



Path: Settings>General>Auto Start Switch



Path: Settings>General>Custom Auto Start App

Choose an app to open automatically every time you start your car stereo. Just turn on the <Auto Start Switch> in settings and pick your app in <Custom Auto Start App>.

20Specifications

Operating System	ATOTO AICE UI 11.0 (Based on Android 10)	
SOC chipset	CPU: UIS9863 Octa-Core 1.6GHz (ARM Cortext A55);	
	GPU: PowerVR GE8322	
3D Graphics	Dual-core ARM Mali G52 614.4MHZSupport OpenGL ES1.1/2.0/3.1/3.2 3D graphicSupport OpenCL 1.1/1.2Support DirectX 11 FL9_3Support Vulkan 1.0Up to 750Mhz	
Memory	Internal RAM/ROM: It can be 2GB+32GB, 3GB+32GB, 4GB+32GB,4GB+64GB, or 6GB+128GB, depending on the specific model you selected the internal storage is occupied by software. Actual memory space may change due to application updates, user operations, and other related factors External Micro-SD card Slot: Not available	
	Wi-Fi:802.11 b/g/n MAC/BB/RF	
WiFi Network	Wi-Fi band: 2.4GHz	
	Wi-Fi Hotspot 2.0	
Monitor	Screen Size (inch): Depending on the specific model, it can be 7 inches, 9inches or 10.1 inches (diagonal)	
	Display Resolution: HD 1024*600 for 7-inch models. 1280*720 for 9-inch & 10.1-inch models	
	Display system: IPS LCD display panel	
	Lighting Brightness: 600cd/m2	
Radio	Reception Band	FM (65-108MHz); AM (522-1710KHz)
	RDS Decoder	YES
	Digital Audio Out	YES
	Stereo Audio DAC	YES
Bluetooth	Bluetooth Version: Bluetooth 5.0	
	Protocol: HFP,HSP,A2DP,AVRCP,PBAP	
	A2DP Audio Codec: SBC	
	Channel output: Stereo, Mono	

DSP Acoustics	EQ Band: 36 Bands (Front 18 Bands + Rear 18 Bands)		
	Frequency: 24/36/53/80/120/170/260/390/570/850/1.3K/1.9K/2.8K/ 4.1K/6.1K/9.0K/14K/20K (Hz)		
	Gain: -10/-9/-8/-7/-6/-5/-4/-3/-2/-1/0/1/2/3/4/5/6/7/8/9/10 (dB)		
	Preset EQ: User/Standard/Jazz/Soft/Classic/Cinema/Rock/Pop		
Pre-Amplifier	Power Output	4 x 45w/ 4 Ω max. 4 x 25w RMS/ 4 Ω @ 14.4 V, 1 kHz, THD 10 %	
	Speaker Impedance	4-8Ω	
	Output Frequency Band	20 – 22000 Hz	
Media Playback	Audio	D/A Converter: 24Bit	
		Audio decode: WAV, MP3, MP2, FLAC,APE AAC, AMR-NB, AMR-WB, MIDI, Vorbis, AAC-plus v1, AAC-plus v2, WMA, ADPCM	
	Video	- H.263/H.264/DIVX4-6/XVID Decoder: 1080p@30fps - MPEG-4 Decoder: 1080p@30fps - MPEG-2 Decoder: 1080p@30fps - VP8/VP9 Decoder 1080p@30fps - HEVC/H.265 Decoder: 1080p@30fps	
GPS	Supports GPS/QZSS/SBAS (WAAS/MSAS/EGNOS/GAGAN)		
	Position Ability: -163 dBm hot start sensitivity -148 dBm cold start sensitivity -151 dBm warm start sensitivity		
	Full A-GPS capability (E911/SUPL/EPO/Hot Still)		
	Satellite channel: 20 channels		
	Positioning accuracy: <10m		
Input& Output	USB Data interface	2 USB interfaces Power output: 5V, 500-800mA during data transfer	
	Audio Out	4 x RCA Out (2V/10kΩ): Labeled as <FL>/<RL>/<RL>/<RR>	
		1 x RCA Subwoofer Out(1V/10kΩ): Labeled as <SUB>	
	AUX Audio Input	2 x Audio Input (Left / Right) (1V/25kΩ) : Labeled as <LIN>/<RIN>	

	AUX Video Input	1 x Video Input (1Vp-p/75Ω) : Labled as <VIN>
	FCAM video input	1 x Video Input (1Vp-p/75Ω) : Labeled as <Front Camera In>
	Rear View Camera Input	1 x Video Input (1Vp-p/75Ω) : Labeled as <RCIN>
	Video Output	Available. An extra ATOTO USB to RCA video-out adapter AC-AHV48 or USB to HDMI video-out adapter AC-AHV68 is required for connecting to headrest monitor.
	Optical Output	Not available.
General	Operation Voltage: 12v DC car battery	
	Rated Current Consumption: 15A	
	Operation Temperature Range: -20℃ - +60℃	