

## Shenzhen

### Shenzhen A5 Car Navigation Multimedia



# Shenzhen A5 Car Navigation Multimedia User Manual

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# Shenzhen

Shenzhen A5 Car Navigation Multimedia



## Frequently Asked Questions

### Q: What devices are compatible with Wired CarPlay?

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

### Q: How to connect a third-party Bluetooth device?

A: Search for Bluetooth devices, select the device from the list, and complete the connection process as instructed.

## FCC Statement

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.

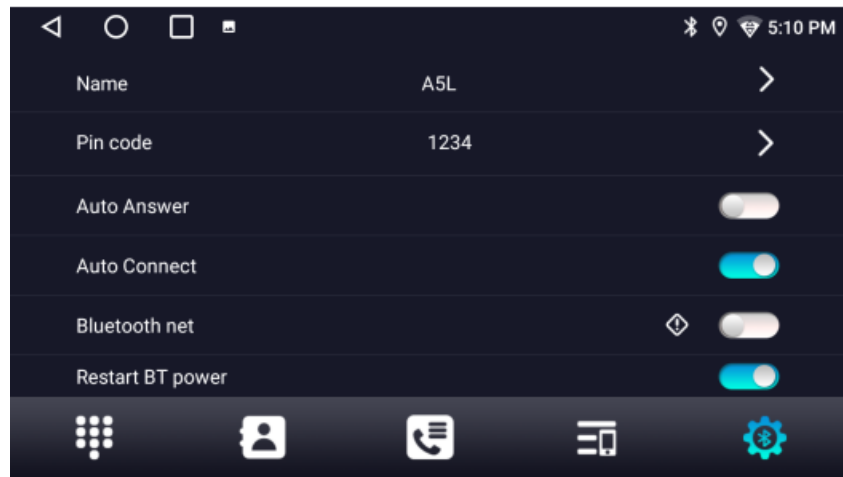
**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can 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.

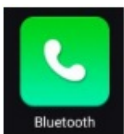
**Note:** The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. To maintain compliance 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).


## BT

### Bluetooth Settings



Access Bluetooth using the icon below.



Tap  to enter settings

- Pine code: 1234
- Auto Answer: Calls are automatically answered after 5 seconds of ringing.
- Auto Connect: Connects automatically to the paired devices within range.
- Bluetooth net: Turn on your phone's hotspot and share network connections with car stereo through Bluetooth.
- Restart BT Power: Restore Bluetooth default settings.

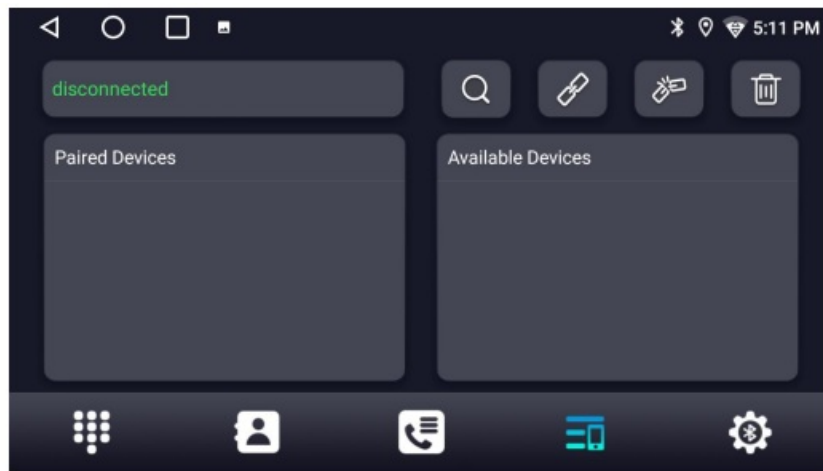
## Bluetooth Connection

### 1. Phone Bluetooth Connection

1. Step 1: Enable Bluetooth on your phone, search Bluetooth devices and connect your phone from the "Available Devices" list.
2. Step 2: Enter 1234 on your phone, and complete connection.
3. Step 3: Once connected, your phone will appear in the "Paired Devices" list.

### 2. When Connecting a Third-party Bluetooth Device Simultaneously

1. Step 1: Search Bluetooth devices and the third-party Bluetooth device will show on the "Available Devices" list.
2. Step 2: Click to complete connection.
3. Step 3: Once connected, the third-party Bluetooth device will appear in the "Paired Devices" list.

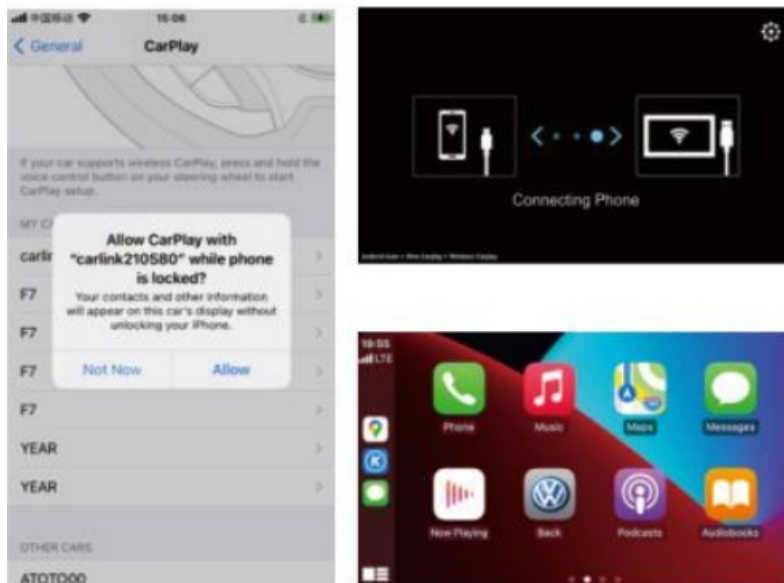


## CarPlay

### Wired CarPlay:

#### Connection:

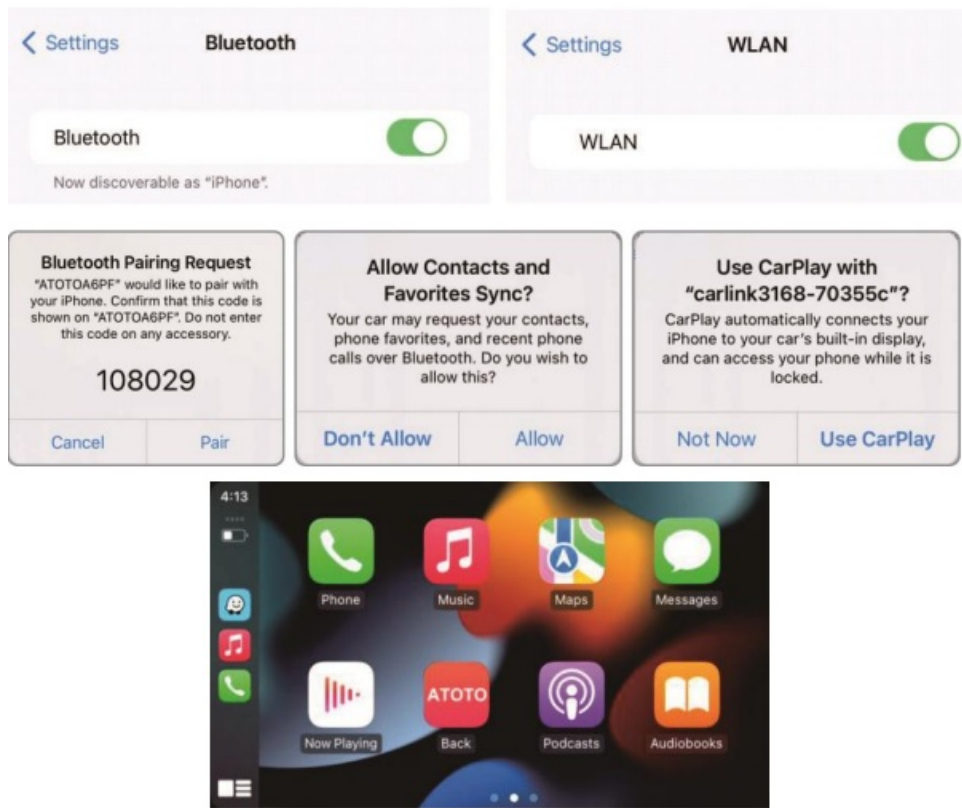
- Step 1. Run the ZLINK5 app from the car stereo;
- Step 2. Connect the iPhone to the car stereo via USB cable. You will see a pop-up window (asking for permission) from your phone screen, and click <Allow>.
- Step 3. The car stereo will enter the CarPlay interface.



### Wireless CarPlay:

#### Connection:

- 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.
- Step 2: Confirm the authorization prompts on your iPhone to complete setup.
- Step 3: The connection is complete now. Tap ZLINK5 app to enter wireless CarPlay.
-



#### Note:

- Ensure that the Wi-Fi on your iPhone is turned on;
- 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.

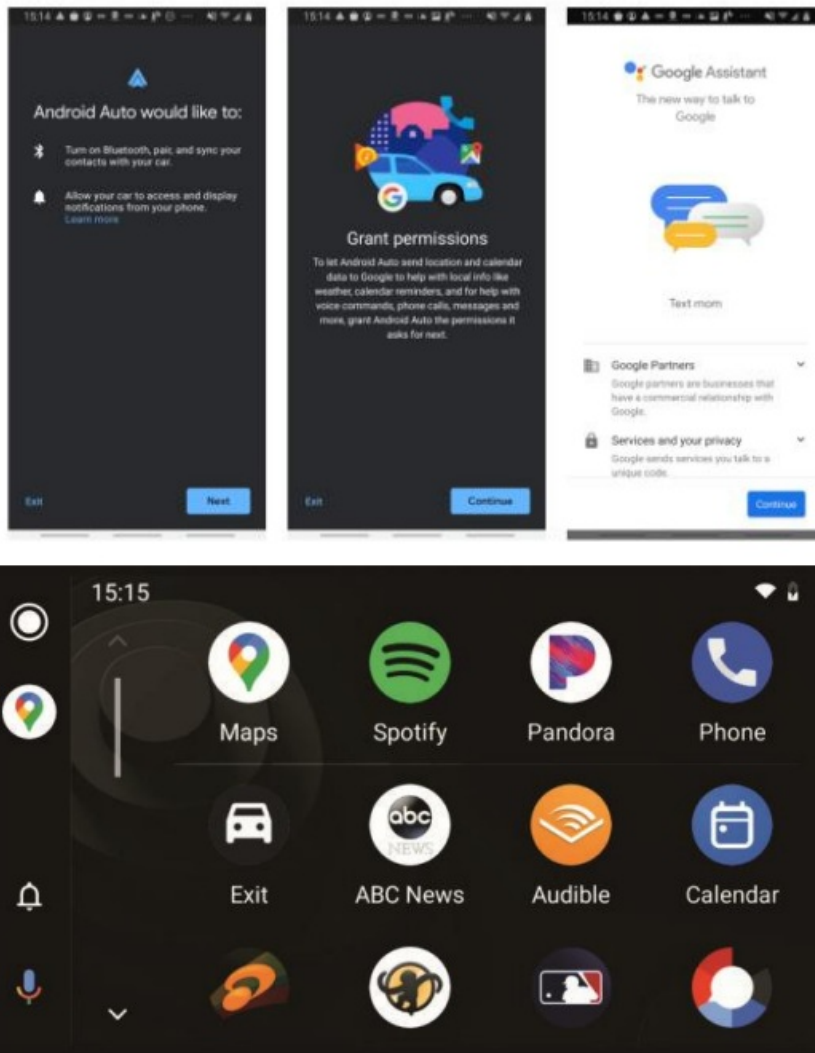
#### Compatibility

#### Android Auto

#### Wired Android Auto:

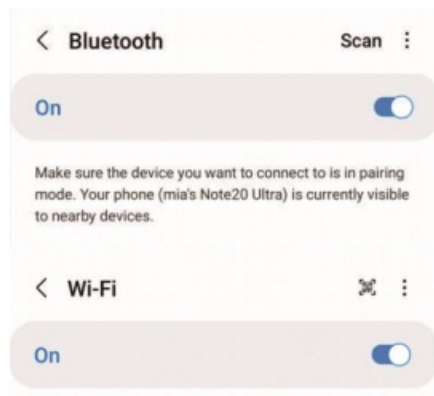
#### Connection:

- 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. Run the ZLINK5 app from the car stereo.
- Step 3. Connect your phone to car stereo with USB. You may see some pop-ups from your phone for the first time connection. Please always allow the requests.
- Step 4. The car stereo will enter the Android Auto interface.



### Wireless 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.
- Step 2: Confirm the authorization prompts on your phone to complete setup.
- Step 3: The connection is complete now. Tap ZLINK5 app to enter wireless Android Auto.
-



#### 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;
- If you are using wireless Android Auto on your phone for the first time, make sure th that the wireless Android Auto option or wireless projection option is on;
- 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.

#### 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.

#### Mirroring

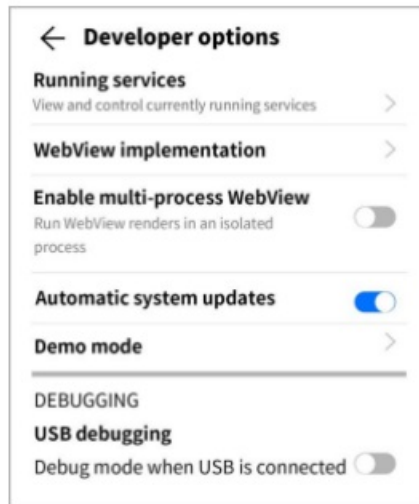
Display your smartphone screen on the car stereo via USB or WiFi. Use navigation apps like Google Maps, or watch videos from YouTube directly on the car stereo. Compatible with selected Android phones and iPhone.

## Note

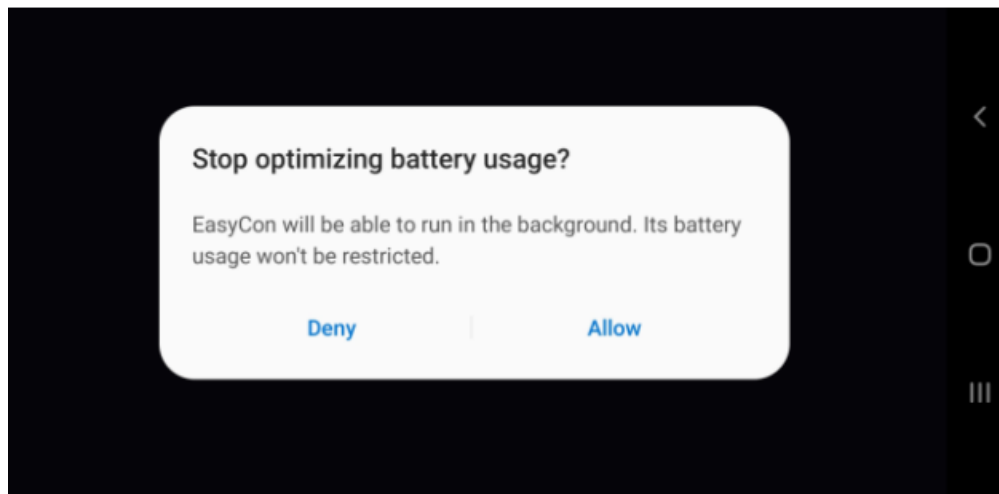
- The mirroring function cannot reverse control the mobile phone.

## Android Setup:

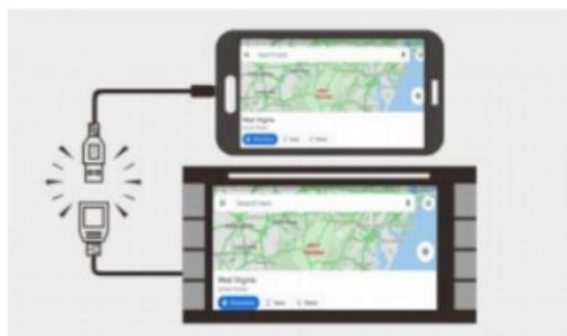
- Step 1: Install APK: Download from Google Play Store.
- Step2: USB Connection:
- Enable USB Debugging: Find this in system Developer Options. If unsure, search online for your specific phone model.



- Connect: Connect your phone to the car stereo's USB "Phone Link" port. Accept any prompts on your phone and open the ZLINK5 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.

## iPhone Setup:

### • Method 1: Connect via USB:

Use the original iPhone USB cable, trust the car stereo on your iPhone, and open ZLINK5 on the car stereo.

### • Method 2: WiFi Connection:

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



## Note:

### USB tethering:

When your phone is connected to the car stereo using ZLINK5 via USB, the stereo can access the internet using your phone's data.

## Navigation

- GPS 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.

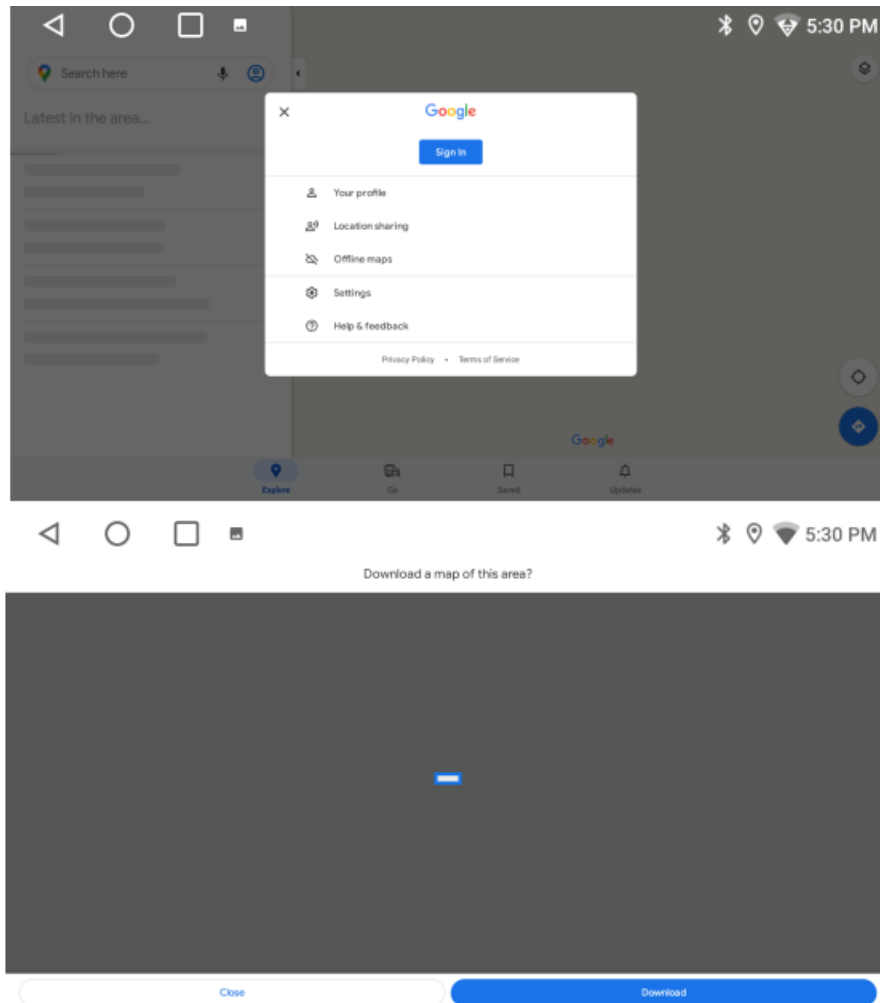


- Online Navigation: Google Maps comes installed on the car stereo. Remember, you need an internet connection to navigate in real-time. Apart from Google Maps, you can find more GPS navigation maps from

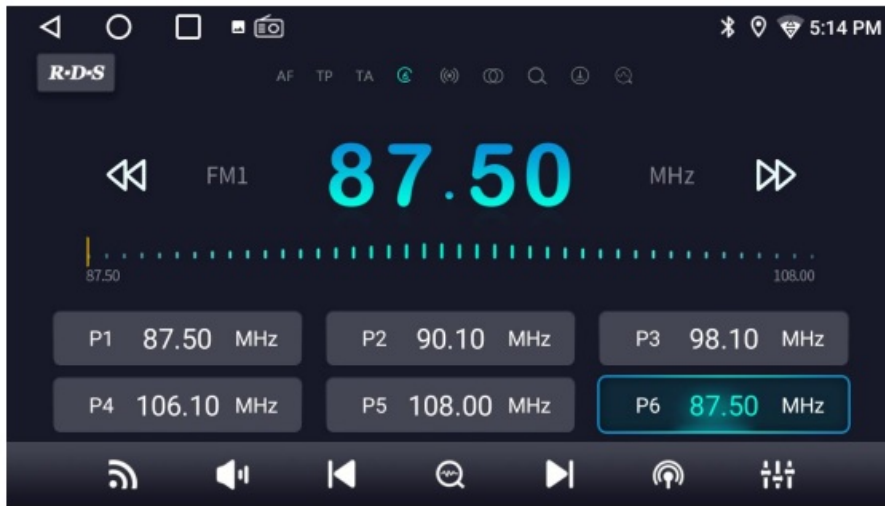
Google Play Store.



- Offline 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.



**Radio**



- **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.
- **TP:** Enable this option means turning on TP(traffic programs).
- **TA:** Enable this option means turning on TA(traffic announcement).
- **PTY:** Click RDS, it will show PTY. Display all the preset RDS channels and users can choose any desired channel to search stations by chosen genre.



- : Performs non-stop seek tuning.



- : Shift between FM and AM stations.

- **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.

## Rear View In



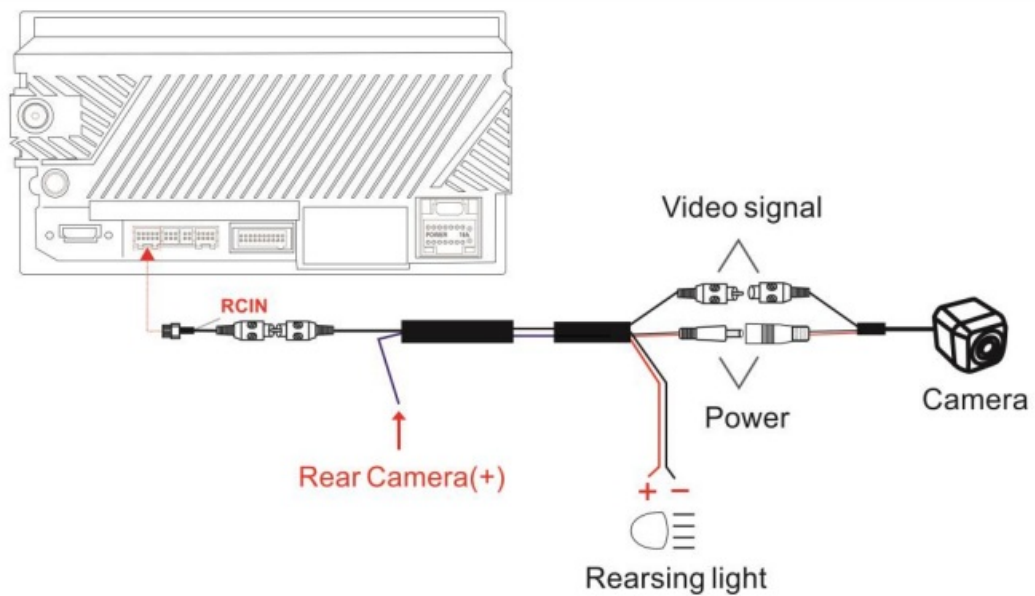
: Enter Car Settings

## The car stereo supports:

1. The AC-HD02LR Rear-view camera. Please refer to the packing list for its availability.
2. Both aftermarket and factory rear-view cameras with a standard RCA plug, CVBS video signal output, and a dedicated reversing signal wire. If incompatible, a wiring or video signal converter is needed for installation.

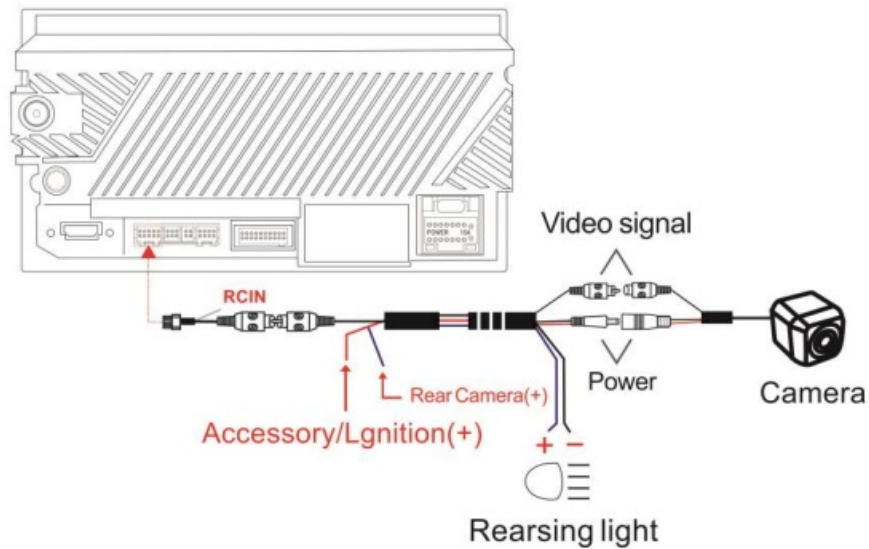
## Two methods of Rear Camera Wiring:

- **Method 1:** (Suitable for aftermarket and factory rear-view cameras)
  - Step 1: Connect the camera's power wires to the backup lights.
  - Step 2: Connect its RCA cable to the car stereo's RCIN port.
  - Step 3: Attach the camera's signal wire to the car stereo's <Rear Camera+> on the power harness.



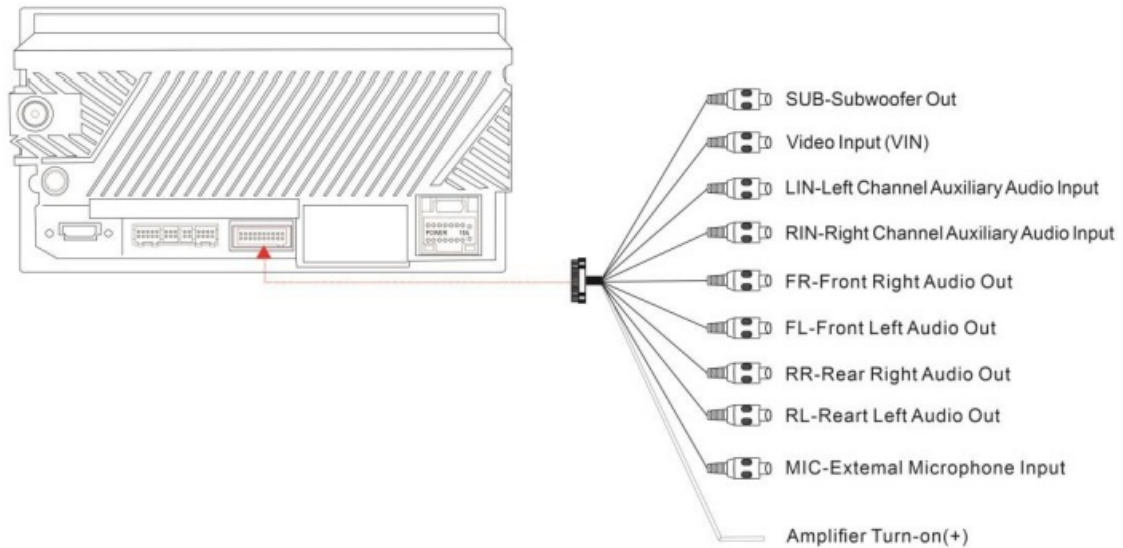
- **Method 2:**

The rear camera displays on-screen when in reverse and even when driving forward (Live Rear-view, shorted as LRV). This suits AC-HD02LR rear-view camera.

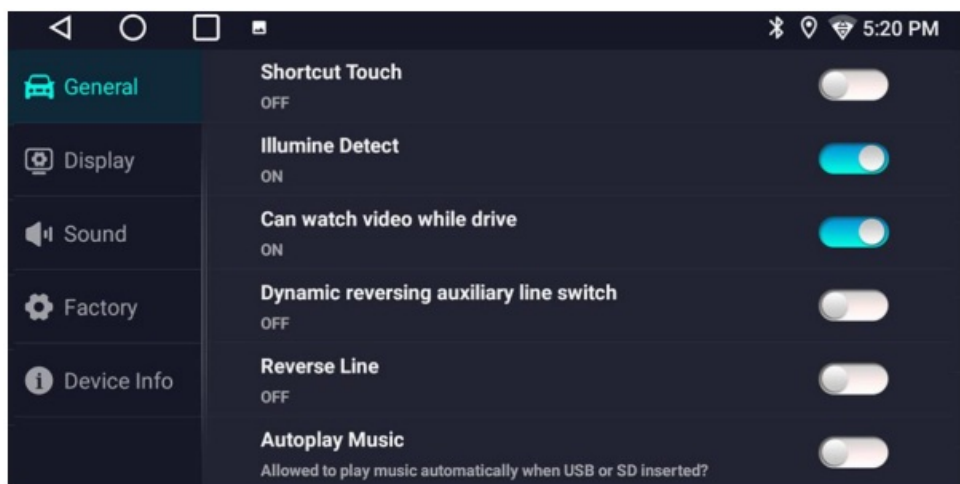


## AUX IN

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



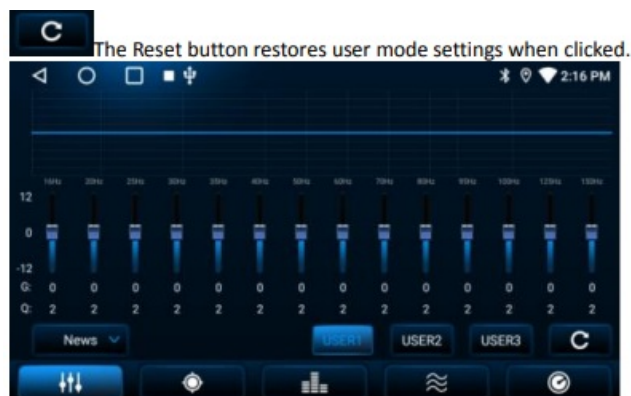
**Note:** Prohibit watching videos while driving, unless you turn off the “Can watch video while drive” option in the Car Settings.



## DSP

### Equalizer (EQ) Adjustment:

The system comes pre-set with 9 sound effects: News, Jazz, City, Pop, Electronic, Classic, Movie, Rock, Techno. User Mode: It allows for customization, users can adjust the 48-band EQ from 16Hz to 18kHz according to personal preference and save up to three user modes.



### Sound Field (Listening Position):

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

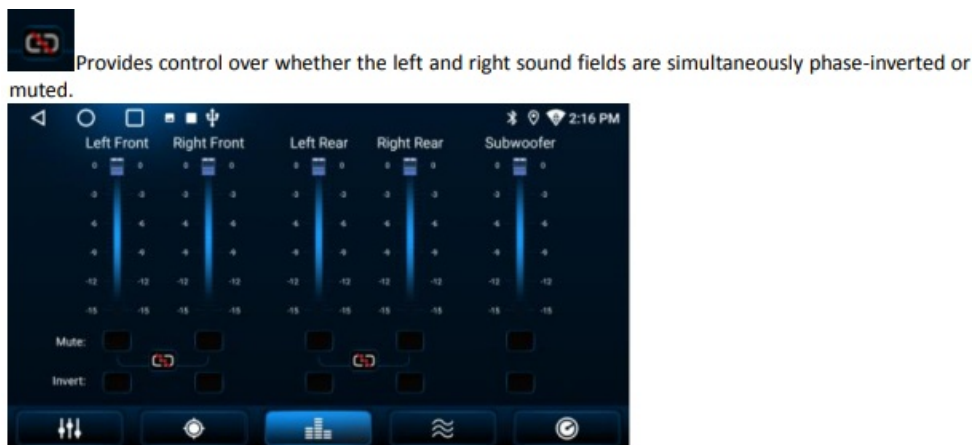


## Sound Field Output Settings

Individual speaker output settings allow for separate adjustments based on each speaker's power requirements and phase.

**MUTE:** Offers control over whether to mute or reduce the volume output for each speaker's sound field, adjustable from 0 to -15 dB.

**Invert:** Provides control over whether each sound field is phase-inverted.



## Crossover:



### Filter:

Provides sound field filtering channels.

FL/FR/RL/RR offer filtering from 20Hz to 20KHz, with Slope control from 0 to 42dB.


The subwoofer provides filtering from 20 to 400Hz, with Slope control from 0 to 42dB.

HPF = High Pass Filter

LPF = Low Pass Filter



**Bass Boost Settings:** FL/FR/RL/RR/Subwoofer can enhance specific frequency points from 20Hz to 400Hz.

 The Reset button restores user mode settings when clicked.



### **Surround Settings:**

Surround: Toggle the enhancement of surround sound effects on or off.

Loudness: Toggle loudness compensation on or off to enhance sound equalization.



### **Time 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 (0-680cm) or time delay (0.0-20msec) of each speaker.

 The Reset button restores user mode settings when clicked.



## **Network**

### **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 2.4GHz networks.

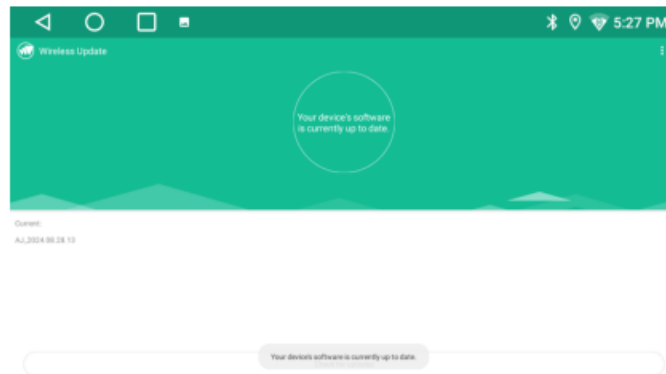
- Bluetooth Tethering: Enable Bluetooth tethering on your smartphone for a connection.
- USB Tethering: Connect your phone to the car stereo with a USB cable.(not compatible with iOS for now, this feature can be upgraded through FOTA later)

**Note:** The car stereo does not support traditional USB 3G/4G

## FOTA

We provide a quick and easy way to fix software issues and enhance security through FOTA update, ensuring that your system is always up-to-date.

Path: Settings>> System>> About Device >>Wireless Update. Tap “Wireless Update” 5-10 times, it will show the picture down below. Please find the IMEI code and send to our product team.



## TrackHU



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 car stereo's QR code to access the TrackHU Manager for comprehensive tracking information.

### Note:

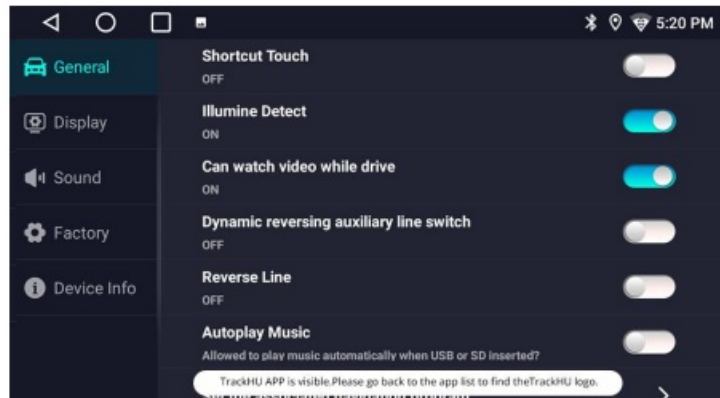
1. Ensure your car stereo's both GPS and network are enabled to receive notifications via email and to access tracking data in the TrackHU Manager APP or website.
2. If your car stereo loses internet connectivity, the tracking data will be stored locally and automatically uploaded to the server once 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?

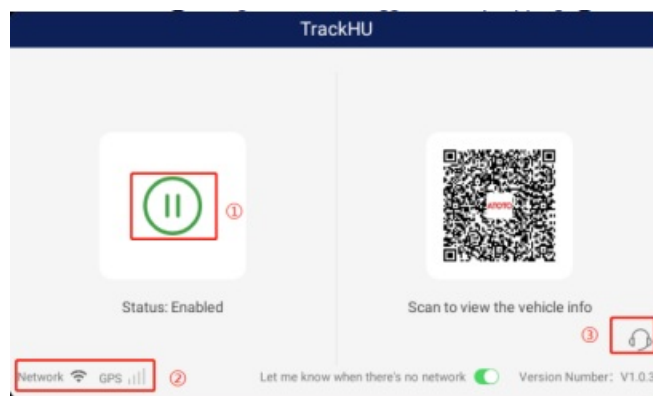
- Step 1: Have the car stereo access the internet. And make sure the location of the car stereo is enabled following the path “Car Settings>> General”.
- Step 2: Tap “General” 10 times in quick succession. A prompt will appear on the interface, indicating that the

TrackHU APP logo is visible in the app list. No prompt means system update is needed.

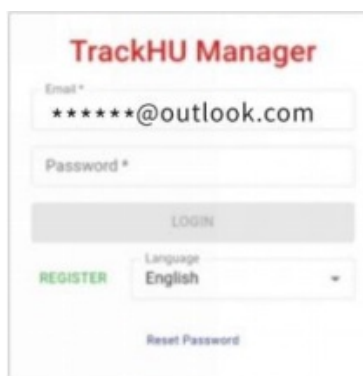
- Note: The TrackHU APP icon is hidden by default to protect users' privacy. You can tap "General" 10 times in quick succession again to make the APP invisible.



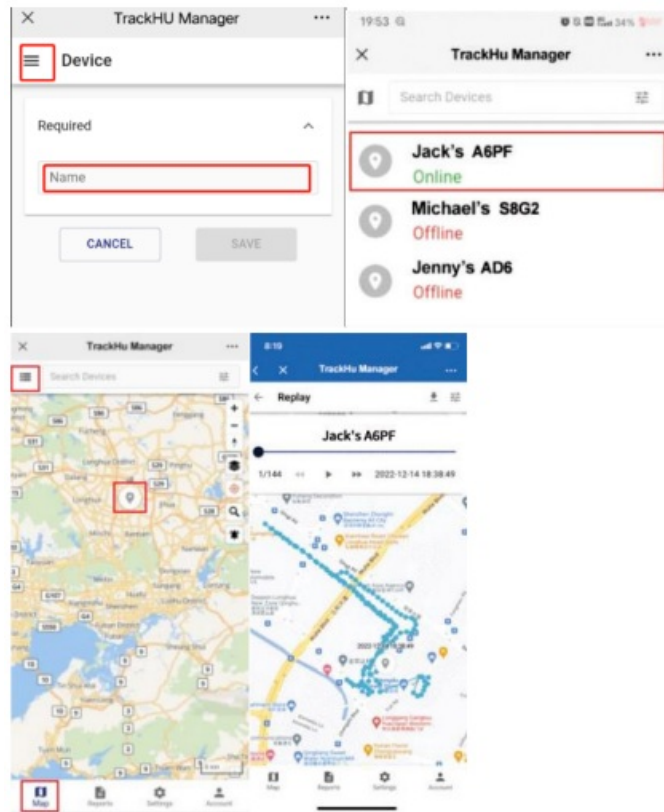
- Step 3: Enter TrackHU APP. Tap the button ① to enable TrackHU. You will see the network and GPS status at the left corner ② and give us some suggestions by tapping ③.



- 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.



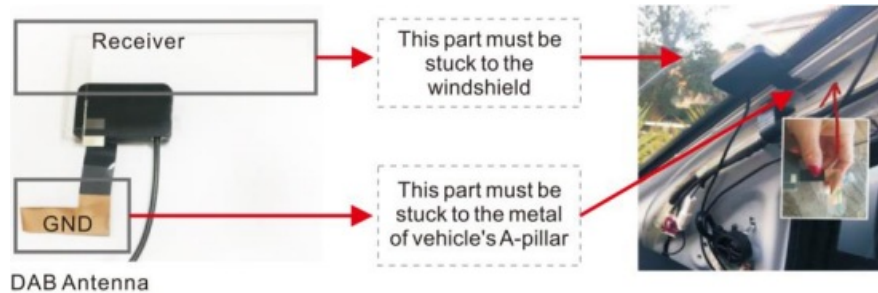
- Step 6: You can give a name to the car stereo and after that tap the map button and then to view the named device such as Jack's A6PF. When you see the named device is in the "online" status in seconds, tap the device name to see the car stereo's location, past route, and more information.



## DAB+

### 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.





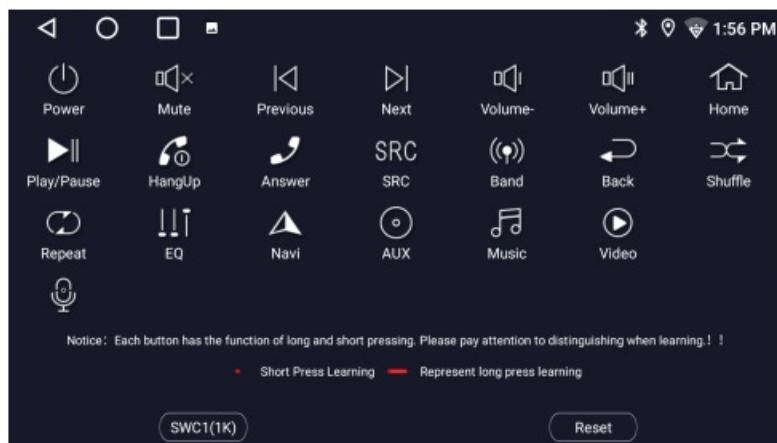
Connection to the USB port



#### 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.

#### SWC



Click the learning function button in the menu, then briefly press the corresponding steering wheel button to complete the function learning. (The same button can learn multiple functions through a long press) 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.



## Fast Boot

### How Fast Boot Works:

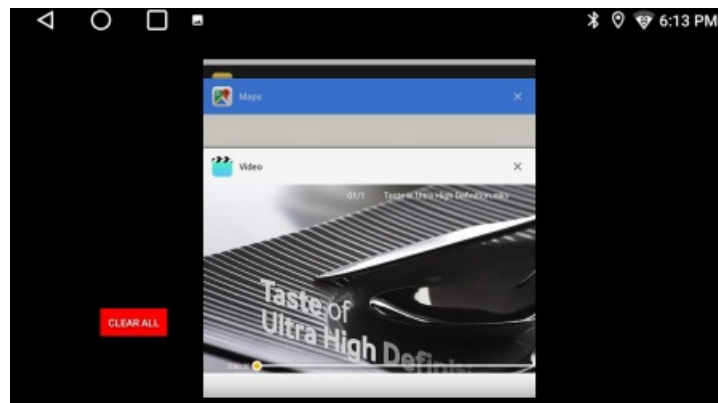
The Fast Boot function allows the system to enter a low-power sleep mode, shutting down all programs about 5 minutes after the engine is turned off and the key is removed (or the driver's door is opened, depending on the car). This enables the system to wake up in under 2 seconds upon the next car start 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:

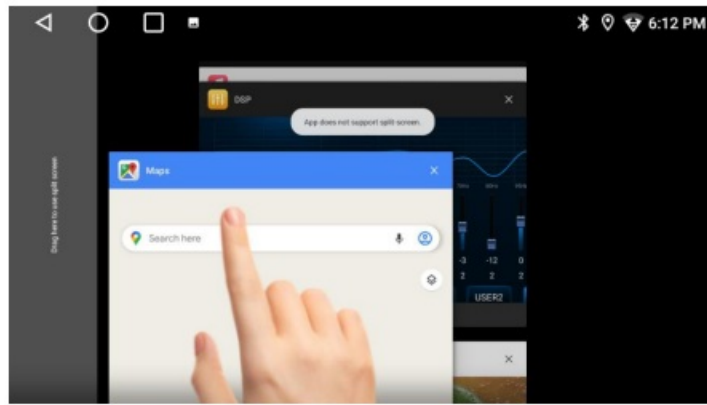
To ensure Fast Boot functions correctly, it's crucial to wire the <12v Ignition/ACC> and <12v Constant Power/Battery> correctly in the power harness. Incorrect wiring may prevent the system from entering sleep mode, leaving the screen on, or interrupt the hibernation process, leading to a 20-30 second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

## Split Screen

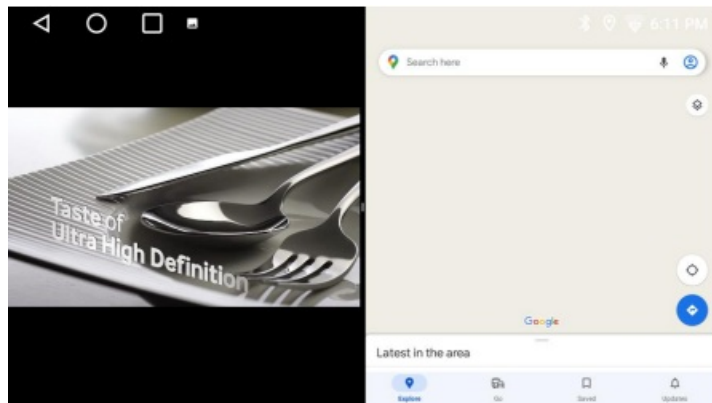
- Step 1: Click the square to enter into background apps



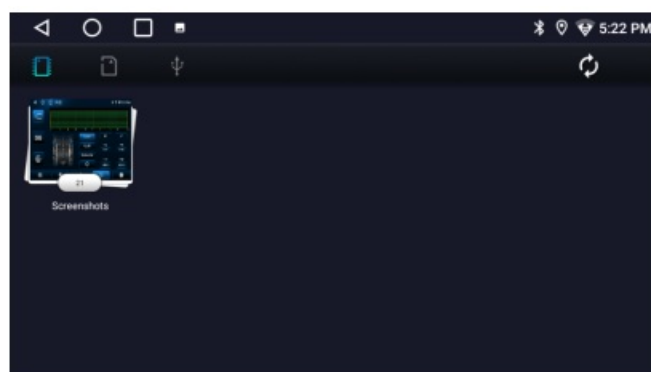
- Step 2: Find the desired app and then drag it to the left, and choose another it run on the right window.



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



## Image Scan



1. .Photo Folder: Photos can only be viewed and used to set wallpaper.
2. TF Card: Supports up to 128GB.
3. USB Transfer: Transfer photos from your phone to the car stereo's photo folder via USB.

## Settings

### Network Settings

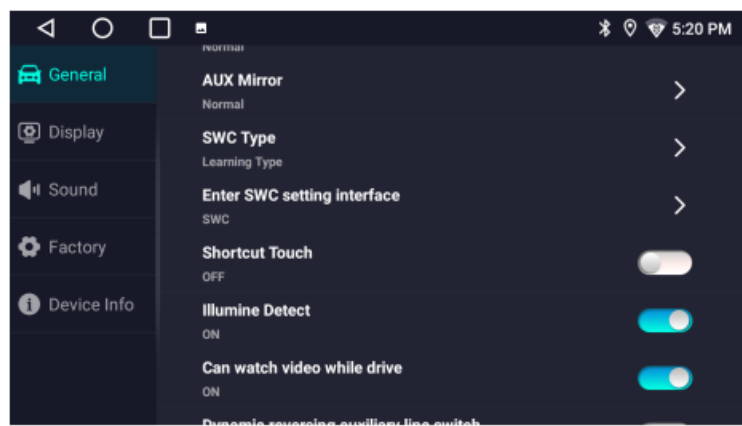
- Wi-Fi Hotspot: Connect to a Wi-Fi hotspot provided by a portable router or the user's smartphone. The car stereo detects both 2.4GHz net works.
- Bluetooth tethering: Enable Bluetooth tethering on your smartphone to establish a connection .

### System Settings

- Languages & input: Connect to a Wi-Fi hotspot provided by a portable router or the user's smartphone. The car stereo detects both 2.4GHz net works.
- Updates: Update your car stereo from Wireless Update, Local Update or CAN Update.  
Note: Keep your car stereo connected to network and powered on during the update.

## Car Settings

### General Settings

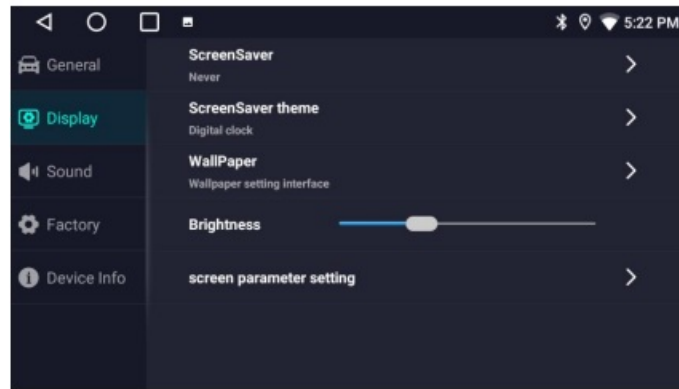


Select Your Radio Region: Ensure you choose the correct radio area to match your location for optimal station reception. If you reset the device, you'll need to reselect your area manually to ensure proper functionality.

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

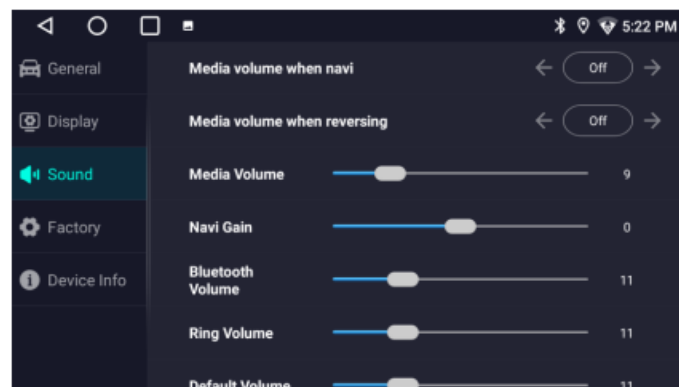
- Rear/AUX Mirror Setting: Adjust the display orientation and ensure images are correctly displayed according to your needs.
- Turn the Shortcut Touch, Illumine Detect, watch video while drive, Dynamic reversing auxiliary lineswitch, Reverse Line, Autoplay Music on or off. Also, set your preferred navigation program, Delayed reversing time and Speed Correction.

### Display Settings



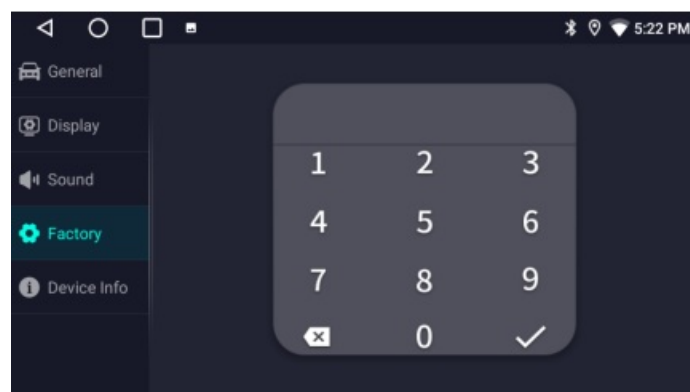
On this interface, you can set the ScreenSaver timing, ScreenSaver Theme, WallPaper, Brightness, illumination color, screen parameter as your preferences.

## Sound Settings



On this interface, you can turn the Media volume when navi/ reversing on or off. Fine-tune the volume levels for Media, Navi Gain, Bluetooth, Ring and Default according to your preferences. Also, select your preferred method for mixing navigation prompts with media.

## Factory Settings



Enter “3368” to access this interface. You can discover more with it.

## Specifications

Specifications		
Part	Specifications	
Operating System	Android 9.0	
SOC chipset	CPU: MT8163 Quad-Core 1.3GHz (Cortex-A53)	
	GPU: Mali-T720 MP2	
Memory	<b>Internal RAM/ROM: 2 GB+32 GB</b>  <b>*The available internal storage may be smaller as part of the internal storage is occupied by software. Actual memory space may change due to application updates, user operations, and other related factors</b>	
	External TF card Slot: Support 128 GB	
WiFi Network	Wi-Fi band: 2.4GHz	
Monitor	Screen Size (inch): Depending on the specific model, it can be 7 inches, 9inches or 10.1 inches ( diagonal)	
	Display Resolution: HD 1280*720 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 (88-108MHz); AM (530-1700KHz)
	RDS Decoder	YES
	Digital Audio Out	YES

	Stereo Audio DAC	YES
Bluetooth	Bluetooth Version: Bluetooth 4.1	
	Protocol: HFP,HSP,A2DP,AVRCP,GATT	
	A2DP Audio Codec: SBC	
	Channel output: Stereo	
	Support Bluetooth Tethering & BLE Connection	
	EQ Band: 48 Bands	
	Frequency: 16–18K (Hz)	

DSP	Gain: -12–12 (dB)	
Acoustics	Preset EQ: News/Jazz/City/Pop/Electronic/Classic/Movie/Rock/Techno	
Pre-Amp lifier	Power Output	4 x 45w/ 4 $\Omega$ max. 4 x 25w RMS/ 4 $\Omega$ @ 14.4 V, 1 kHz, T HD 10 %
	Speaker Impedance:	4-8 $\Omega$
	Output Frequency Band	20 – 22000 Hz
Media Pl ayback	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)	
	Positioning time	
	Cold start: <55s (OPEN SKY) Hot start: <5s (OPEN SKY)	
	Rate: 0.1m/s	
	Location data update rate: 5HZ	
	Satellite channel: 64 channels	
	Positioning height: 18,000m	
	Positioning accuracy: 3m, 2D	
Output & inp ut	USB Data interface	2 USB interfaces Power output: 5V, 500-800mA during data transfer



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