USER GUIDE



9" MULTIMEDIA INFOTAINMENT SYSTEM

HIGH DEFINITION TFT DISPLAY WITH CAPACITIVE TOUCH SCREEN

StingerElectronics-eu.com

Part No. **iF209E**

Safety notes

The car sound system was manufactured according to recommended and established safety guidelines in a state-of-the-art facility. Even so, dangers may occur if you do not observe the safety notes in the instruction manual.

These instructions are intended to familiarize you with important functions.

- For best results, please read the user manual carefully and completely before using the car audio system.
- Always keep the user manual accessible to all users.
- Always hand over the car audio system to any third party along with these instructions.
- In addition, observe the instructions of the devices used in combination with this car audio system.

Symbols used

Below are the symbols used in this user manual, please go through them carefully:

 **CAUTION:**

Warns about possibilities of any injuries that might occur.

 **LOUD VOLUME:**

Warns about high volume

- Identifies a sequencing step.
- Identifies a listing.

General Warning

To avoid any injury or damage to yourself, your car and others, please make sure to do as following. Observe the following note to protect yourself against injuries:

- **Do not modify or open the device:** Do not do any unauthorised modification to the device. In case you need any assistance, please visit the nearest service centre. The device should be open by an authorised person only.
- **Use as Directed:** this car audio system is intended for installation and operation in a vehicle with 12V (negative ground) vehicle system voltage. Observe the output limits of the device. Only an authorised specialist should perform repairs and installation, if necessary.
- **Installation Instructions:** You may only install the car audio system yourself if you are experienced in installing car audios systems and are very familiar with the electrical system of the vehicle. For this purpose, observe the connection diagram at the end of these instructions. For self-installation make sure you have the right tools with you.
- **Use your device in such a way that you can always safely control your vehicle.** In case you have doubts, stop at a suitable location and operate your device while the vehicle is parked. As the driver, you must not use the applications that will distract you from traffic (depending on the scope of functions of the device, e.g. viewing videos, searching for a destination) (Navigation equipped radios and other downloaded applications)
- **Follow driving recommendations during the route guidance only if you are not violating any traffic regulations:** Traffic signs and traffic regulations always have priority over driving

recommendations.

- **Always listen** at moderate volumes to protect your hearing and to be able to hear warning signals (e.g. police sirens and other external alerts while driving). During mute phases (e.g. when changing the audio source), changing the volume is not advisable. Do not increase the volume during this mute phase.

Road safety

Observe the following notes about road safety:

To avoid any injury or damage to yourself, your car and others, please make sure to do as follows.
Observe the following note to protect yourself against injuries:

- Before using this unit, please read all related instructions carefully.
- Any damage to this unit caused by improper operations will void the warranty.
- Please do not watch videos or use other Apps while the vehicle is in motion, doing so is a Safety violation. To watch videos or use Apps, please ensure that the vehicle is in parked mode with handbrake activated.
- The below-listed applications while driving the vehicle may divert your attention from the traffic situation and may lead to serious accidents:

Using the navigation feature like entering the destination address

- ✧ Video playback or watching any kind of video
- ✧ Usage of internet via the browser
- ✧ Use of connected phone via Phonelink
- ✧ Use or download of Google PlayStore / Google Maps / YouTube is not permitted in the automotive environment

- You are advised to refrain from any activity which could possibly divert your attention while driving. The best way to use these applications is when your vehicle is parked in a safe location.
- To avoid short circuit, please do not dispose of the unit into water and please do not place or leave any kind of metal object (such as a coin or metal tools) in the unit.
- Please operate the unit as per this Manual, it is not allowed to open the unit for maintenance; In case if maintenance is required, please seek professional help.
- After the car engine is off, please do not use the car audio for a long time, otherwise, the battery could be drained.

Instructions to read this User Manual

Illustrations are used in this manual to explain operations and precautions. The illustrations used in this manual are only for reference, please take the actual unit as standard.

Marks

 Mark for important preventive measures; please read carefully to prevent any injury.

 Mark for a special explanation, auxiliary interpretation, imitation and references.

 Mark for additional information about operating this unit. Warm notes: When there is any difference between the Manual and the actual unit, please take the actual units as standard.

Cleaning notes

- Solvents, cleaning and scouring agents as well as dashboard spray and plastics care products may contain ingredients that will damage the surface & screen of the audio system.
- Use only dry or slightly moistened cloth for cleaning the audio system.

Disposal notes

- Do not dispose of your old unit/batteries in the household trash.
- Use the return and collection systems available to dispose of the old device.

Scope of delivery

The scope of delivery includes:

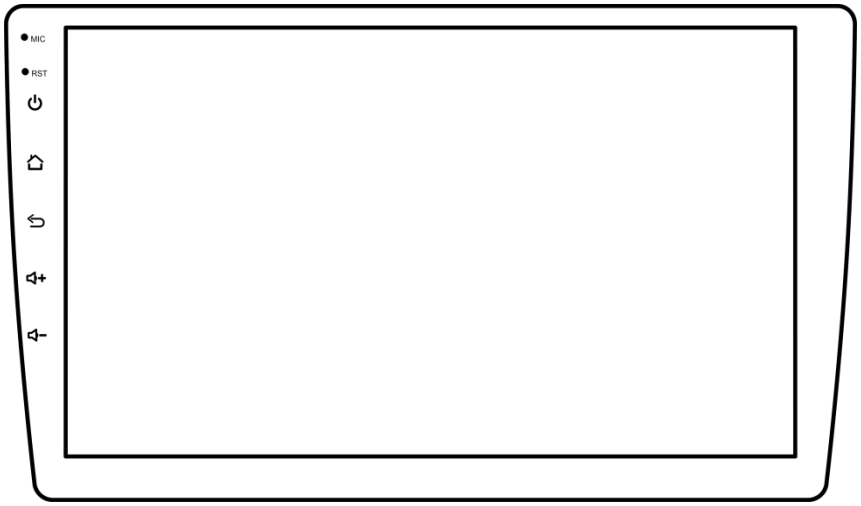
- Car audio system
- GPS antenna
- External Bluetooth microphone
- Small parts set, installation material
- Screws and fasteners
- Connecting cables

Features and Functions

- High Definition TFT display with Capacitive Touch Screen.
- Android system, Smart phone connection support.
- AM/FM/RDS Radio with Auto Memory Store/Preset Scan.
- Built-in GPS receiver, compatible with Waze/Google Map etc
- Preset Multi EQ Settings, offering 16 preset sound effects.
- Built-in Bluetooth 5.0, supporting hands-free calls, phone book, and A2DP music streaming.
- Multimedia Player Compatibility with all formats.
- Back Camera Input support.
- 1280*720 Super High-Definition digital screen.
- 4 x 50W Power Output.
- Two rear USB input.
- Built in WIFI.
- Steering Wheel Control support.

Basic Operations

Functions of the Buttons on the Front Panel.



MIC	Microphone
RST	Restore default factory settings of the device. Caution, all personal setting will be lost
⏻	POWER/MUTE button **Short press:** Turn ON device; In operation: Mute audio source. **Long press:** Tum OFF device
⌂	HOME button
↩	Press to return to previous menu
🔊+	Increase audio volume
🔉−	Decrease audio volume

Main page introduction-In the main menu, press the buttons on the touchscreen to call up the different sources and operating modes.

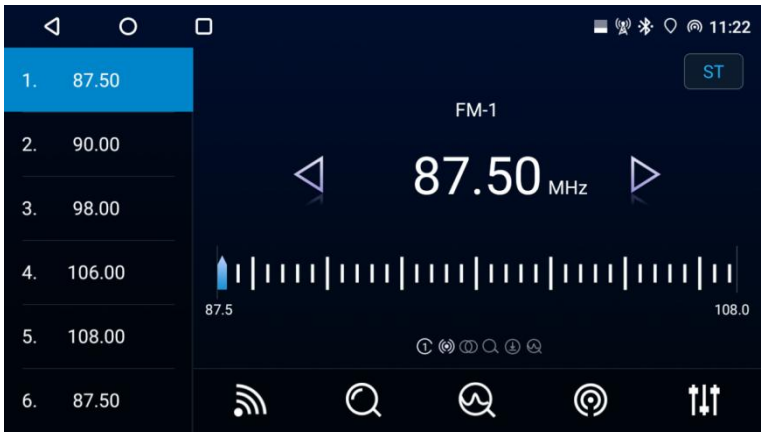


	Return to the previous level
	Return to the main page
	View the background that has been opened
	Time and date display
	Enter the radio page
	Enter Android Auto menu
	Enter Apple CarPlay menu
	Enter the secondary menu
	Enter the navigation page
	Enter Bluetooth to make a call

1. Radio

In the main menu, press the [ ]or [ ]button. The radio playback menu is displayed.

Most functions can be controlled from the source control screen.



Users can save your favourite channels on the left bar, by pressing and holding for 3 seconds to save.

: Press for manual frequency search backward.

: Press for manual frequency search forward.

: Switch the radio band from FM1/FM2/FM3/AM1/AM2

: Search and storage the nearby channels automatically.

: Switch between your saved presets

: Automatically search and store nearby channels.

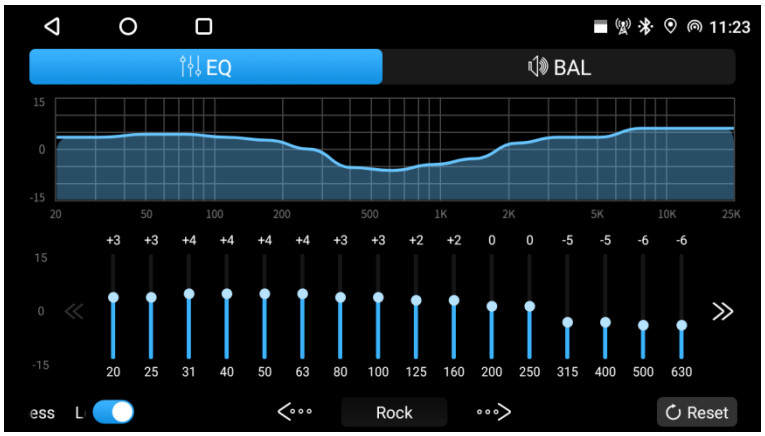
: Adjust the EQ sound effect.

2. EQ

2.1 EQ Settings

Press [ ] on the main menu or [ ] of the current audio source. The equalizer menu is displayed

You can adjust the various settings such as audio balance.



Select a preset equalizer via preset buttons- Normal / POP / Rock / Classic /Jazz/ Custom

- Or -

Press the [Custom] to adjust the level of the available frequency bands according to your preferences.

Note:

With the [Reset] button, you can reset the customised setting again.

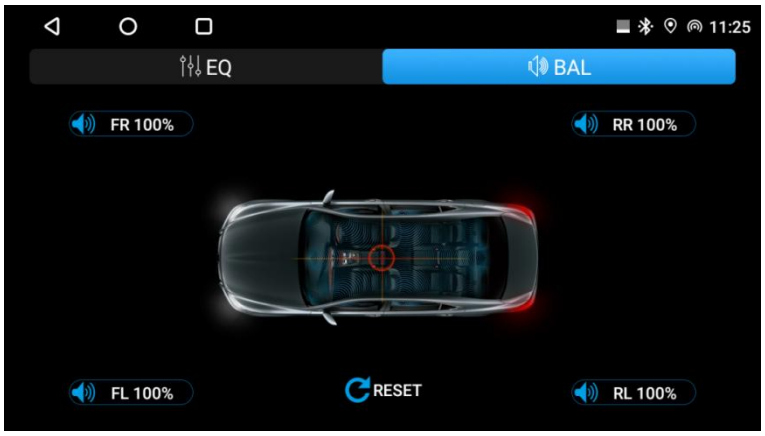
- Or -

Turn on the [Loudness] to increase bass and treble at low volume.

2.2 BAL Settings

You can adjust the volume distribution in the vehicle for all sources.

Press the [BAL] button in EQ menu. The menu for fader and balance is displayed.



With the [Reset] button, you can reset the customised setting again.

3.USB media playback

The car audio system is equipped with USB ports to play MP3 or WMA files on USB data carriers.
In addition, you can view movies and images from USB data carriers on display or a connected monitor.
For safety reasons, the playback of movies and images on the integrated monitor is allowed only while the vehicle is in parked mode and the handbrake is applied. You can turn off the Brake detection option in the settings << Vehicle settings. The movie playback on an external monitor is also possible while driving.

Notes: We cannot guarantee that all USB drives are compatible with this car audio system.

USB data carrier

This device features 2 USB ports at the rear of the device.

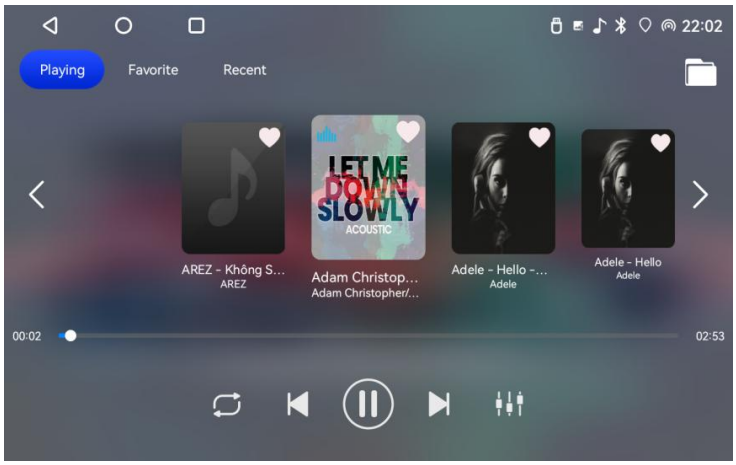
Connecting a USB data carrier

- Insert the USB data carrier in the USB socket.

The device automatically switches to USB mode. Data is read and playback commences.

3.1 USB-Audio playback

Select the [Music] source via the main menu



: Repeats all the current track

: Repeat play

: Random play

: Previous track

: Pause playback and Resume playback

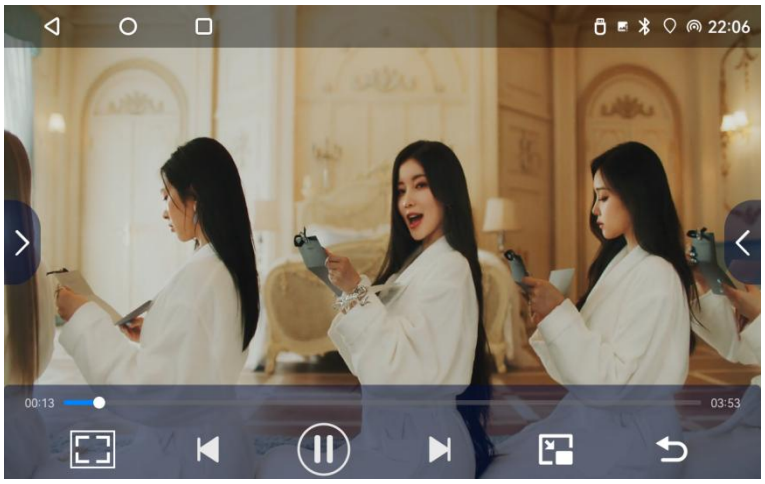
: Next track

: Enter to the EQ settings

: Display the folder/file list

3.2 USB-Video playback

Select [Video] source via the main menu.



: Aspect ratio

: Previous chapter

: Pause playback and Resume playback

: Next chapter

: Play in a small window

: Back to main page

 : Display the folder/file list

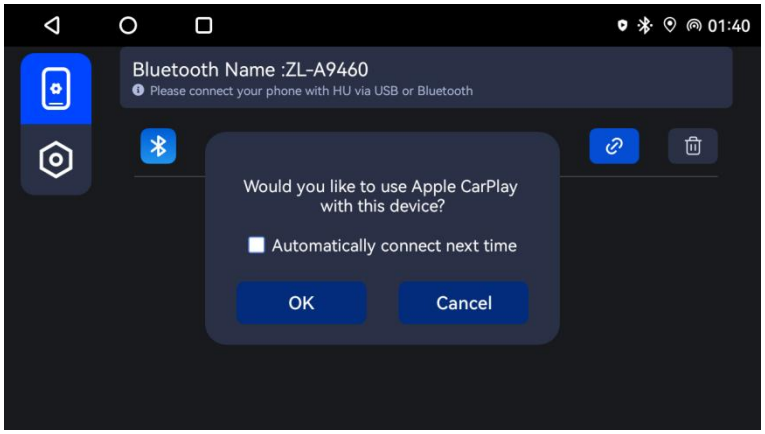
4.Bluetooth

Tap the 

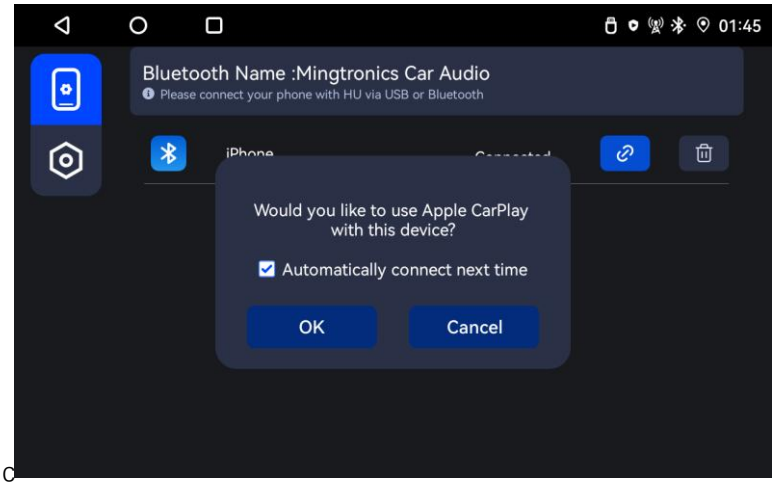
icon, the Bluetooth feature allows mobile phones and media playback devices to be paired with the car audio system. When the mobile phone is paired with the car audio system, you can use Bluetooth to make calls and Bluetooth music. Using wireless CarPlay and wireless Android Auto to enjoy a seamless smart driving experience.

Bluetooth Connection

To use Bluetooth Phone or Bluetooth music, uncheck and click: Cancel.



To use wireless CarPlay and wireless Android Auto ,please click OK.



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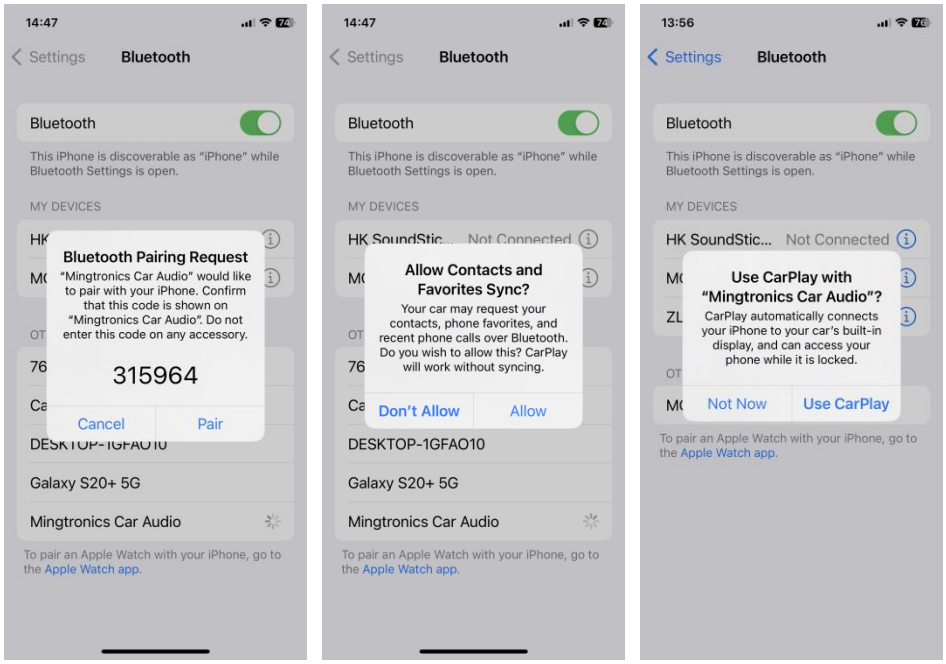
4.1 Bluetooth- Phone & Music

When a cell phone is paired with the car sound system, you can make phone calls with the built-in hands-free function. You can access the lists of dialled numbers and the phone book of the registered cell phone and you can play music via the car sound system and control the playback.

How to connect to Bluetooth

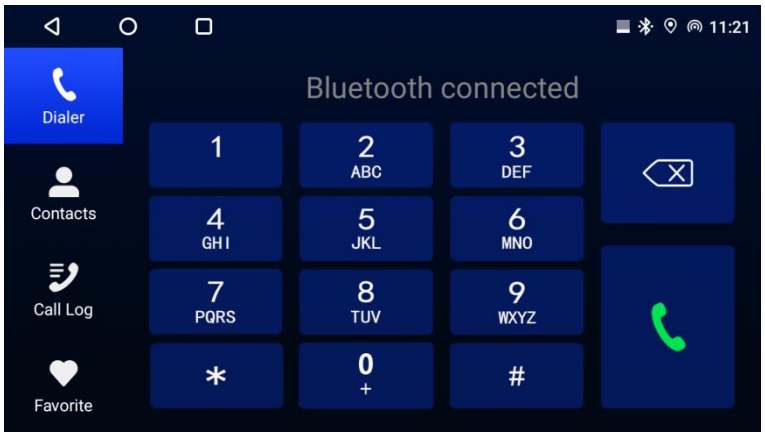
1 Turn on the Bluetooth function on your smartphone.

2 Search for the Bluetooth name ("**Stinger iF209E**") from your smartphone. then confirm the request on the smartphone.



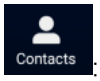
4.1 1 BT Phone - Telephone mode

If you connected a phone with the car audio system via Bluetooth®, the following menu appears.

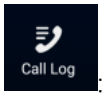




: The dial keypad



: Call up phone book.



: Call up records lists.

Dialling

Enter a phone number with the keypad and press the [] button.

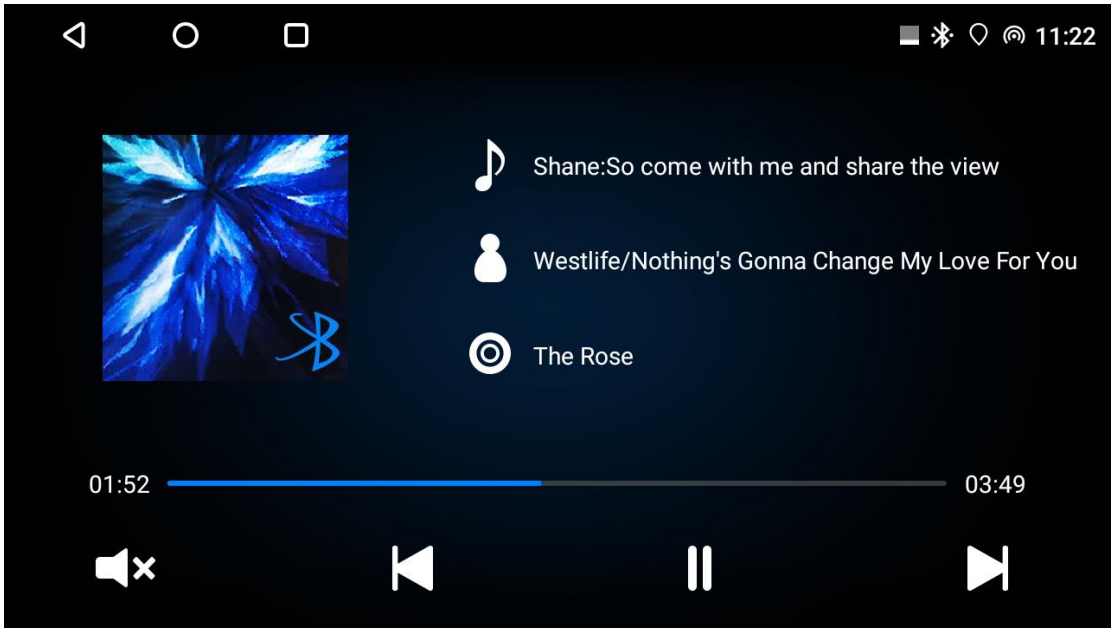
- Or -

Select a contact/number via the caller lists or phone book.

4.12 Audio playback via Bluetooth streaming

If an audio streaming device is connected to the car audio system via Bluetooth®, you can play back the music via the car audio system and control the playback.

•Press the [BT Music] button to change to playback audio.



: Previous track

Pause playback and Resume playback

: Next track

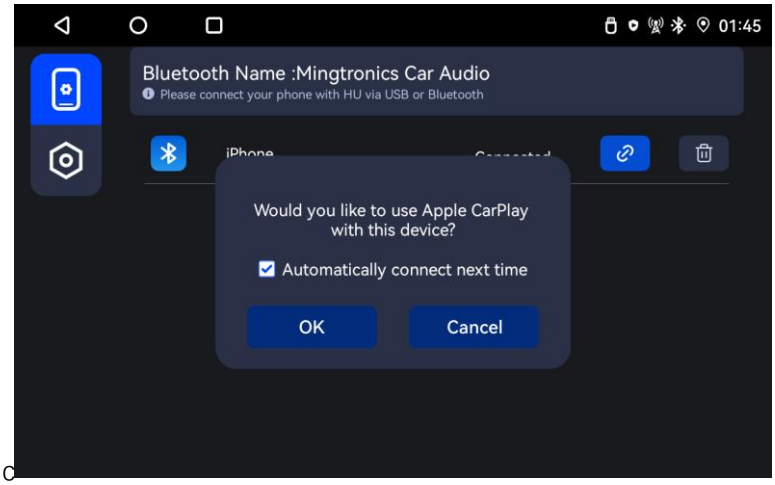
4.2 Intelligent Vehicle Interconnection

This unit features wireless Apple CarPlay and Android Auto. CarPlay and Android Auto is a smarter, safer way to use your Phone while you drive. You can use navigation, make calls, send and receive messages, and enjoy your favourite music. All on your car's head unit.

Tap the 

icon, enter the interface, connect to the corresponding Bluetooth name, and you can connect to Wireless CarPlay or Wireless Android Auto.

When you connect to Bluetooth, please click OK.



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4.21 CarPlay

Apple CarPlay Operation

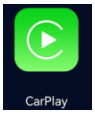
●Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone, iPod, or iPad may affect wireless performance.

●Apple and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

Apple CarPlay is a trademark of Apple Inc.

●Apple CarPlay is the smarter, safer way to use iPhone in your car. Apple CarPlay seamlessly integrates your iPhone with the car's built-in display and controls. Now you can make phone calls, access your music, send and receive messages, get directions, and more while you stay focused on the road.

Connection steps:

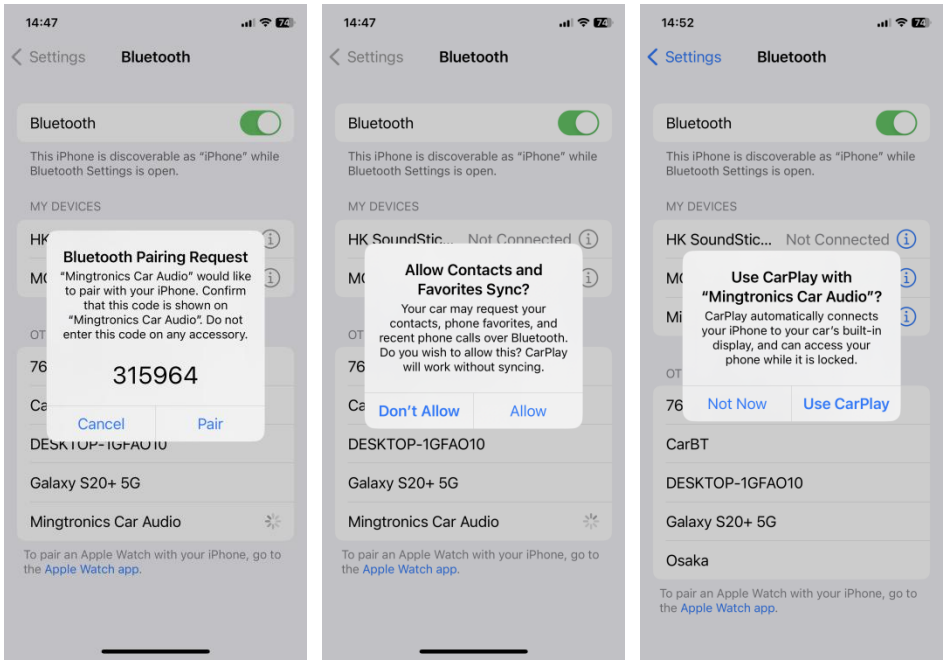
Click 

icon to enter the connection management page.

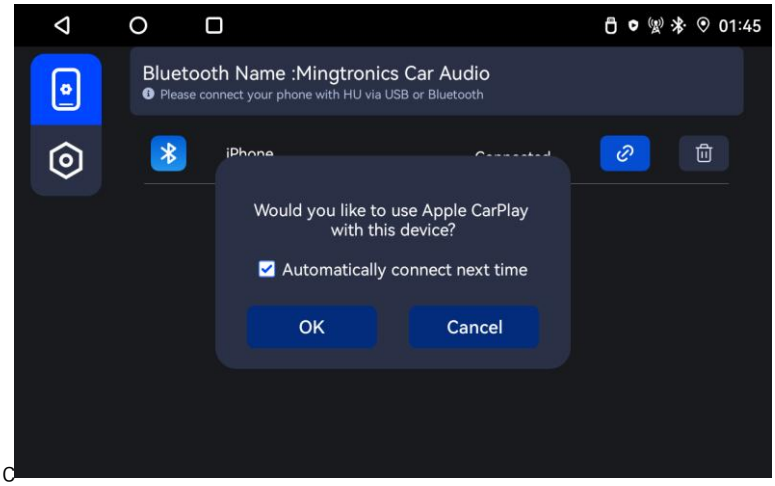
1. Turn on the Bluetooth and Wi-Fi function on your smartphone

2.Search the Bluetooth name "STINGER IF209E" from your smartphone.

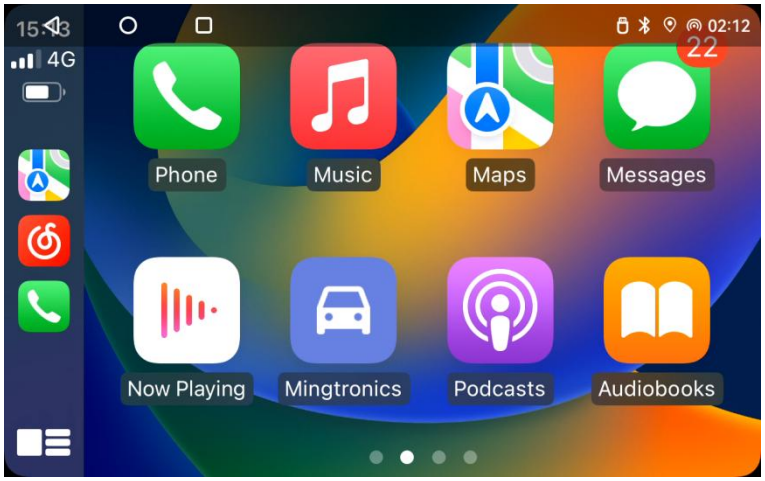
3.Click "STINGER IF209E" and confirm the request on the smartphone, then click to: **Use CarPlay**



The unit will pop-up this page, please click OK.



The CarPlay screen will display:



Note:

1.Requires iPhone running iOS 10 or newer versions.

2.If you want to switch to Android Auto or another phone, you need to turn off Bluetooth and Wi-Fi on your phone to disconnect the Apple CarPlay connection mode.

4.22 Android Auto

Android Auto enables you to use functions of your Android device convenient for driving. You can easily access route guidance, make calls, listen to music, and access convenient functions on the Android device while driving.

For details about Android Auto, visit:

https://www.android.com/auto/and https://support.google.com/androidauto.

Compatible Android devices

You can use Android Auto with Android devices of Android version 10 or newer with 5GHz Wi-Fi built in.

NOTE: Android Auto may not be available on all devices and is not available in all countries or regions.

Connection steps:

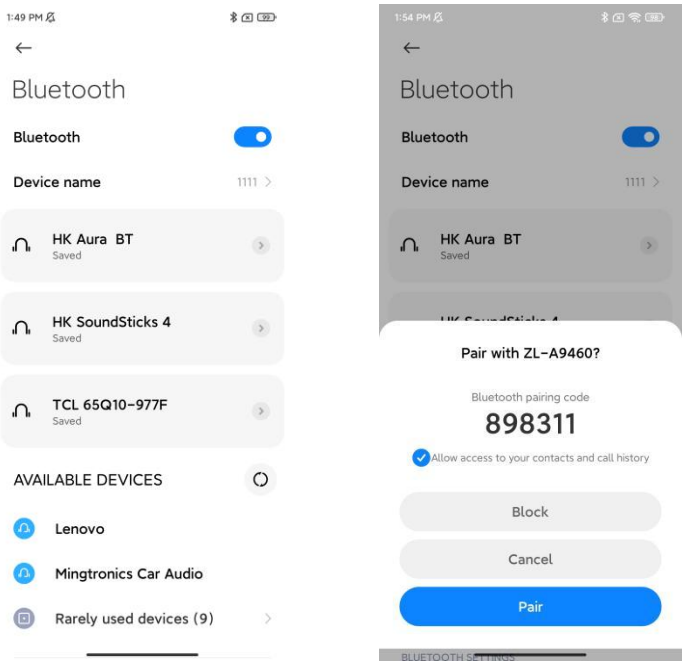
Click 

icon to enter the connection management page.

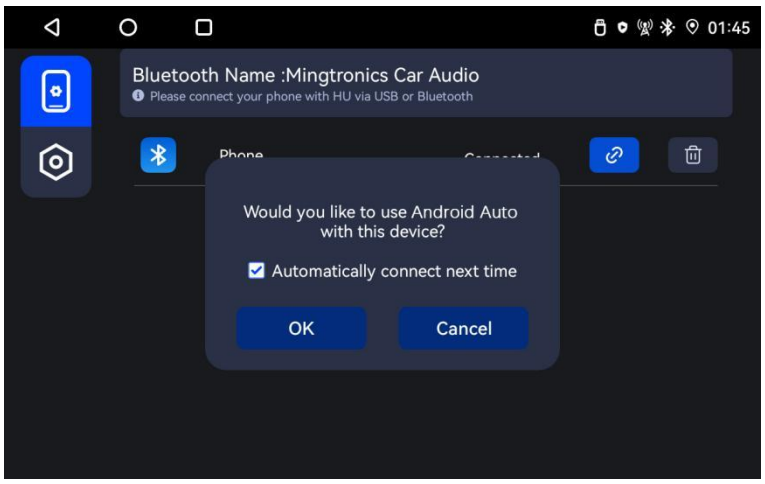
1.Turn on the Bluetooth and Wi-Fi function on your smartphone.

2.Search the Bluetooth name " STINGER IF209E" from your smartphone.

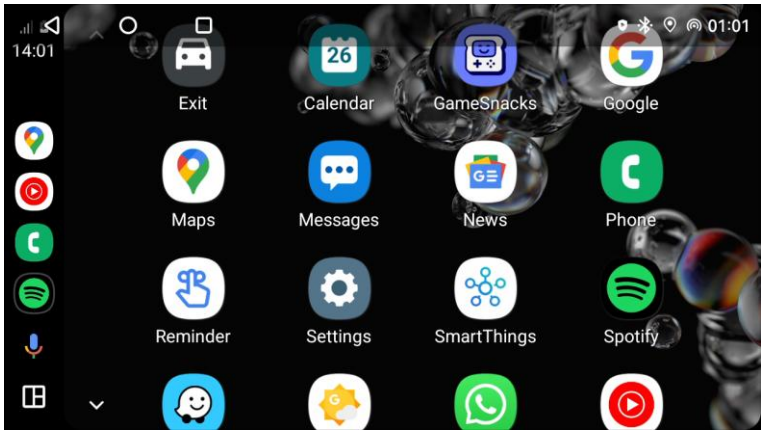
Then click to pair on the smartphone.



The unit will pop-up this page, please click OK.



The Android Auto screen will display:

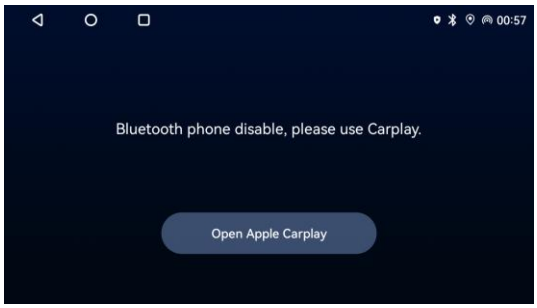


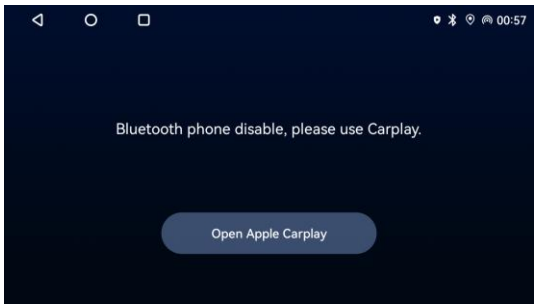
Note:

1.Requires phone running Android 11 or newer versions.

2.If you want to switch to CarPlay or another phone, you need to turn off Bluetooth and Wi-Fi on your phone and disconnect from Android Auto connection mode.

Note: Upon connecting to Wireless CarPlay or Wireless Android Auto, the Bluetooth music streaming and Bluetooth phone call functionalities will be temporarily disabled. You can return to wireless CarPlay or wireless Android Auto to make calls and listen to music

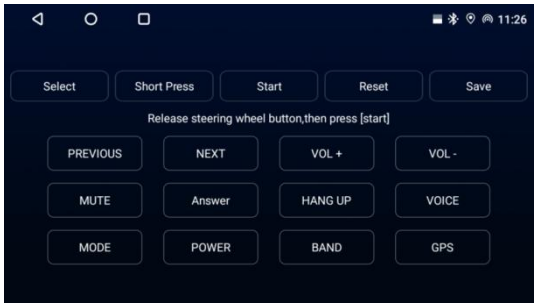




7.Steering Wheel Control

Select [**SWC**] in the Settings menu to enter SWC setting menu.

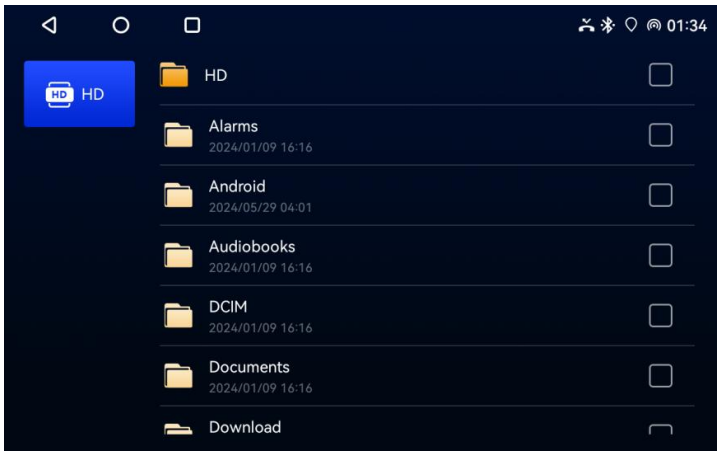
- Select a function icon on the screen.
- Short / Long press a steering wheel button.
- Repeat step 1 and 2 until all the settings are done.
- Touch [Save and Exit] after all buttons are set.
- To reset the programming, touch [Reset]





8.File Manager

- Select [Files] in the main menu to enter File Manager menu.
- Select the desired folder to access your files



9.Setting

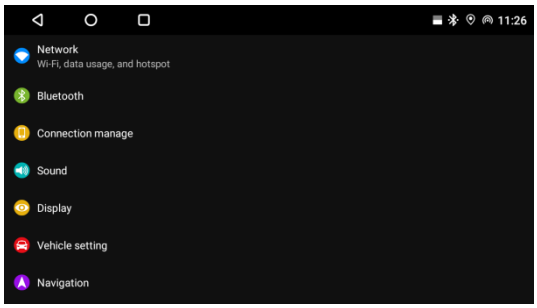
In the settings menu, you can adjust the basic
settings for the different functions of the device to your requirements.

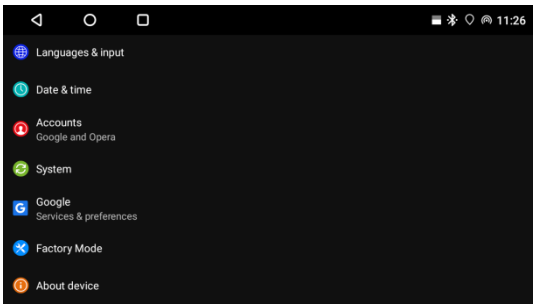
- In the main menu, press the [Settings] button.

The settings menu is displayed.

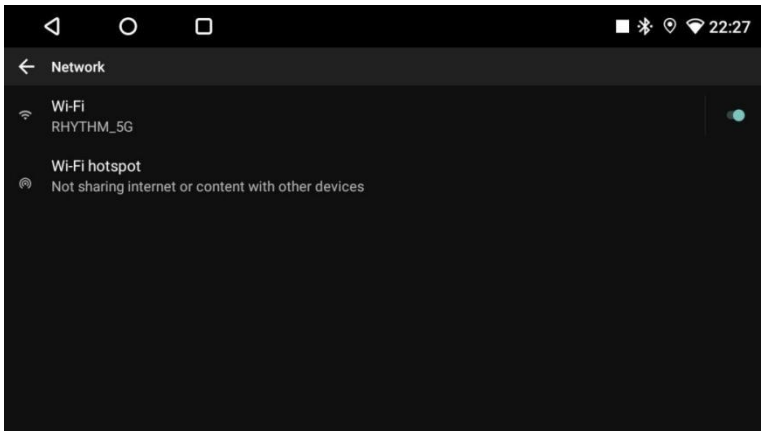
- Call up the submenus with the buttons in the lower area of the settings menu.

Important Note: Please exercise caution when adjusting certain settings, as unauthorized changes may result in unit malfunction. For assistance with advanced configurations or to ensure proper operation, it is highly recommended that you consult with your authorized dealer for guidance and support.





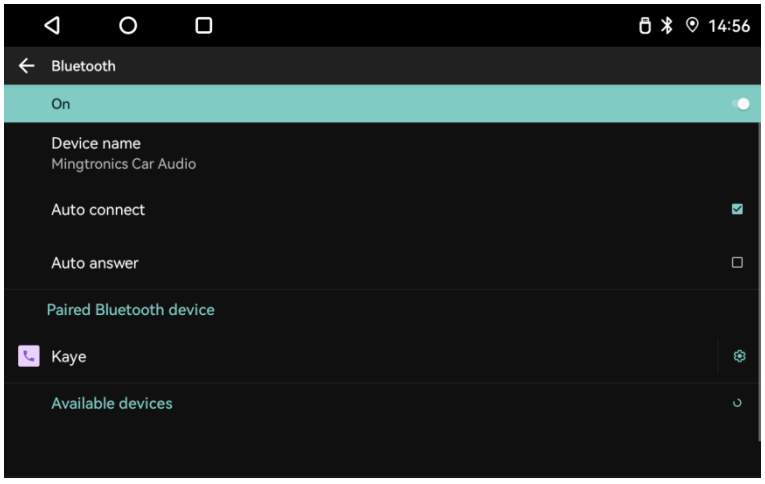
9.1 Network



Wi-Fi： Here, you can view available WLAN networks and select "Connect" to join a desired Wi-Fi network.

Wi-Fi Hotspot: You also have the option to enable your device as a Wi-Fi hotspot, allowing other devices to connect and share your internet connection.

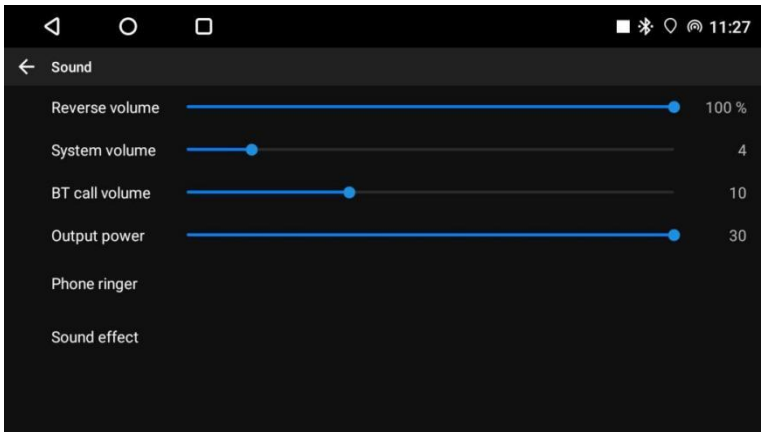
9.2 Bluetooth



You can manage your Bluetooth devices here.

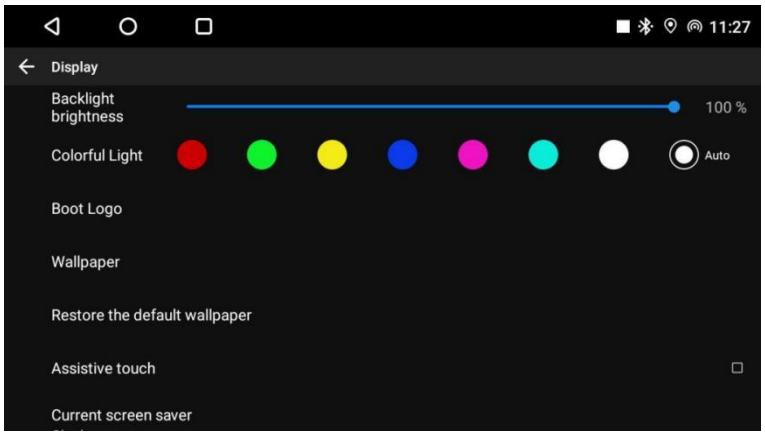
To deactivate the Bluetooth feature, turn off the "On" option if you want to turn off the Bluetooth feature. You can also adjust the settings for auto-connect and auto-answer here.

9.3 Sound



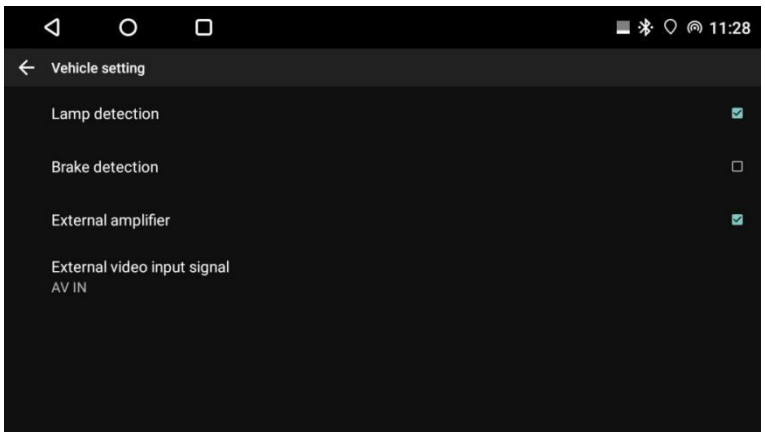
Here, you have the option to fine-tune the audio volume to your personal preference, ensuring an optimal listening experience.

9.4 Display



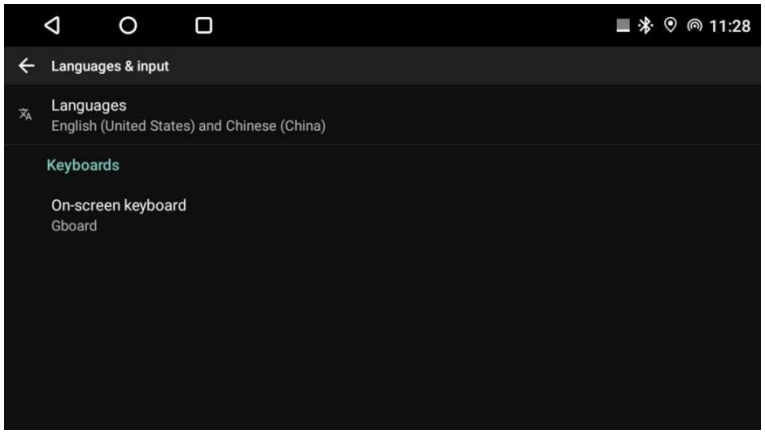
Here, you have the capability to customize your display by adjusting the screen brightness for optimal visibility. Additionally, you can personalize your interface by selecting new wallpaper and setting a custom boot logo to enhance the aesthetic of your device upon startup.

9.5 Vehicle setting



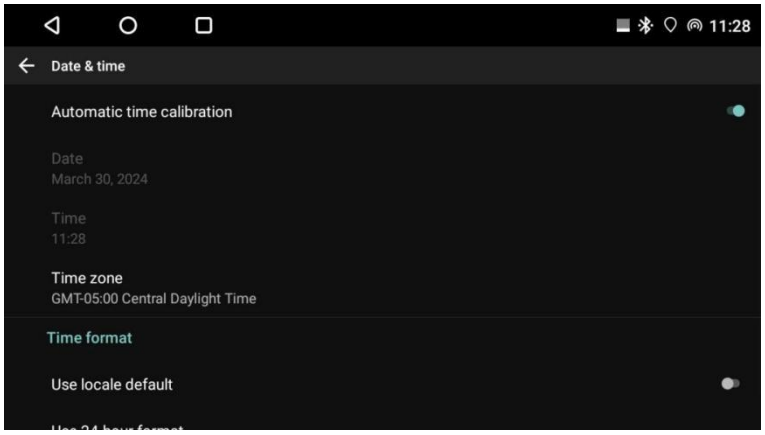
Here allows you to activate various vehicle-related features, including lamp detection for automatic lighting control, brake detection for safety enhancements, and the use of an external amplifier for improved audio performance.

9.6 Languages & input



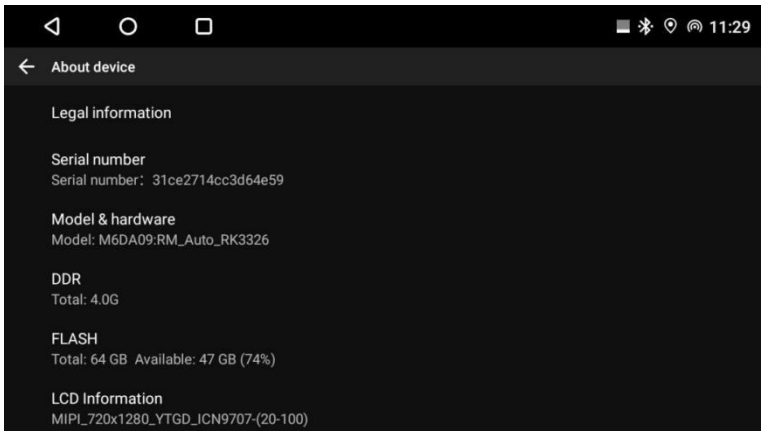
Here you can change the language or add more languages

9.7 Date & Time



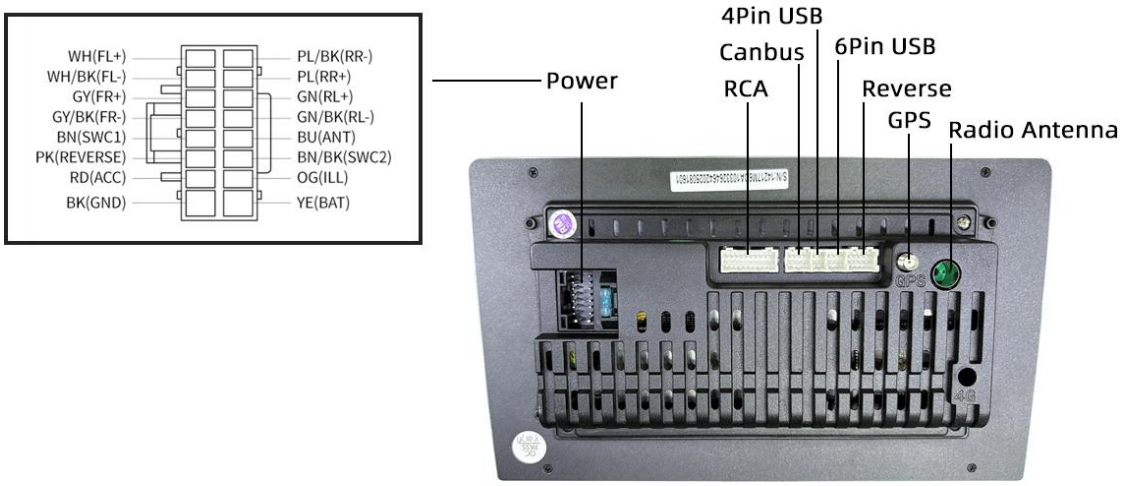
Here, you have the flexibility to modify the system language or add additional languages to accommodate your preferences and multilingual needs.

9.8 About device



Here you can view detailed information about your device, including the current unit head version and additional pertinent data.

10.Connection diagram



11.Troubleshooting

If the following faults have been eliminated and the problem still occurs, please contact your dealer.

Problem	Cause	Corrective action
General		
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
TFT monitor		
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.



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