

User Manual

Lenovo Automotive Electronics

WARNING & CAUTION

To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metallic tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- If you experience problems during installation, consult your Lenovo dealer.

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 unauthorized modification to the device. In case you need any assistance, please visit the nearest service center. The device should be open by an authorized 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 authorized 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 doubt, 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 application)
- **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 volume 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 following.

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 accident:

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 Phonerlink
- ✧ Use or download of Google Play Store / 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 the unit into the 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.

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 a 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.

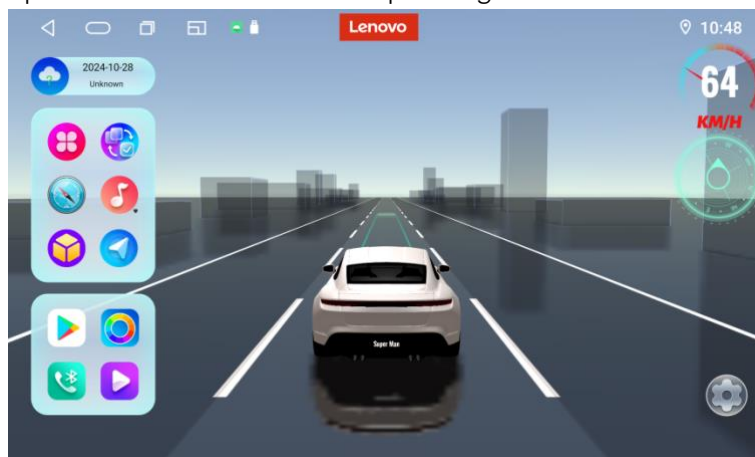
1. Features and Functions

- 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 32 preset sound effects.
- Built-in Bluetooth 5.4, supporting hands-free calls, phone book, and A2DP music streaming.
- Multimedia Player Compatibility with all formats.
- Back Camera input support. & support 360 Panorama.
- 2000 * 1200 QLED touch screen.
- 4 x 50W power output.
- Two rear USB inputs.
- Built in Wi-Fi & 4G Network
- Steering Wheel Control support.
- Full Speed Type-C port for different external devices
- DTS 5.1 Channel with Optical Fiber Output

2. Basic knowledge

2.1 Main interface

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

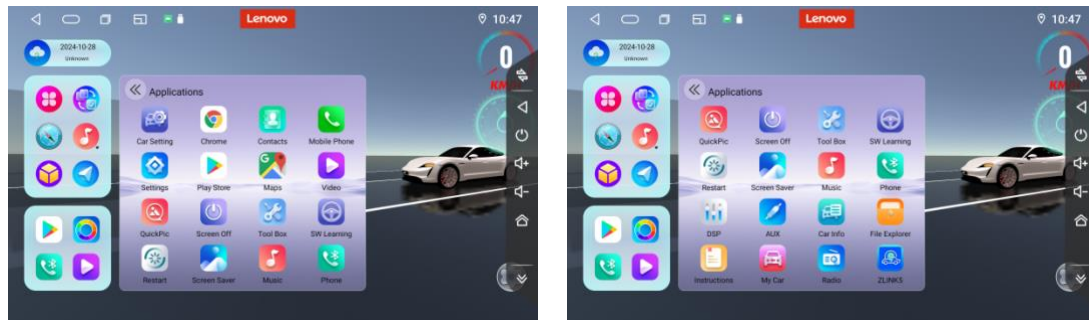


	Return to the previous level
	Return to the main page
	View the background that has been opened
	Turn off screen (Click the screen to light up the screen)
	Settings about Main screen interface

	Enter the secondary menu
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2.2 Application interface

Click the  icon to enter the secondary menu. Here you can browse the features of the car radio.



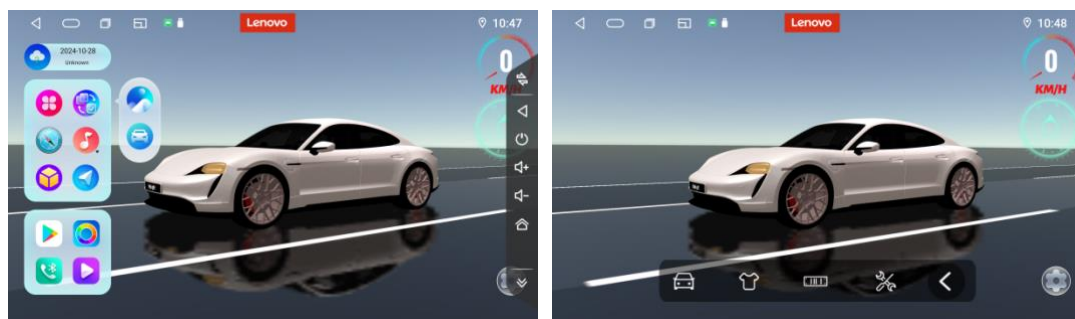
2.3 Screen saver settings

Click  icon, you can switch the main screen style.

2.31. Image Background Mode: Click  icon, and your screen will display a series of carefully curated images as the background, providing a visual treat for your car radio.



2.32. Car Theme Mode: Click  icon, and the screensaver will feature a cool car as the theme background, adding a dynamic touch to your car radio.

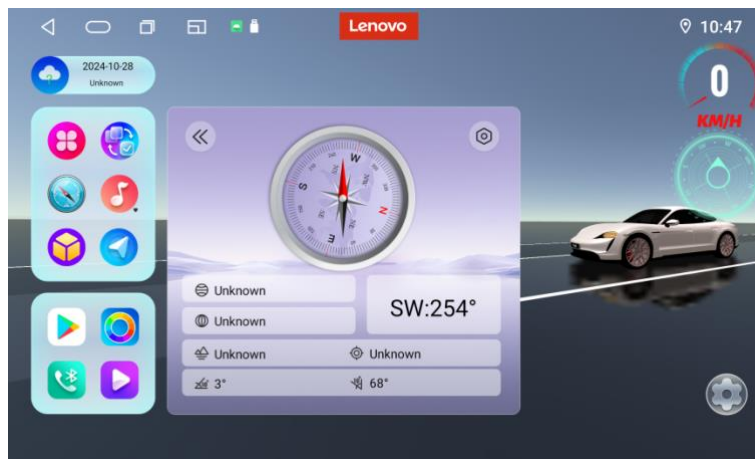


Additionally, we offer a personalized customization feature, click  icon allowing you to adjust the car's model and color according to your preferences, creating a one-of-a-kind screensaver effect.

	User can select the car model they want
	User can adjust the car color according to their preferences.
	User can input the license plate number.
	User can customize the layout of the dashboard and whether to display scene weather, scene time and other information.
	Back to main page.

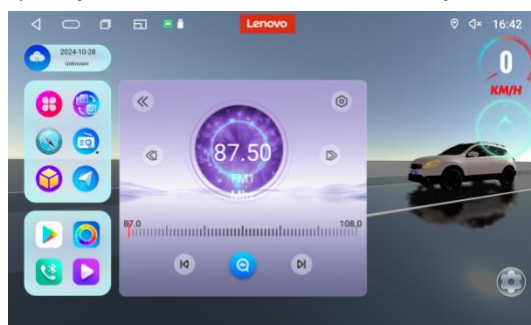
2.4 Compass

Click [] icon, user can easily view compass information.

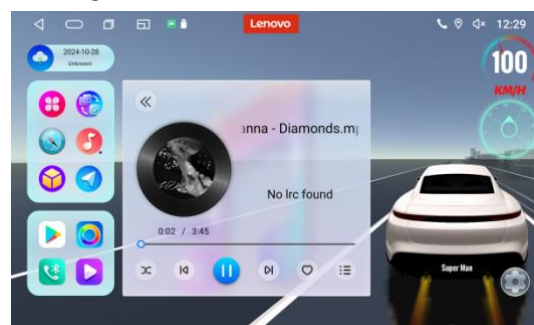


2.5 Multimedia-Audio Source

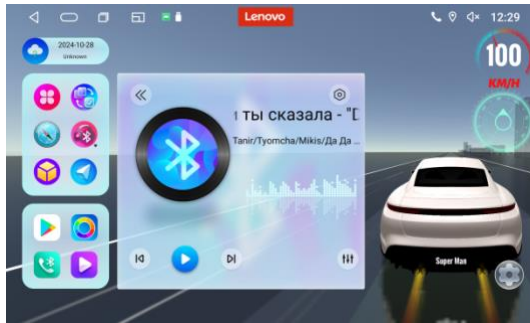
Click [] icon. A variety of audio sources are brought together, it allows user to easily and quickly access the audio content they want, including radio , music, and Bluetooth music.



Radio



BT music



Music

2.6 More Apps



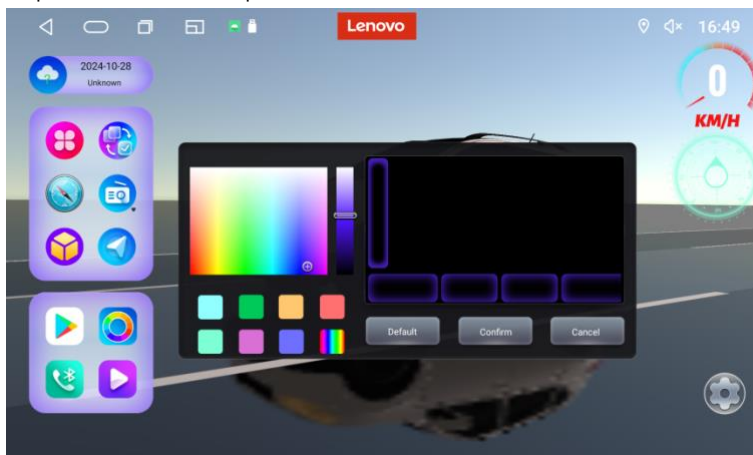
Click [] icon. User can place frequently used applications in this column for quick access and use.



2.7 Taskbar color settings

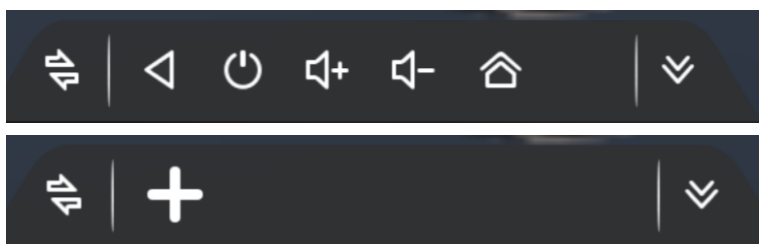


Click [] icon. User can personalize the appearance of the taskbar and change its color to improve the user experience.



2.8 Control Bar

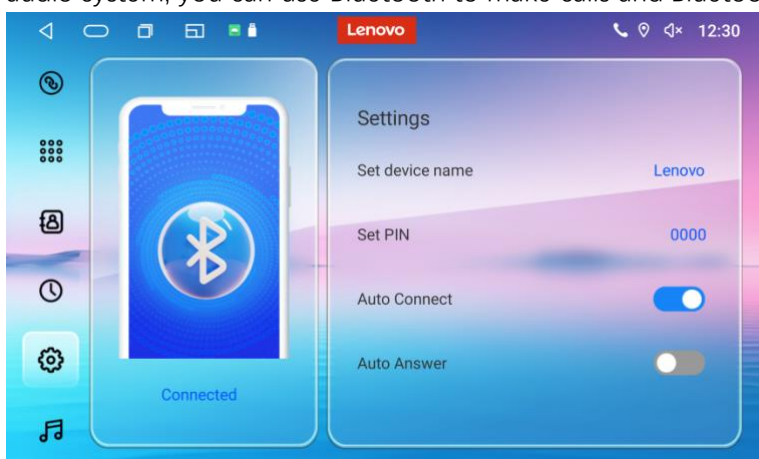
Swipe Up from the edge: When you swipe up from the edge of the screen, the status bar will appear.



	To the next toolbar or go back to the previous toolbar
	Back
	Long press to turn off the screen Short press to mute
	Volume plus
	Volume down
	Home
	Shortcut : Add your frequently used apps
	Hide the control bar

3. Bluetooth Connection

Tap the **Bluetooth** 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.



3.1 BT-Phone

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 dialed numbers and the phone book of the registered cell phone and you can play the music via the car sound system and control the playback.



:The dial keypad.

:Call up records lists.

:Call up phone book.

:Bluetooth music

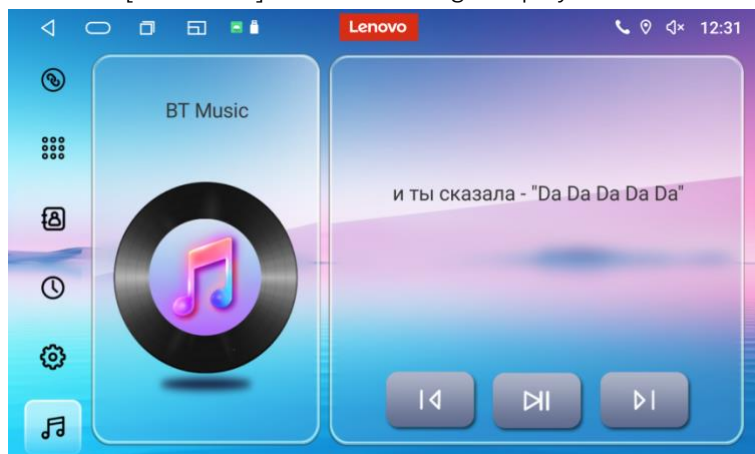
:Bluetooth pairing bar

:Bluetooth settings page

3.2 BT Music

If an audio streaming device is connected with 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.

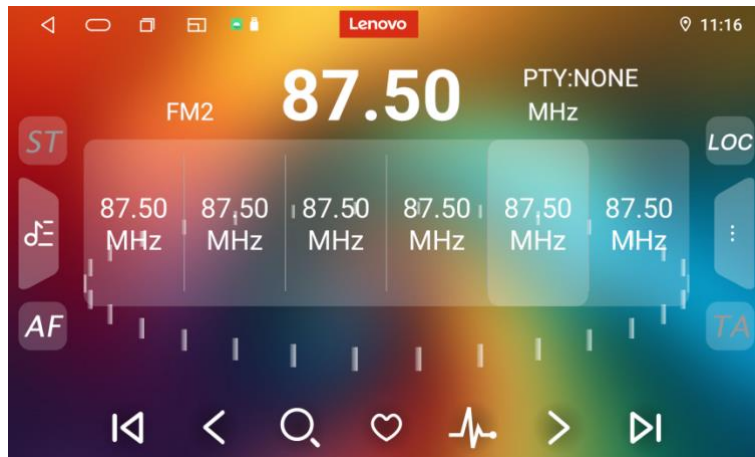


4. Radio

4.1 Radio Interface Function

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

Most functions can be controlled from the source control screen.



:Press for manual frequency search backward.

:Press for manual frequency search forward.

:Switch to last stored channel.

:Switch to next stored channel.

:Change band type.

:Search and storage the nearby channels automatically.

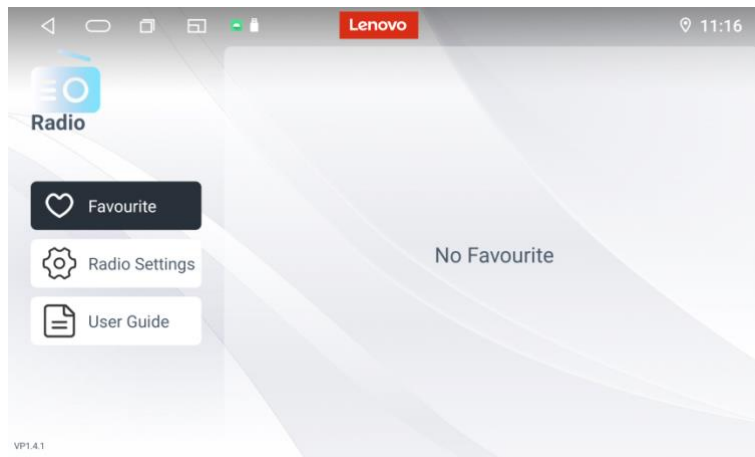
:Save this frequency to your favourite.

:Enter the radio settings page.

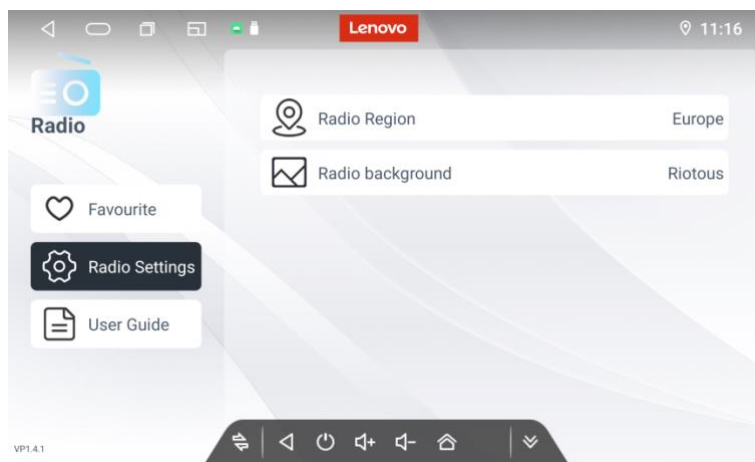
4.2 Radio Settings.

Click  icon to enter radio settings.

User can view your favorite channels.



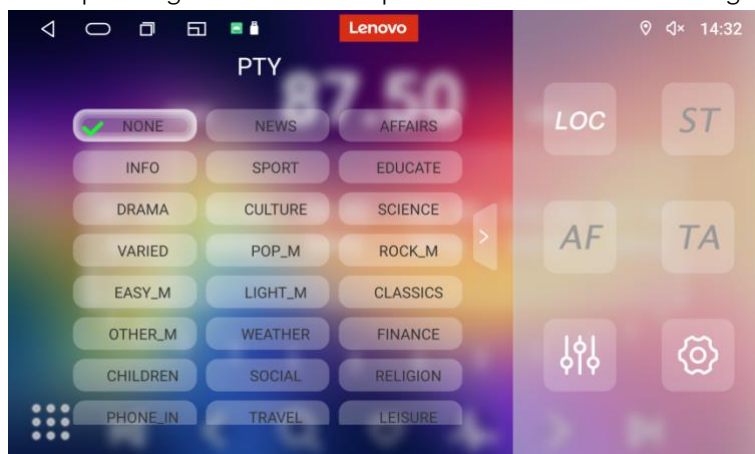
On this radio settings page, user can adjust the "Radio Region" settings and customize the "Radio background." In addition, user can easily access the "User Guide" for more operating instructions and information.



4.3 Radio Channel Settings

Click[] icon to enter Channel Settings.

User can select different program types, covering a variety of radio program categories, such as news, sports, music, etc. User can also adjust the radio's LOC, ST, AF, TA and other modes. In addition, user can enter the EQ setting mode and Radio Settings by clicking the corresponding icons to further personalize the radio listening experience.



5. DSP Setting

This car head unit provides a wealth of sound adjustment options, in conjunction with the relevant amplifier equipment for better results.

5.1 Digital surround

Enabling DTS mode, user can adjust the sound digital effect settings.

Scene Mode, Virtual Centre, Sound Focusing, Surround Mode, and Bass Boost all add up to a comprehensive audio enhancement system that makes audio output richer and more dynamic.



5.2 Sound effect

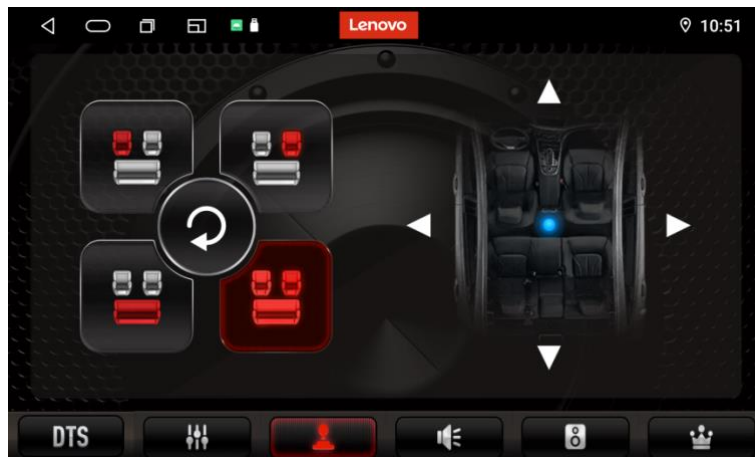
We provides 32 bands EQ adjustment options. What's more, you can adjust the Q and G values directly.

The adjustable range of each frequency:-12~12.



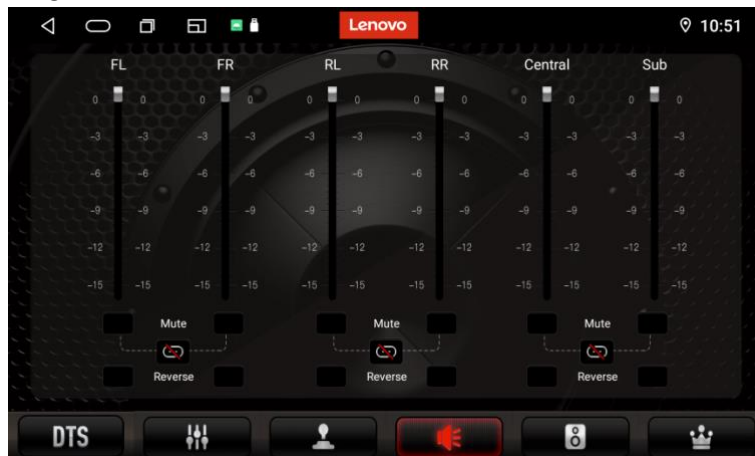
5.3 Fad-Bal

The user can select and adjust the position of the standard, main driver and full car modes in the sound field position.



5.4 X-Over

User can adjust the gain according to the speakers and cables you are using. Adjustable range: 0~-15.



5.5 Filter mode

Filters for the front, center, rear, and subwoofer. Here you can also active the DBB and 3D sound mode.



5.6 Delay

There are two basic sound channel models (4 channel and 5.1 channel) setting. User can also set the delay for each speaker and subwoofer, including time delay and distance delay. The distance delay maximum adjustable is 476.0 cm. The time delay adjustable range is 0~14 ms.



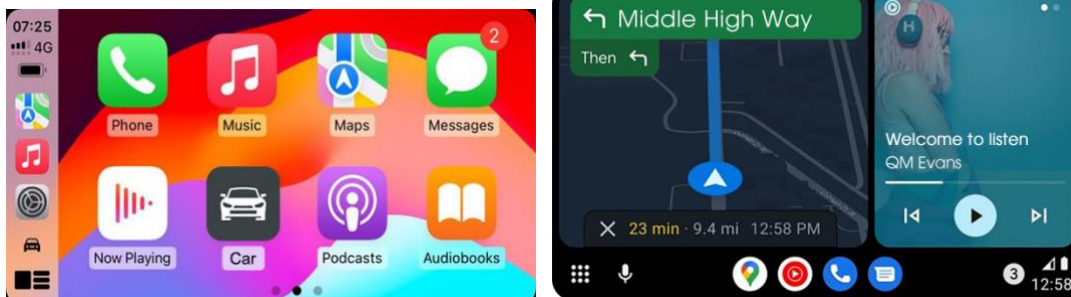
6. Intelligent vehicle interconnection

Using "Zlink5", realize the CarPlay, Android Auto and Mirror Link functions of smartphones, and enhance the seamless connection experience between vehicles and smart devices. Through Zlink5, user can easily expand the functions of their mobile phones to the vehicle system and enjoy a more intelligent and convenient driving experience.

6.1 CarPlay/Android Auto

CarPlay & Android Auto is a smart and safe way to use your iPhone or Android smartphone while driving. It integrates your favorite apps with the vehicle's display and control systems, allowing you to use navigation, communication, music and more while staying focused on driving.

Enter to [Zlink5], connect your iPhone / Android Phone through Bluetooth/USB to the device. And follow the steps in the APP according the instruction displayed.



6.2 Mirror Link

In Zlink5, you can also use the mirror link function for both wired and wireless. You can follow the steps in the app.

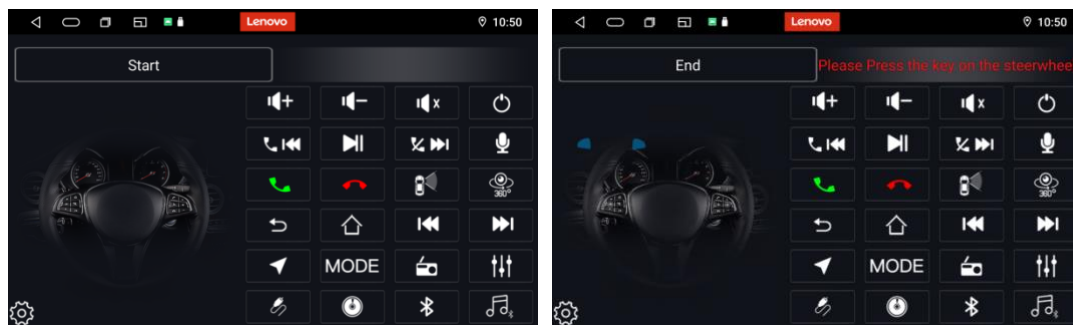


Note:

- 1.If you don't see a popup on your phone about use CarPlay after connecting Bluetooth, please ignore it and reconnect or restart your phone.
2. Hotspot cannot use concurrently with CarPlay & Android Auto.
3. Device can only recognize one mobile device pairing.

7.Steering Wheel Control

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



Click[Start].

Select a function icon on the screen.

Please press the corresponding button on the steering wheel until the function appears.

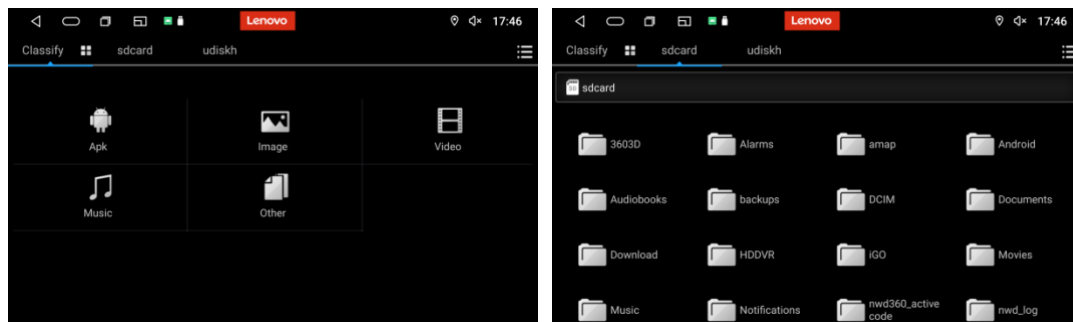
Touch [End] after all buttons are set.

To reset the programming, touch [Reset].

8.File Manager

Select [File manager] in the main menu to enter File Manager menu.

Select the desired folder to access your files



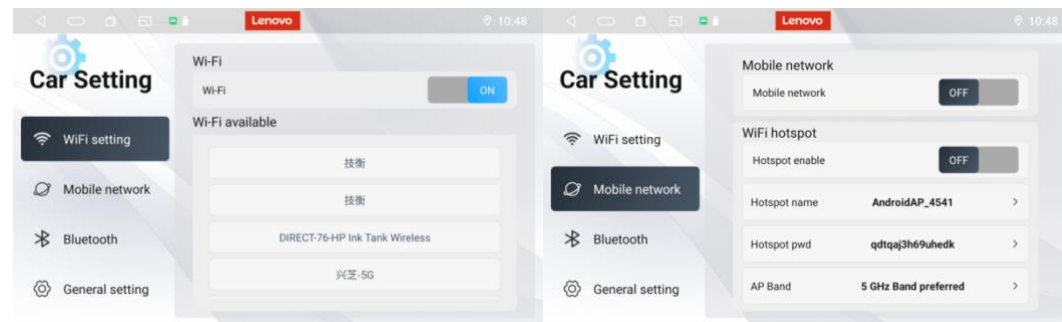
9.Car Settings

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

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.

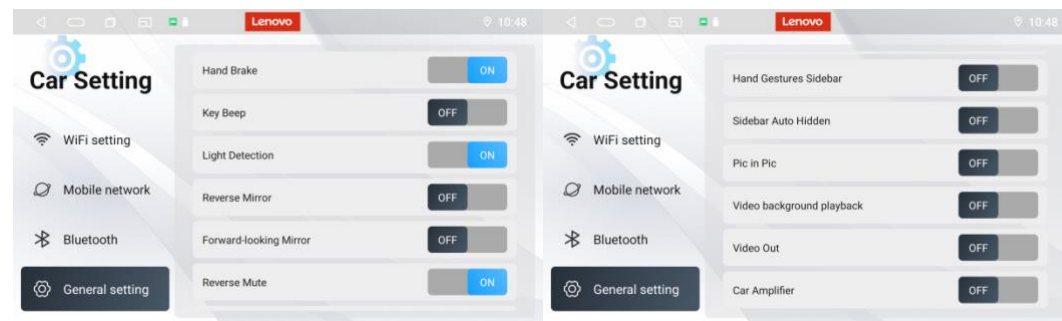
9.1 Network setting& Bluetooth

Connect the heat unit to the WiFi network, manage the 4G network of the heat unit, and optionally enable the wireless hotspot sharing function. At the same time, set up, pair, and manage the Bluetooth devices connected to the host unit.



9.2 General setting

User can perform general operations here.



Hand Brake: Turn on the option, then the device will not allow drivers to watch video during driving due to safety reason.

Key Beep: Turn on the option each touch will make a sound.

Light Detection: Turn on the option will automatically adjusts the screen brightness .

Reverse Mirror: Turn on the option the reversing image will display.

Forward-looking Mirror: Turn on the option the forward image will display.

Reverse Mute: When press this on, all the sound of any other APP will mute automatically when you reverse your car.

Hand Gestures Sidebar: Turn on the option allows the user to control the display and hiding of the sidebar with gestures.

Sidebar Auto Hidden: Turn on the option will automatically hide the sidebar.

Pic in Pic: Turn on the option will allow the video to run in small window mode on top of other apps.

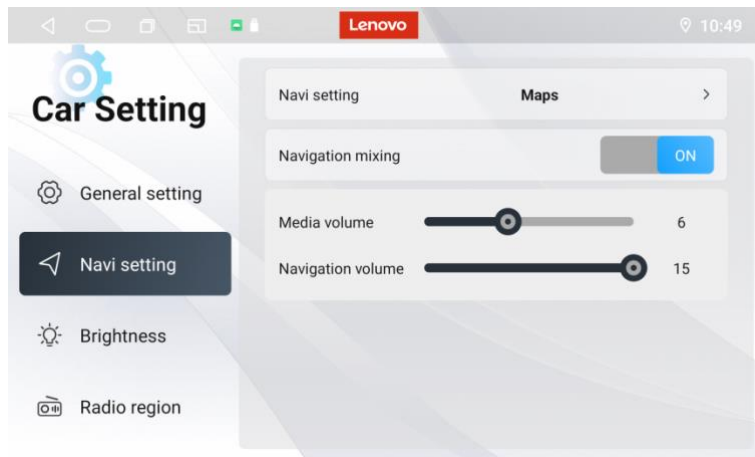
Video background playback: If you need to watch a video while driving, turn on the option

Video Out: Turn on the option will allow the video to be output to other devices.

Car Amplifier: If you connect an amplifier, Turn on the option will make the RCA cable get power.

9.3 Navi setting

User can set up the navigation app here, and adjust the volume in different mode.



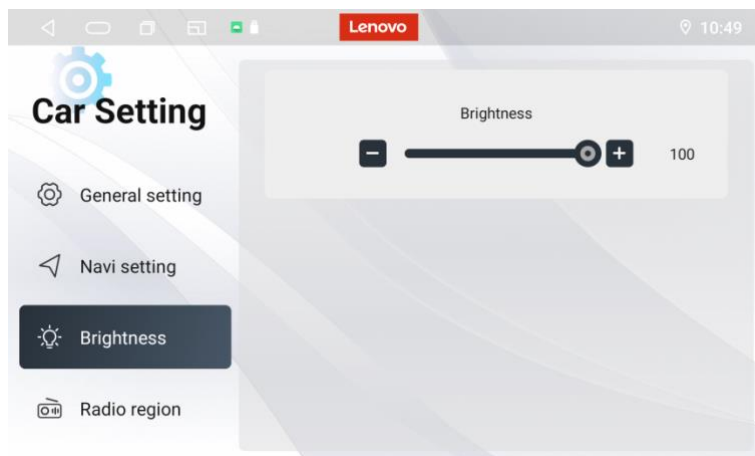
Navi settings: Choose your favourite navigation app as the default one.

Navigation Mixing: When you have this option on, you can have the music sound and GPS sound at the same time.

Media & Navigation volume: You can adjust the sound of navigation, Bluetooth, and other entertainment information separately and in detail.

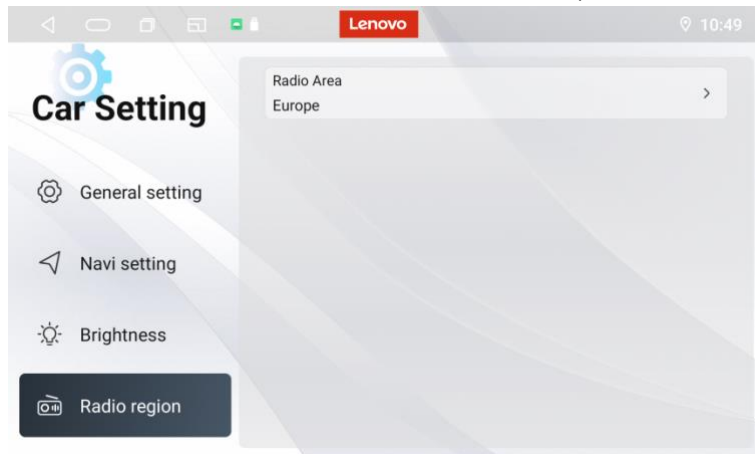
9.4 Brightness

User can use this interface to adjust the screen brightness of the vehicle host from 0 to 100 to suit different visual needs.



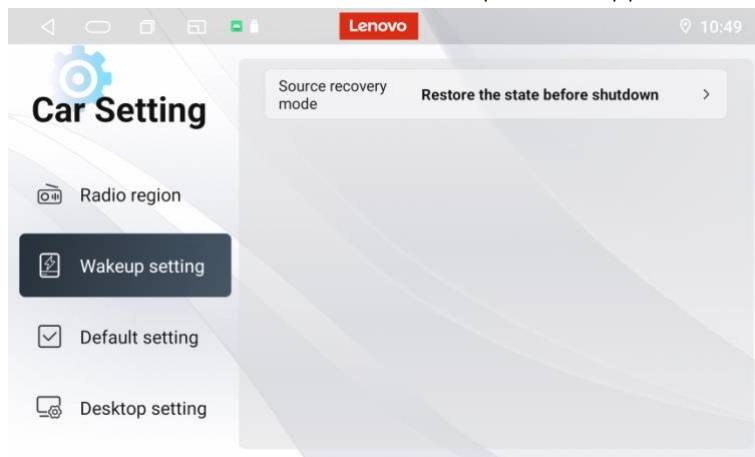
9.5 Radio region

User can set the radio area in this interface to optimize broadcast reception.



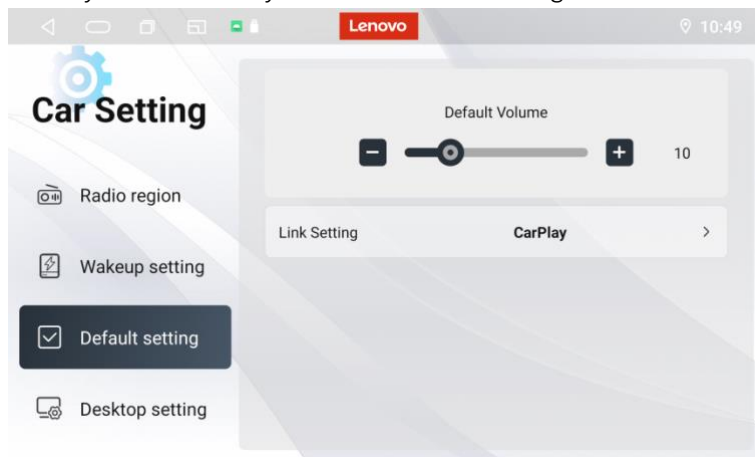
9.6 Wakeup setting

User can set the wake-up state here and select different startup modes, including Restore the state before Shutdown/Launcher/Startup default application.



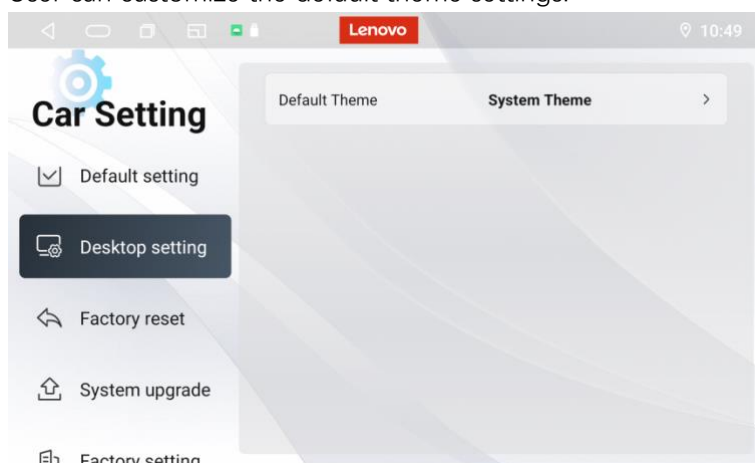
9.7 Default setting

User can adjust the default volume from 0 to 40 on this interface, and choose to enable CarPlay or not link any services in "Link Setting".



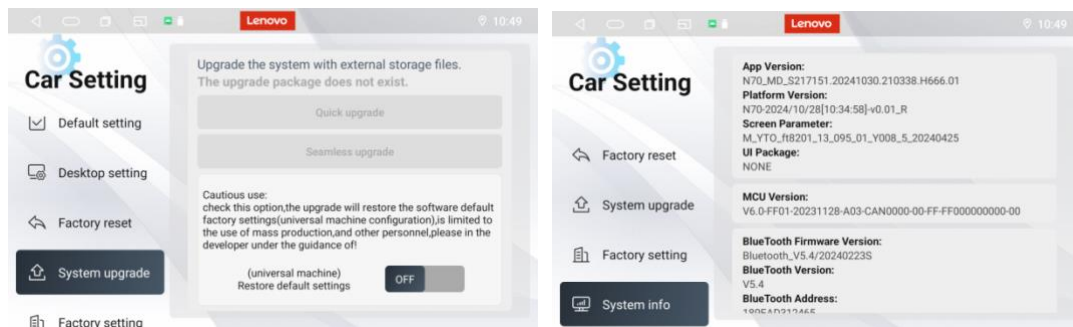
9.8 Desktop setting

User can customize the default theme settings.



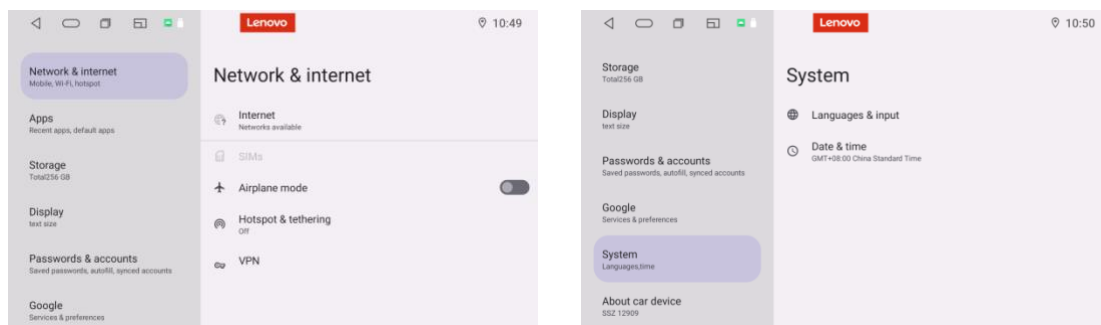
9.9 System settings

User can view the software version of the head unit and upgrade the system. If you encounter problems and need to go into the factory settings, please consult your dealer before operating to prevent improper settings that may cause the head unit to malfunction.

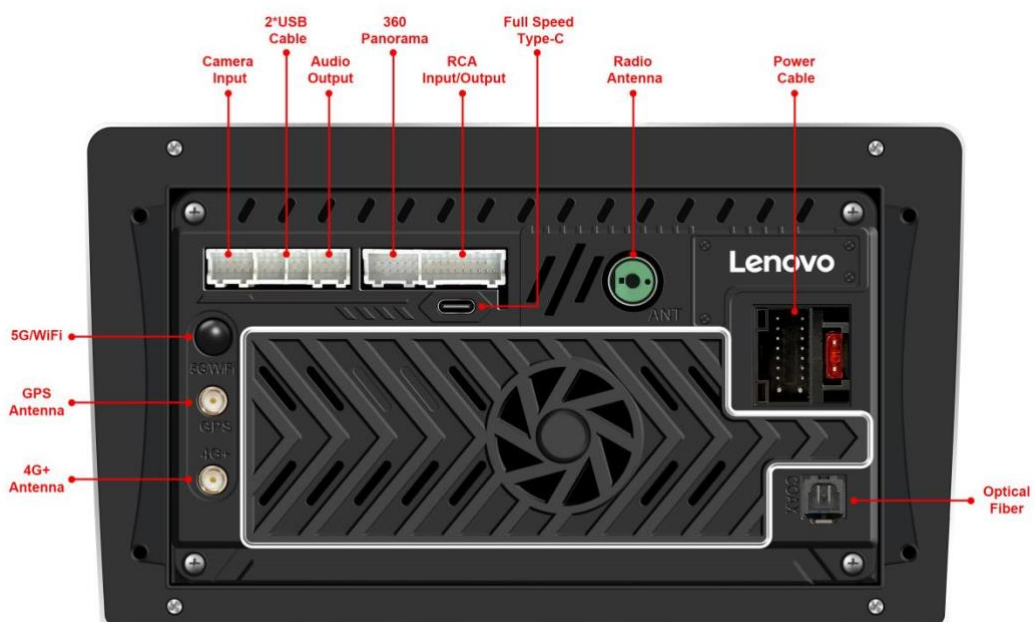


10.Settings

This settings interface provides user with comprehensive configuration options, including network and Internet connections, application management, storage space viewing, display settings (such as brightness and font size), password and account synchronization, Google service preferences, and system language, etc. User can easily adjust network settings, screen brightness, font size, and language options here.



11.Installation Diagram



12.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.