Android Car Stereo

User Manual

Foreword

Thank you for purchasing this Car Radio from our company.

• Please read all the information attached with it, this manual had introduced almost all the functions of this product, so you will know how to operate your machine properly and safely, make sure the operation is more convenient, after you have finished reading this user manual, please keep it well for future operation reference.

• This operation manual for product specifications and information are only for reference, the display picture of this manual in the examples may be different from the actual user interface, please refer to your actual machine.

• If any parameters changed while products continue to upgrade in the future, we will be without further notice in this manual about the performance and function improvements, thank you for your understanding and support!

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Precaution

Be sure to observe the following guidelines:

- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle, the use of headphones may create a traffic hazard and is illegal in many areas.

Important safety information

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not allow this product to come into contact with liquids. Or it could result in Electrical shock. Also, damage to the product. Smoke and overheating could result from contacting with liquids. If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch off(ACC OFF) immediately and consult your seller. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
- If you notice smoke, a strange noise or odor from this product, or any other abnormal sign on the LCD screen, turn off the power immediately and consult the seller. Using this product in this condition may result in permanent damage to the system.

Before using this product, be sure to read and fully understand the following safety information:

- Do not operate this product, any applications, or the rear view camera option(if purchased) if doing so will divert your attention in any way from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating this product or reading the display, park your vehicle in a safe location and apply the parking brake before making the necessary adjustment.

- Never set the volume of this product so high or you can not hear outside traffic and emergency vehicles.
- To promote safety, certain functions are disable unless the vehicle is stopped and/or the parking brake in applied.
- Keep this manual handy as a reference for operating procedure and safety information.
- Do not install this product when it may (1)obstruct the driver's vision,(2)impair the performance of any of the vehicle's operating systems of safety features, including air bags or hazard lamp buttons or (3) impair the driver's ability to safely operate the vehicle.
- Please remember to fasten your seat belt at all times while driving your car. If you are ever in an accident, your injuries can be considerably more severe if your seat belt in not properly buckled.
- Never use headphones while driving.

Parking brake interlock

Certain functions (such as viewing of video image) offered by this product could be dangerous(possibly resulting in serious injury or death)and /or unlawful if used while driving. To prevent such functions from being used while the vehicle is in motion, there is an interlock system that senses when the parking brake in set and when the vehicle in moving. If you attempt to use the functions described above while driving, they will become disable until you stop the vehicle in a safe place, and (1) apply the parking brake, (2) release the parking brake, and then (3) apply the parking brake again. please keep the brake pedal pushed down before releasing the parking brake.

To avoid battery exhaustion

Be sure to run the vehicle engine while using this product. Using this product without running the engine can drain the battery.

⚠ WARNING

Do not install this product in a vehicle that does not have an ACC wire or dead circuitry.

Rear view camera

With an optional rear view camera, you are able to use this product as an aid to keep an eye on trailers, or backing into a tight parking spot.

⚠ WARNING

- Screen image may appear reversed
- Use input only for reverse or mirror image rear view camera. Other use may result in injury or damage

⚠ CAUTION

The rear view mode is to use this product as an aid to keep an eye on the trailers, or while backing up. Do not use this function for entertainment purposes.

Handling the USB/SD connector

⚠ CAUTION

- To prevent data loss and damage to the storage device, never remove it from this product while data is being transferred.
- We can not guarantee compatibility with all USB/SD mass storage devices and assumes no responsibility for any loss of data on media players, iPhone, smart phones, or other devices while using this product.

Protecting the LCD panel and screen

- Do not expose the LCD screen to direst sunlight when this product is not used. This may result in LCD screen malfunction due to the resulting high temperatures.
- When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of spots, colored stripes, etc.
- To protect the LCD screen from damage, be sure to touch the touch panel keys only with your finger and do so gently.

Connection

⚠ WARNING

We does not recommend that you install this product yourself. This product is designed for professional installation only. We recommend that only the person who have special training and experience in mobile electronics to set up and install this product. Installing or servicing this product and its connecting cables may expose you to the risk of electric shock or other hazards, and can cause damage to this product that is not covered by warranty.

◆ Before installing this product

(1) This product use for the vehicle with 12V battery and negative GND. Before the installation, check the battery voltage.

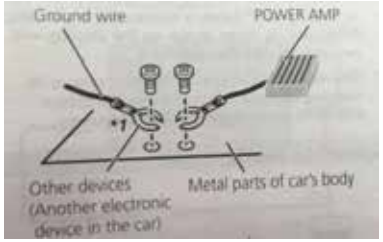
(2) In order to avoid short-circuit system, installed prior to the proposed removal of battery negative(-)

(3) Do not bypass the fuse of the device to connect to the battery directly.

To prevent damage

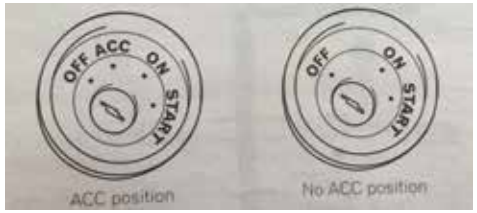
⚠ WARNING

- Use speakers over 50W(output value) and between 4Ω to 8Ω (impedance value). Do not use 1Ω to 3Ω speakers for this product.
- The black cable is ground. when installing this unit or power amp, make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the power amp and one of this unit or any other device must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire Generation of smoke or malfunction.



1 Non supplied for this product

- When replacing the fuse, be sure to only use a fuse of the rating prescribed on this product.
- This product can not be installed in a vehicle without ACC (accessory) position on the ignition switch.



- To avoid short-circuiting, cover the disconnected lead with insulating tape. It is especially important to insulate all unused speaker leads, it would cause a short circuit if one of the unused speaker leads being left uncovered.
- For connecting a power amp or other device to this product,refer to the manual for the product to be connected.

Notice for the blue ANT lead

When the ignition switch is turn on (ACC ON), a control signal is output through the blue ANT lead. Connect to an external power amp's system remote control terminal, the auto-antenna relay control terminal, or the antenna booster power control terminal (max.300mA 12V DC). The control signal is output through this blue lead, even if the audio source is switched off.

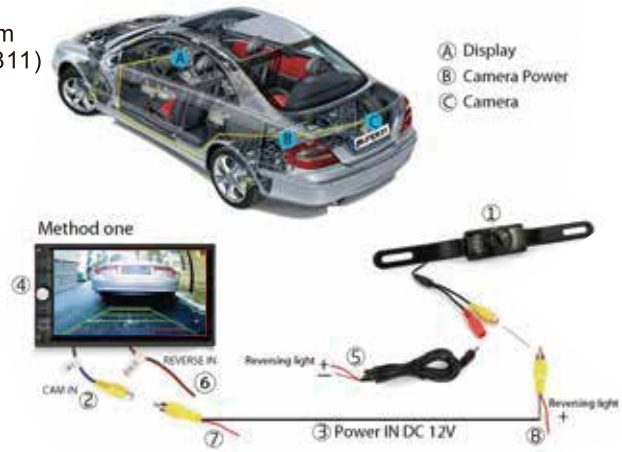
Parking Brake Cable

1. If "BRAKE" cable is connected to parking brake switch, video image on the display will be controlled by this function.
2. The monitor displays the black screen with warning information to prevent the driver watching video contents during driving.
3. If "BRAKE" cable is connected to ground, video can display on the screen without warning anytime. For safety, we do not recommend this for you.

Rear view camera

When you use the rear view camera, the rear view image is to automatically switch from the video by moving the shift lever to REVERSE(R). Please make sure you connect the camera correctly.

Wiring Diagram
(Example: Y0811)



① Rear view camera Y0811 (sold separately)
② CAM-IN video input (Connect rear view camera to CAM-IN cable only. Do not connect any other equipment)
③ RCA cable (supplied with the camera)
④ Demo unit
⑤ Power supply (12V from rear lamp)
⑥ REVERSE-IN cable (REVERSE-GEAR SIGNAL INPUT), connect it to ⑦ reverse cable from camera
⑦ Reverse cable, connect to ⑥ REVERSE-IN cable from unit
⑧ Reverse cable, connect to 12V+ from rear lamp

Turn On/Off the Unit

Starting up

If the unit power off by pulled out the car key last time, when you insert the car key again, the unit will be power on automatically.
If the unit power off by long pressing the POWER button, the unit will power on again by long press the POWER button.

Power off

The system will power off by pull out the car key. The system will power off by long pressing the power button. (depends on the different models)

Navigation

Place GPS antenna

1) To install the GPS antenna in the inner of the car (on the rear shell) with good reception(usually on the right side under the windshield), please try to make the metal plate stick on the horizontal lever so that the GPS antenna towards the window.
GPS antenna should be placed on the metal plate.(GPS antenna fixed by magnetic.)

2) To install an external antenna (on the car), GPS antenna will be placed in a level position as far as possible, such as roof or cover suitcase department. (By a fixed magnetic body.)

⚠ **NOTE:** The GPS antenna must be adsorbed in metal plates, can't be obstructed. And some models of vehicle do not allow glass windows GPS satellite signal penetration. Then, the GPS antenna should be installed at the outside of the vehicle.

After place the antenna, open the GPS TEST app to check GPS satellites reception, there need be more than 3 satellites for positioning

NAVI apps

Support online and offline navigation apps:

Online apps: such as Google maps, Waze, etc. Need to connect internet data. Just need to install the apps, using the map data from internet .

Offline apps: such as Sygic, Navitel, etc. No need to connect internet. Need to load the NAVI app and map data into SD/USB storage, or internal memory .

After install the Navi app, if you want to set default map software that you installed, just go to the setting—Navigation—Navigation application options to select the navigation software.

While in NAVI mode, you can still listen to music/radio which from other function, please enter into the setting---Navigation settings---click Navigation monitoring, then set the Navigation mixing ratio. (It will reduce other function sound when GPS give guidance sound.)

Main interface

1. Time Widget
2. Radio Widget

Radio function

Click the Radio icon to enter the following radio menu.

1.Return to the homepage, the radio will still keep running at the backstage.
2.Return and exit radio function.
3.Slide to switch the radio station.
4.Manually switch to the previous radio station.
5.Manually switch to the next radio station.
6.TA/AF/PTY (turn on AF icon to search RDS radio stations).
7.Automatically search radio stations, it can be stopped when click it again.
8.ST mode
9.LOC mode
10.AM band
11.FM band
12. Search and saved radio stations.

Tips for Radio Operation

When you are listening to the favorite radio, long press the P1 to P6 icon at the bottom, your frequency will be storage to this channel.
The radio can store 18 stations in FM wave and 12 stations in AM wave band. Fingers slide to the left can choose other stations

- AM frequency range: 522-1620 (Europe), 530-1710 (America), 522-1620 (Russia)
  FM frequency range: 87.5-108 (Europe), 87.5-107.9 (America), 65.0-108.0 (Russia)
- FM radio signal is stronger at the center of the city, usually receive in stereo way. However, in the remote area or rainy and foggy weather, the radio signal is not stable, usually switch to mono mode to improve the effect of radio, click the "LOC" icon to turn on/off stereo effect.
- Radio antenna: we do not provide radio antenna, it requires to connect the original radio antenna from your car to the universal radio slot of the unit, radio antenna adapter is not included, please buy the correct radio adapter for your car if needed.

⚠ **NOTE:** for some cars, the factory radio antenna need to be connected with +12V power, please make sure it is connected correctly. If NO 12V+ power to the radio antenna, you will get a bad radio reception.

About RDS radio

Click "PTY" to enable the PTY(program Type) function. When this function is enabled it will limit the radio turning to the current category, such as“Sport”, When“Sport”is selected, then you can only scan/select "Sport" station.

Click "AF" to enable the AF function. after this function is enabled (if that is available in your area), when the RDS signal becomes weak, it will automatically search for another station with stronger frequency which is available.

Click "TA" to enable the TA(traffic announcement) function. when this function is enabled(if that is available in your area), local emergency traffic alerts will be mandatory announced when you listen to the radio.

Bluetooth Function

Connect mobile phone

1.Touch the icon "Bluetooth" to enter the Bluetooth function.

2.Press " " to check the device name and the PIN password.

3.Turn on the Bluetooth of your mobile phone, search the Bluetooth device, find out the Bluetooth name of this device, press the device name on the phone, it will appear the pair window, input the PIN number 0000 to confirm paring. You can also click the search button on the device to search for Bluetooth device of your phone (Bluetooth mobile phone settings "detect ability" to open), then click it for pairing connection.

1. Search for Bluetooth devices that can be paired
2. Connect Bluetooth devices
3. Disconnect paired Bluetooth devices
4. Delete paired Bluetooth devices

Hands-free phone call

After connected the Bluetooth with mobile phone, you can make a phone call via this product.

5.Delete numbers.
6.Voice Switch icon for converting the other person's voice from the car speakers to the phone, or from the phone to the car speakers.
7.Entering the phone number, click this icon to make a call.
8.Hang up the phone.

Phone book

After connect the Bluetooth with mobile phone, press" " button to enter phone book menu.

9. Click to search the contacts via initials
10. Click it to call out the contacts you want to call
11. Click it to sync the contacts list from the phone (require authorization for BT contacts output on mobile phone)

Bluetooth music

Click the "A2DP" app , then you can control the original music player on your phone, and make the sound come out from car speakers by Bluetooth, you can also control the music playing by steering wheel control.(Note: Some phone models do not support the Bluetooth audio function, and this Bluetooth of device can not transfer files, only for Audio stream transfer)

Smartphone Mirroring

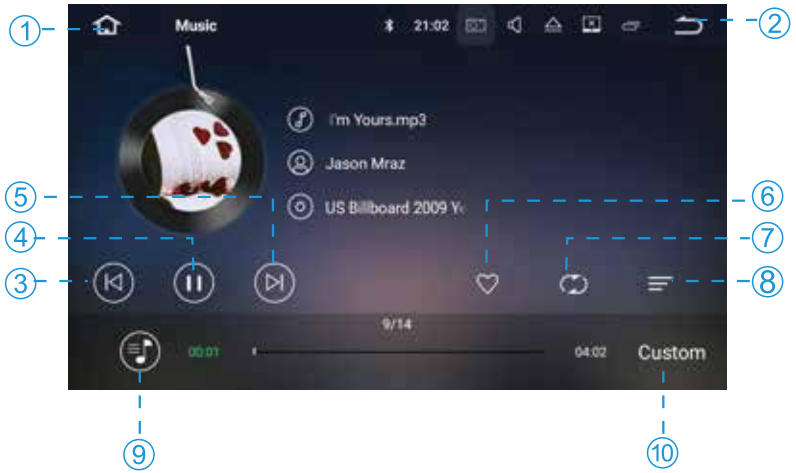
Go to the "Easyconnect" app to connect to your phone.
For Android: Please select "Android USB" or "Android WiFi" to follow the steps, then you can mirror and control on the unit. You need to connect your phone to the USB port if you select "Android USB".
(Notice: Android phone need to turn on the USB debug options on phone settings.)

For IOS: Please select "iPhone WiFi", and connect to a hotspot by "Settings-WiFi", then open the AirPlay on your phone.
(Notice: Some new android versions or iOS version may not be supported for Smart phone Mirroring, please contact our service if you need any help.)

Multimedia function

For audio files

1.Support formats：mp3、wma、ape、lac、aac, etc
Play the audio



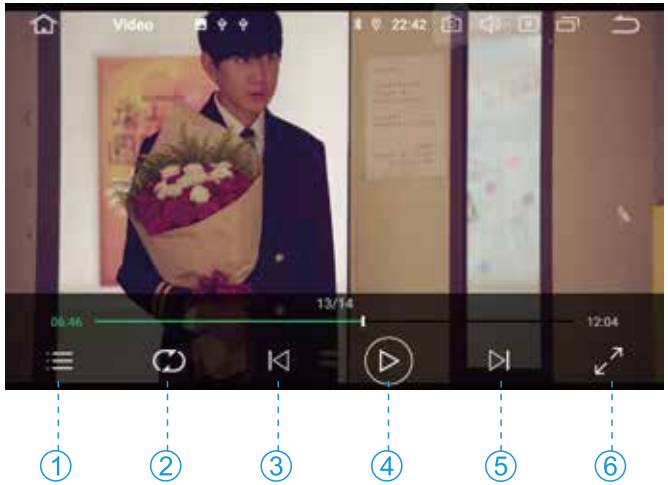
1.Return to the homepage, the music will still keep running at the backstage.
2.Return and exit music function.
3.Choose to play the previous song.
4.Play/Pause.
5.Choose to play the next song.
6.Favorite songs.
7.Play mode (order play/repeat play, etc.)
8.Music playback interface.
9.Select a file.
10.Classic/rock/pop/jazz, etc.

Tips: Fingers slide to the left can display the music list, fingers slide to the right can display the file list.

For video files

1.Support formats：mp4、avi、wmv、rmvb、flv、mkv、mov、ts、3gp、mpg，etc.

2.Play the video



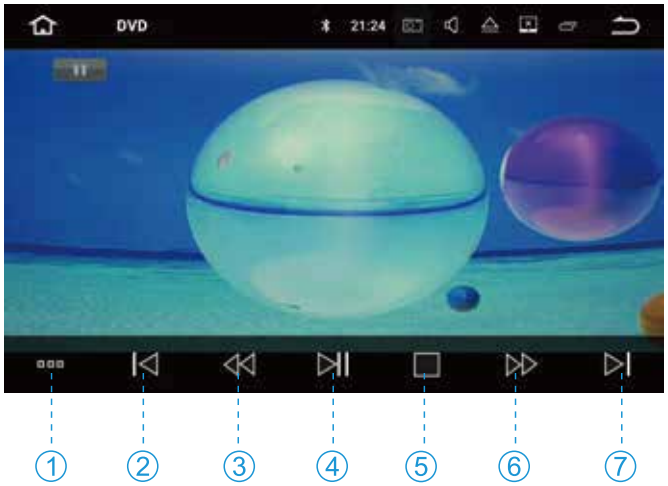
1.Playlist
2.Play mode
3.Play the previous video
4.Play/Pause
5.Play the next video
6.Full screen or not

⚠ CAUTION

For safety reasons, video images can not be viewed while you are driving your vehicle, to view video images, please stop in a safe place and apply the parking brake.

DVD function (Optional)

Before using the DVD function, please make sure you have removed the two pieces screws on the top of the device, otherwise you will not be able to fully insert the DVD disc to play it.
(Note: some model do not have DVD function, please refer your actual machine)



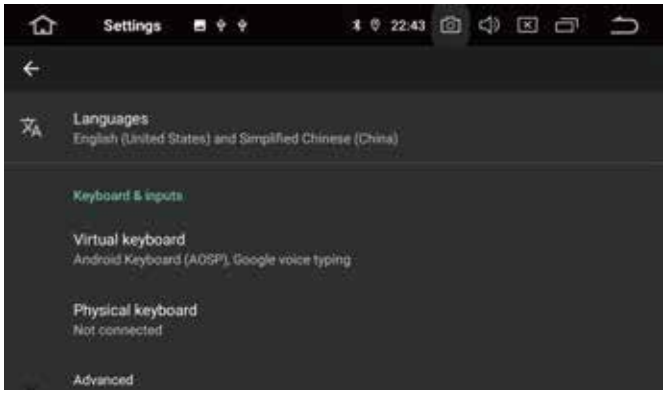
1.More settings
2.Play the previous video
3.Fast backward
4.Play/pause
5.Stop play
6.Fast forward
7.Play the next video

⚠ Alert:
Please use the conventional circular disk, not to insert irregular, non circular disk, otherwise these disks may be stuck inside the DVD player, or the DVD player may not play correctly. Before playing on the disk, please check if there is cracks, scratches or curly. Such discs can not play, and it will damage the DVD player.

System settings

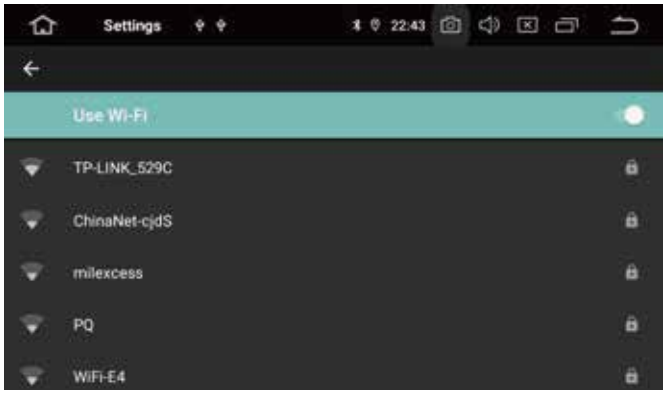
Languages settings

Available for system language selection, text input and auto-error correction options, Select your favorite keyboard and input method, and set the Text-to-speech output, pointer speed.



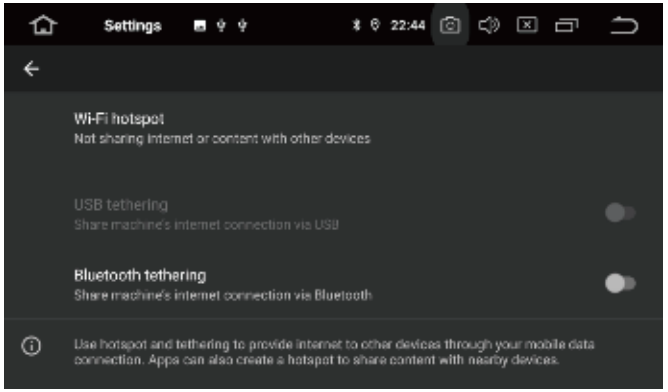
Wifi settings

Click the setting icon, enter the WiFi setup, drag the icon "OFF" to open the wireless network function, then the machine displays the wireless network that can be used, then click on the hotspot WiFi to connect, if the wireless network has been successfully connected before, this information will be stored and will be automatically connected next time. After connecting, WiFi icon will appear at the top of the screen.



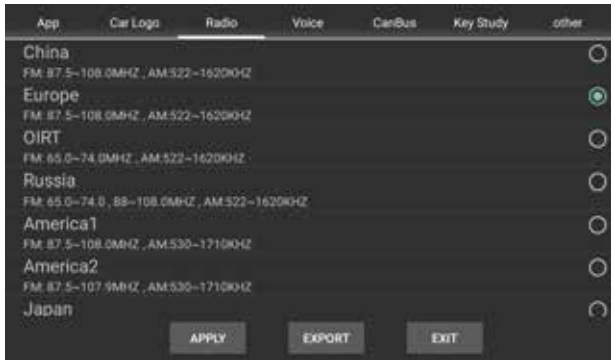
Portable hotspot

When the machine have connected to 3G network, click "More" in the setup, then open the "portable hotspot", you can create wifi hotspot password in "Set up WiFi hotspot" that belongs to setting menu. After that, other wireless devices can also connect to the network via this machine's wifi hotspot.



Factory settings

Go to the “Settings” and find the “factory settings”, then input password 126 to enter into the factory setting menu, you can change the boot Car Logo, select radio region, set the panel light,or other parameters.
Alert: Please DO NOT modify any data without our guidance! Otherwise the device may not work properly.



Car Logo settings

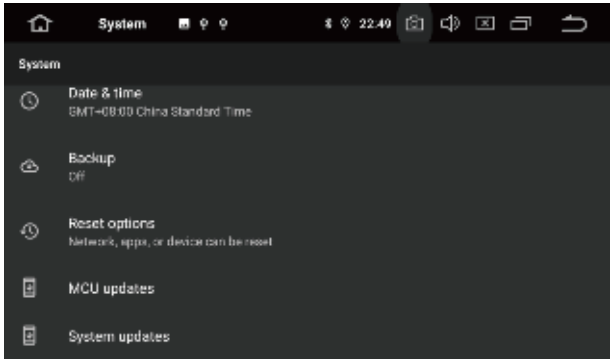
Please input the password 126 to go to the “factory settings”, click “Car Logo” to select a Logo type. You can also choose your favorite images from an USB or a Micro SD card by click “User”---“Custom”. Car Logo settings allows you to select a Screen logo or Animation logo. After restart you will see the new logo.

System updates

Firmware update method

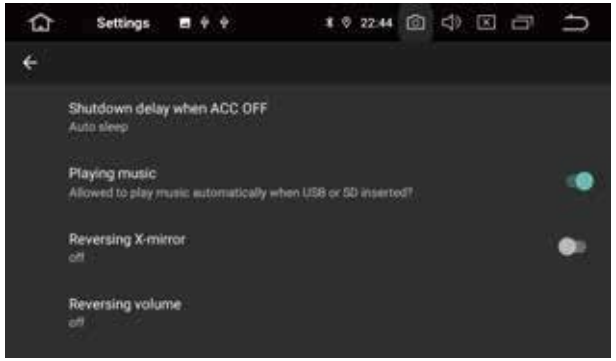
If the device can enter the system normally:

1.) After you got the correct Firmware update files from us, then copy the subfiles into an USB disk.
2.) Power on the device, insert the USB disk to the USB port, click Settings---About machine---System updates---Install, then the device will update automatically.



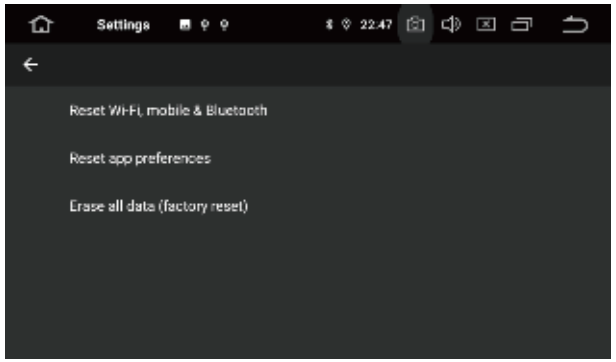
Extra settings

In extra settings, you can set if allowed to play music automatically when USB or SD inserted, turn on / off the reversing volume or the reversing X-mirror, etc.



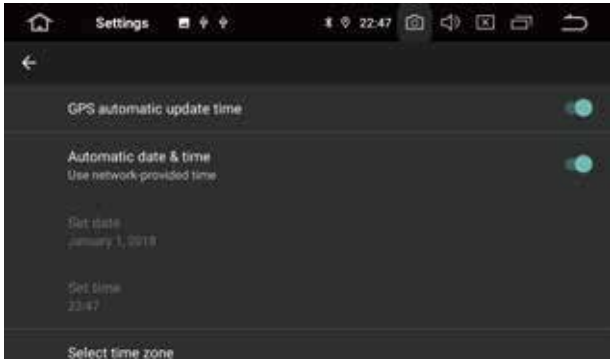
Backup & reset

Available for data backup or reset, and factory settings restore, if you have any problem on the system, you can restore the data to solve it.
Warning:
Once you run a factory reset, the device will erase all your personal data and applications, so please backup all your personal data before Backup & reset.



Date & time settings

You may use the network to automatically update the date and time. You can also manually set the date and time, select the time zone, and choose the display format of the time and date.



Amplifier

Sound effect may be preset as classic/ rock / pop / jazz, etc. you can choose the one that you are favorite.

If the device can NOT enter the system normally:

1.) After you got the correct Firmware update files from us, then copy the subfiles into an USB.

2.) Insert the USB to the USB port, press and hold the home button, meanwhile use a thin sticker to press the RST hole, release RST hole first, and then release the home button, after that press the home button again and release. The device will display an update interface. Select the “Apply update package from SD storage”.

Warning: During updating system, please do NOT disconnect the Power or perform other operation.

Steering wheel control

There are 3 SWC wire from the ISO cable harness: KEY1, KEY2, SWC-GND, make sure your car is resistance based analog signal steering wheel control button, find the corresponding wire from your car to connect them.

Firstly, please click the RESET button on the UI (1) to clear the learn key function, then press steering wheel button on your car, it will enter into the UI (2), then learn it. E.G: Please press the [Power switch] button on the screen, then press the button on the original vehicle button, then click the OK button of the screen, after learned the function of all buttons successfully, it will show the corresponding [Power switch] button on the UI (1), then press steering wheel button on your car to learn the next button. Repeat the same steps for other buttons, after that, click "SAVE" button on the UI (1).
If the settings are incorrect, click the RESET button on the UI (1), and start to re-learn.

UI(1)

UI(2)

Trouble shooting

If you have any questions operating this device, refer to this section, the most common questions are listed below, if a solution to your question can not be found here or can not be solved, please feel free to contact our customer service for help.

Problem	The Reason	Remedy
No power supply	Wrong connection between wires and connector	Make sure all connections are correct
	Broken fuse/do not turn on car ACC	Find out the reason of the broken fuse, and then replace it with the identical fuse/to turn on car ACC
	The build-in microprocessor is unable to work normally due to the noise and other factors	Press RESET to restore to the factory settings

Remote control not working	Low battery	Replace with new batteries
	Certain functions are forbidden under specific modes	Enter the proper mode
	Not aim to the IR hole on the front panel within 1M distance	Aim to the IR hole on the front panel within 1M distance
No sound come out from the car speakers	1.The speaker cable is not properly connected 2.not start up external amplifier of the car 3.making stereo in mute function when you press mute button	1.re-connect the speaker cable properly 2.to check stereo and the connection wire of external amplifier 3.to turn off the MUTE function.
Cannot increase the volume	This machine is running in still, slow motion or frame by frame playback	There is no sound output in still slow motion
Particular speaker cannot output sound	Audio setup is not correct	Set the proper audio configuration
The DVD cannot display if appear the parent lockup message	Turn on the parent lockup function	Close the parent lockup function or change the setting level
Disc fails to enter into DVD player	Not to remove the two screws that is designed for shockproof on radio cover.	To remove the two screws which on the top of device
Unable to switch view angle	The current DVD has no multi viewing angle	If the disc is not recorded with more perspective shooting scenes, can't switch to other viewing in a No multi viewing disc
	You try to switch it over to another viewing angle out there are no multi viewing	Watch with more perspective recording scene switching angle
No image : PIC off is shown	You’re failed to connect the manual brake wires or failed to turn on the manual brake	Connect the brake wire when turn on the manual brake
Stuck in boot logo(can not enter system)	System file collapsed	To re-install firmware of the system

Radio without good reception	1.not to plug or not plug well the radio antenna. 2.not to connect ANT wire or not correctly connect ANT wire. 3.the area where you are in has weak radio signal 4.AF/TA option turned on	1.to plug well the radio antenna and tightly. 2.to connect correctly. 3.to make radio in the place with stronger signal or to add an extra signal enhancer. 4.to turn off AF/TA option to search radio stations.
Failed to receive GPS signal or to position accurately	1.not to connect GPS antenna or not connect it correctly 2.the area where you are in has weak GPS signal 3.GPS signal is affected by heavy rain and fog 4.car is plastered with metallic membrane which shields radio from receiving GPS signal.	1.to make the screw between GPS antenna and radio tightly 2.to drive your car in the place with stronger GPS signal 3.to drive your car to a wide-open area 4.to move GPS antenna to outside of the car to check
Failed to save the operation record after unplugging car key	Red ACC and yellow B+ cable do not connect correctly.	To reconnect red ACC and yellow B+ cable correctly.
NO signal when reverse car with installed rear camera	1.reverse camera power supply wire have not been connected correctly 2.camera RCA video input connector has not connect to Camera IN port from the device correctly.	1.to connect reverse camera power supply wire correctly 2.to connect camera RCA video input connector to Camera IN port from the device correctly.
When the ignition switch is turned to the ON position (or to the ACC position) the player automatically switches on		This is a normal function

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.