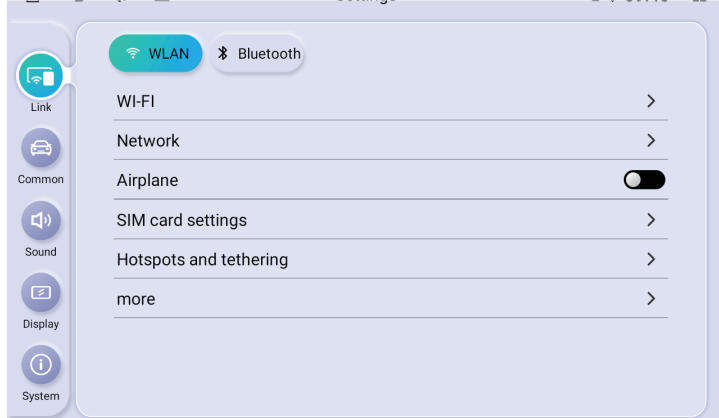




through the wireless module of the car radio. When the network connects successfully, you can search online, listen to online songs, and online radio.

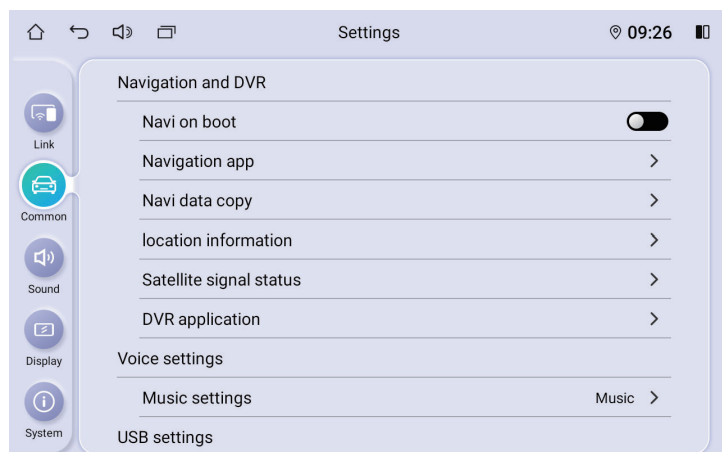
WLAN: Click the WLAN button to turn on the wifi, the interface will list the WIFI hotspots that have been searched, click the list option to connect.

Mobile network: Connect to the network by activating the data flow of the SIM card.

Hotspot and network sharing: After inserting a SIM card into the car radio, you can share the network through WLAN.

Bluetooth: Connect the mobile phones to the car radio via Bluetooth.

Common Settings



Navigation settings

1. Enter into the navigation automatically when booting up, users can choose whether to enable this option by themselves.
2. Navigation application: after installing a third-party navigation application, you can set it as the default one.
3. Satellite signal status: you can view the real-time satellite positioning situation.

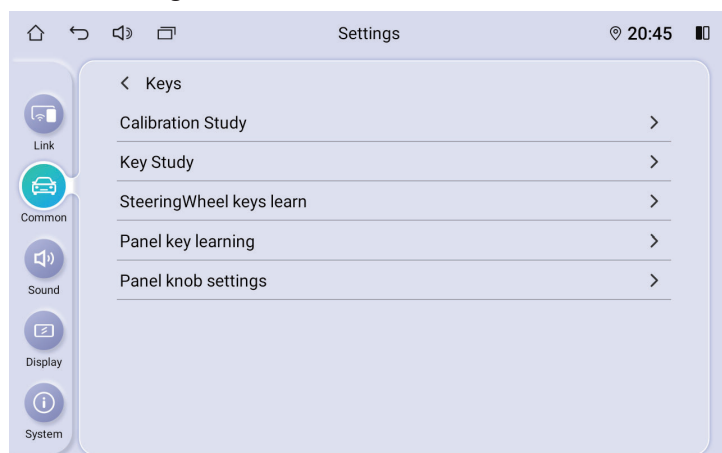
USB settings

1. USB interface type: can be set to USB1.1 or USB2.0.
2. USB music autoplay: after enabling this option, when you insert the U disk with music, the music player will play automatically.

Detection settings

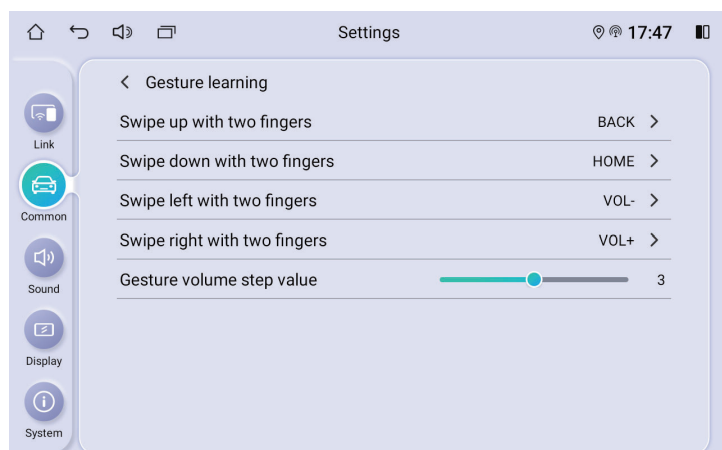
1. The handbrake detection option can be turned off, so that you can watch videos while driving. (For driving safety, this option is turned on by default)
2. The headlight detection option can be turned off, so that the screen brightness will not be controlled due to the headlights being turned on.

Button Learning



1. The floating shortcut key can be opened.
2. Calibration study: when the screen appears touch offset, enter this option to calibrate the touch screen.
Tip: In any interface, press 5 fingers on the screen at the same time and hold for 10 seconds to enter the touch screen calibration interface.
3. Key Study: Learn and set the touch screen buttons on the screen.
4. Steering wheel keys learn: If the car has factory steering wheel control, you can learn and set the SWC buttons here to control the car radio.
5. Panel key learning: It is used to set the panel with physical buttons, which belong to the manufacturer's setting.
6. Panel knob settings: Belongs to the manufacturer's setting.

Gesture Learning



1. There are four gestures to control the screen with 2 fingers: "slide up", "slide down", "slide left", and "slide right".
2. You can set gesture control as "mute", "volume up", "volume down", "previous song", "next song", "Navigation", "Home", "Back", "Screen off".
3. Gesture volume step value set as is "1", slide the volume once will add/reduce by 1, set it as "5", slide the volume once will add/reduce "5".

Sound Settings

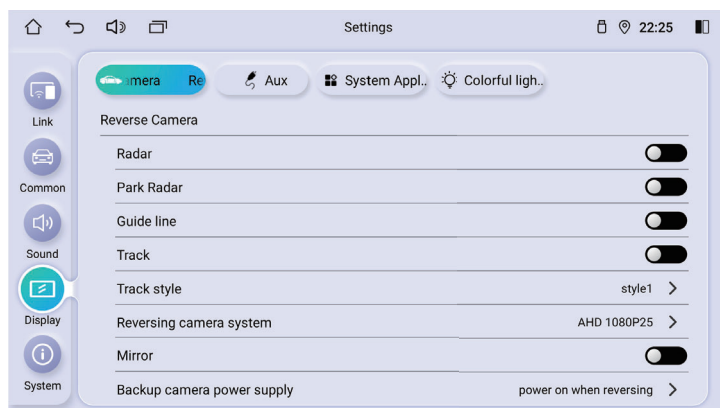


1. Beep sound: you can turn on or off the touch screen sound, you can choose the type of touch screen sound and adjust the sound volume.



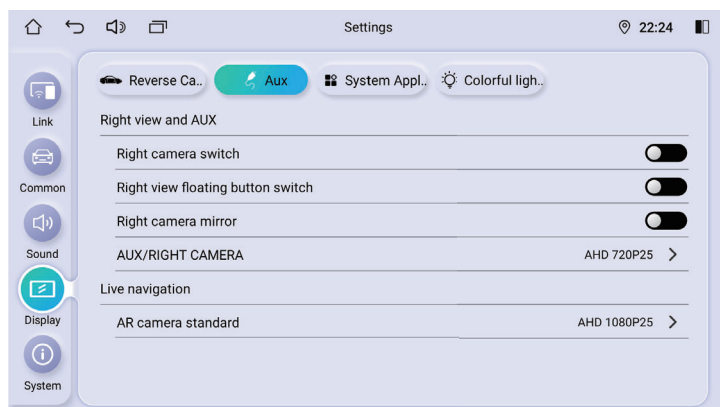
1. Choose the type of touch screen sound and adjust the sound volume.
2. Host volume: set the car radio's default volume when booting.
3. Bluetooth volume: set the default volume of Bluetooth.
4. Navigation mixing ratio: set the volume ratio of navigation voice and background music.
5. Reverse mute: the user can turn it on or off as needed.
6. BT ringtone volume: The Bluetooth ringtone volume when Bluetooth phone calls coming.
7. MIC gain: you can adjust the volume of the microphone sound during Bluetooth phone calls. (After setting up then dial-up call, it is invalid to adjust during the call.)

Reverse Setting



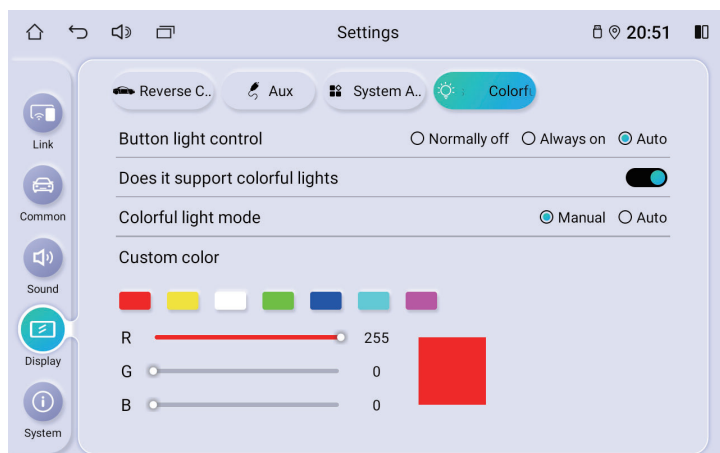
1. Reverse radar: the screen will display radar information when putting the car in reverse. (Canbus support of the car is required)
2. Guide line: the screen will display the guide line when putting the car in reverse. (Canbus support of the car is required) Two trajectory line styles are available for users to choose.
3. Reversing camera system: please select "Normal N system" for the original car camera. The aftermarket camera needs to select a different standard, otherwise there will be no image display when reversing. If your reverse camera is purchased from JOYING, pls choose "AHD 1080P25".
4. Mirror: users can turn on or off the mirror option according to the installation position of the camera.
5. Backup camera power supply: can be set to "often power on" or "power on when reversing".

AUX Setting



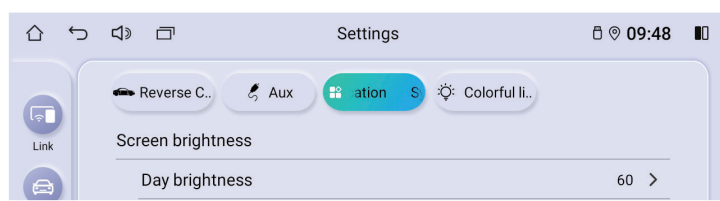
1. Right view and AUX:
Turn on the right camera switch and the right view floating button switch at the same time, the right-view camera can be turned on by clicking the right-view floating button on the screen.
AUX/right camera: please select "CVBS N" for the original car camera. The aftermarket camera needs to select a different standard, otherwise there will be no image display when you switch to the right view.
2. Live navigation:
For the AR camera system, please select "Normal N system" for the original car camera. The rear-mounted camera needs to select the corresponding standard, otherwise there will be no image display in the front view in AR mode.

Colorful Lights Setting

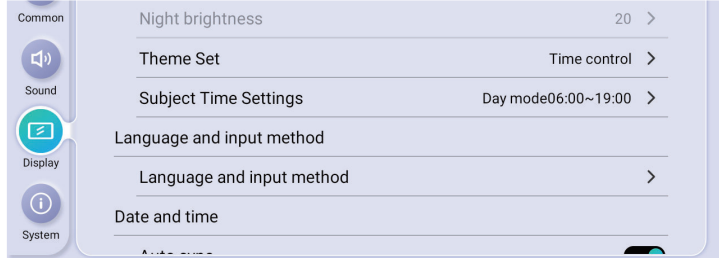


1. Button light control: can be set as "normally off", "always on" and "auto".
2. Does it support colorful lights: support colorful lights after being turned on.
3. Colorful light mode: you can choose "manual" mode or "auto" mode. In "Manual" mode, you can set one of seven colors, or adjust to your favorite color by adjusting the values of R, G, and B. In "Manual" mode, you can set one of seven colors, or adjust to your favorite color by adjusting the values of R, G, and B. When choosing a single color for example, red, green, or blue, etc., you can adjust the value to change the light and dark effect.
4. In "Auto" mode, the button light will change color automatically.
5. By changing the value of "Magic Mode Speed", you can change the changing time of colorful lights.

System Settings

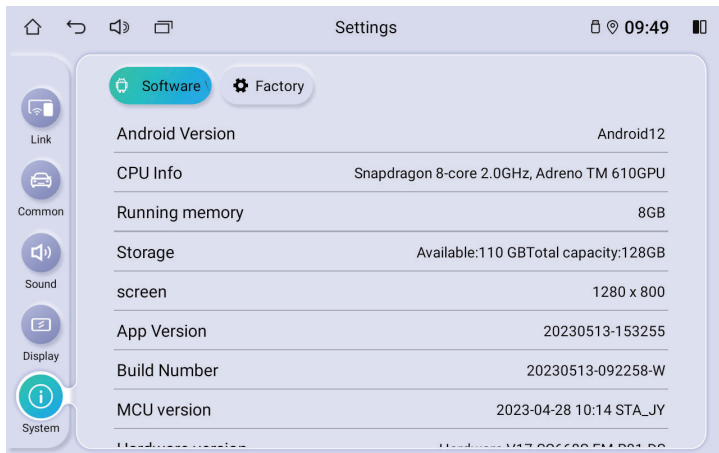


1. Screen brightness: the brightness of the day and night modes can be adjusted separately.
2. Theme set: can be set to "Light", "Dark", "Time Control" and "small light control".
When "Time Control" is selected, the theme mode will be changed according to the time .
When "small light control" is selected, the theme mode will be changed



- according to the on and off of the car headlight.
3. Language and input method: users can change the system language to the language of their country.
4. Date and time: after auto sync is turned on, the system automatically synchronizes the date and time of the network or GPS positioning. You can manually set the time zone and time when "Use network-provided time" and "Use network-provided time zone" are turned off.
5. Time format: you can set the time format display to 12 hours or 24 hours according to your own habits.
6. System recovery: the system can be restored to factory settings.
7. Restoring defaults is a factory setting.

Version Information

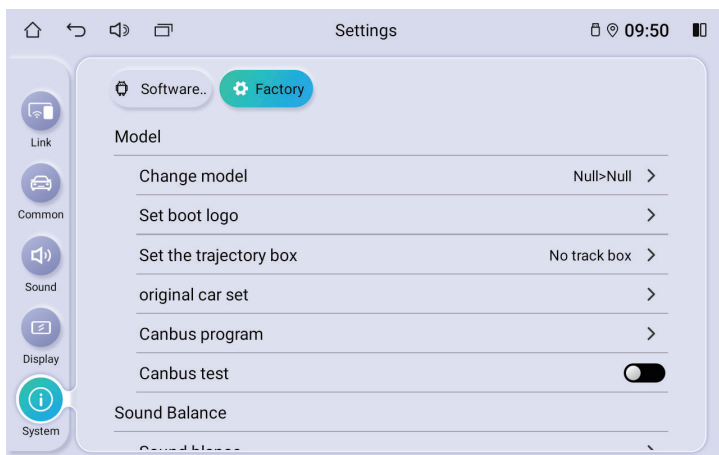


You can check the system version, CPU, memory, screen resolution, software and other information.

Factory Settings

The factory setting needs to be operated under the support of the after-sales personnel, enter password is "8888". The default value is provided by the manufacturer. You are not advised to change it. Problems that occur after modification are not covered by the warranty. (for example some options cannot be changed, there will be a risk of burning the machine if modified.)

Car model settings



Model selection

Users set the corresponding canbus protocol according to their car model and protocol box brand.

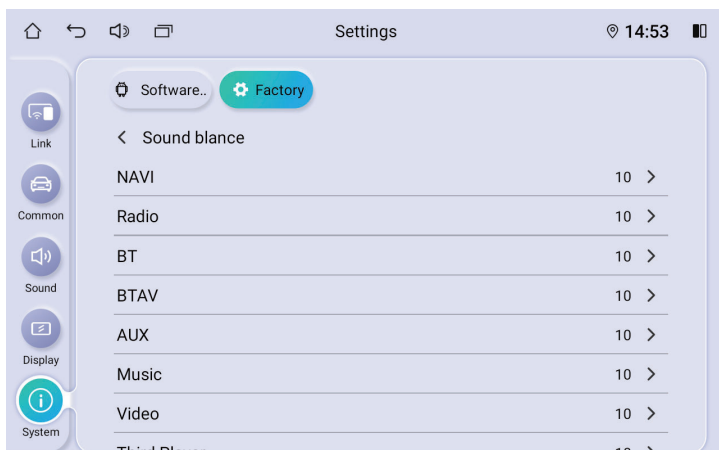
(The default value is provided by the manufacturer. You are not advised to change it)

Original car settings

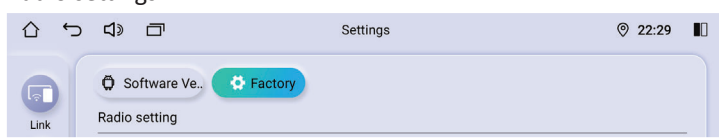
1. Language setting: there are 31 languages for customers to choose from.
2. Radar track alarm tone: users can set it according to their needs.
3. Right camera setting: for the car with a factory lanewatch camera, you need to turn on the "right camera switch" and "turn right enter camera" options.
4. Vehicle personalization:
 - (1)Driver position: can be set to "Right" if the car's cab is on the right.
 - (2)Air conditioner float button: after being turned on, the air conditioner control panel can be opened through this button.
 - (3)Air conditioner switch: after it is turned on, when the air conditioner is adjusted, the screen will display the air conditioner information.
 - (4)Door switch: after being turned on, the screen will display the door information.
 - (5)External temperature display switch: when turned on, displays the external temperature on the status bar. The above settings are only valid for models with canbus protocol, depending on whether the user's car supports it. If you need to change the settings, please contact the after-sales personnel for consultation.

Users can set the volume level for different apps here

Sound balance



Radio settings



1. Radio zone setting: It should be set according to the country and region where the user is located, otherwise the radio program may not be received.
2. Radio antenna switch: after it is turned on, will supply +12V voltage of the antenna.



the antenna outputs.

3. Radio RDS: when turned on, can receive information sent by local radio stations.
4. Radio auto turns on power: the voltage will be supplied to the antenna after entering the radio function, and the voltage will be turned off after exiting the radio function.
5. Radio antenna socket power: for some car that supply power to the antenna through the antenna socket, users can turn on this switch.

Mobile Internet Operation

ZLINK5



Wireless connection for iPhone & Android phone:

(If the mobile phone does not support CarPlay and Android Auto, please use the screen mirror link)

1. Connect the mobile phone with the car radio via Bluetooth successfully.
2. The "Zlink5" interface will be opened automatically ("Background connection" is turned on as a default), or you can open the "Zlink5" app manually. Click "📶" to switch to the CarPlay/AA connection interface.
3. (1)For iPhone, click "Use CarPlay" in the prompt that pops up on the phone screen. Or open "Use CarPlay" on the Bluetooth setting of the mobile phone. Wait a few seconds, it will connect successfully, then enter into the "CarPlay" interface automatically.
(2)For Android phones, click confirm in the prompt that pops up on the phone screen. Wait a few seconds, it will connect successfully, then enter into the "Android AUTO" interface automatically.

Wired connection for iPhone & Android phone:

1. Connect your phone to the USB OTG port of the car radio via the original data cable.
2. The "Zlink5" interface will be opened automatically ("Background connection" is turned on as a default), or you can open the "Zlink5" app manually. Click "📶" to switch to the CarPlay/AA connection interface.

3. (1)For iPhone, it will pop a prompt "Allow zlink to use CarPlay when the phone is locked?", pls click "allow" and wait a few seconds, it will connect successfully, then enter into the "CarPlay" interface automatically.
(2)For Android phones, click confirm in the prompt that pops up on the phone screen. Wait a few seconds, it will connect successfully, then enter into the "Android AUTO" interface automatically. (Note: If you want to make phone calls via Android auto, pls connect Bluetooth)



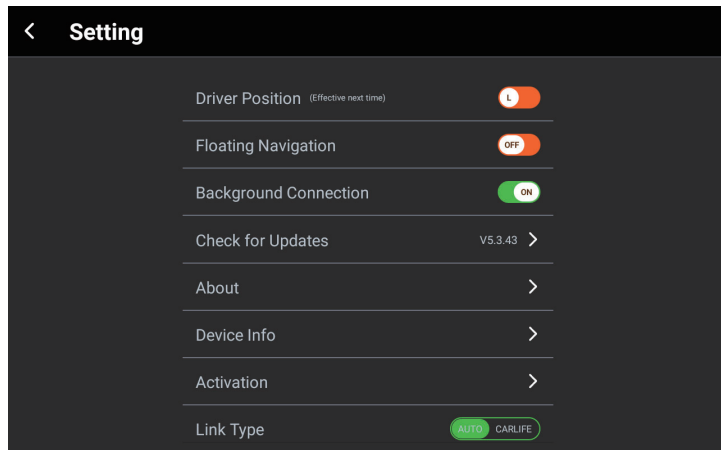
Wired screen connection with Phones:

1. Click "📶" enter into the wired/wireless screen mirror link interface.
 2. Connect your phone to the USB OTG port of the car radio via the original data cable.
 3. Click "📶" switch to the wired screen connection interface, and complete the connection according to the instruction prompts, the wired screen connection can be successful.
- (Operation steps: scan code and download "ZLINK" app with your phone—connect the original data cable to the USB port —connect Bluetooth —choose screen connection in Zplus app on phone —screen connection is successful)



Wireless screen connection with Phones:

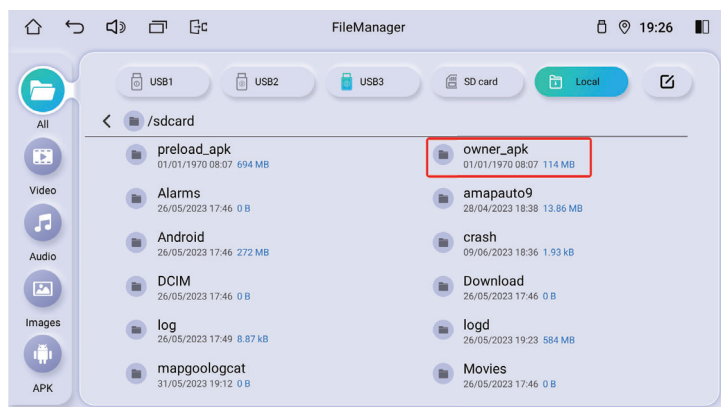
1. Click "📶" enter into the wired/wireless screen mirror link interface.
2. Click "📶" switch to the wireless screen connection interface, select the type of mobile phone you want to connect and complete the connection according to the below instruction.
- (1)For iPhone: turn on the hotspot sharing on the mobile phone — connect the car radio to the phone's hotspot — open the mobile phone control center to select the screen mirror and select "ZJ-AIIRPLAY" to start the screen connection
(2)For Android phones: scan the code and download the "ZLINK" APP with the phone — connect the phone to the car radio via Bluetooth -turn on mobile phone hotspot sharing — connect the car radio to the phone's hotspot -choose screen connection in Zplus app on phone - screen connection is successful



Zlink Setting

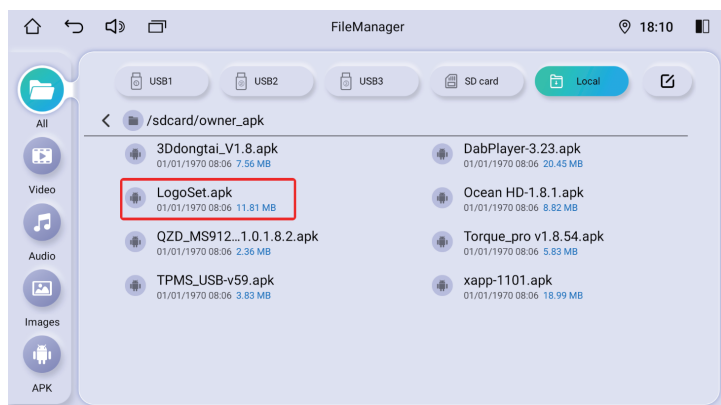
1. Driver Position: If your car is right hand drive, you can adjust here.
2. Background Connection: If you turn on this option, then when you connect your mobile phone to the radio via Bluetooth, it always use carplay to make phone call instead of Bluetooth app, also will always connect to carplay automatically when car radio powered on. If you do not want to use carplay, only want to use Bluetooth, you can choose to turn off this option. Once you want to use carplay function, you can open zlink app manually.

Car logo setting

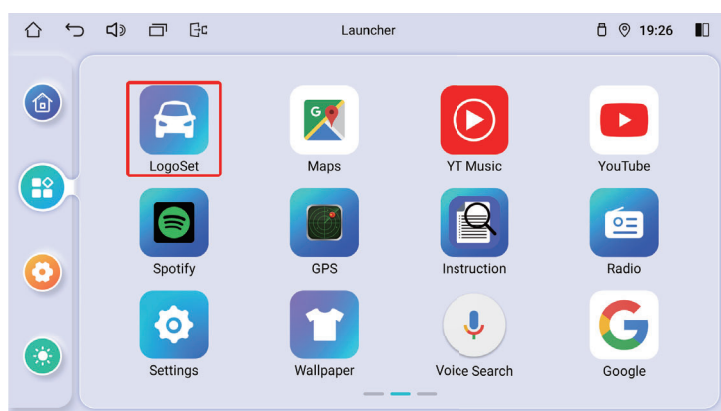


Set the preset boot-up logo

1. Go to "filemanager" app, find and turn on app-ower_apk



2. Install the "Logoset.apk"



3. After app installed, you can set the preset logo from LogoSet app.

Set the customized logo

1. Prepare a logo picture whose resolution should be the same as your car radio (such as 1280*800, 1920*1080), and name the picture "Logo.BMP".
2. Create a new folder and name it "Medialogos" on an empty USB disk. Put the picture "logo.bmp" in this folder.
3. Insert this U disk into the car radio and enter into the setting—system—factory (password: 8888)—Set boot logo to view the logo picture.
(Note: only support to set static logo here, cannot set dynamic logo)
4. If you want to set the dynamic logo, please contact the support team and ask for the file upgrade.

Common Problems(FAQ):

1. Head Unit doesn't on/Black Screen(Distinguished between just received and after a period of time used, for the special car radio models are dealt with separately)
 - a. After installation, If the display shows black for the first boot up, please click the reset button to restart the device.
 - b. The Head unit shows Black screen or doesn't on after a period of time use, please check does the radio play with sound(such as the touch screen beep sound or music playing sound), then open the radio cover to check is there a red flashlight on the core board with Joying supporter's guidance.
2. Poor FM Radio Reception
 - a. Please check whether the OEM Car radio antenna needs power supplied or not, then connect the ANT-CONT Cable.
 - b. Go to Factory Settings and switch on the option " Antenna Always on ".
3. All the speakers have no sound or some speakers without sound.
 - a. The Car with OEM Amplifier: please connect the AMP-CONT Cable, and turn on the "AMP ON/OFF " in the Sound Setting.
 - b. The Car without OEM Amplifier: Please check does the power cables(especially the speaker cable) well connected.(also try to re-plug the cables)
4. Reversing Camera does not work. (Distinguished between the head unit can switch to reverse mode but no signal/black screen and cannot switch to reverse model)
 - A. Head Unit can switch to reverse mode but no signal/black screen
 - a. Check whether the trigger wire and power supply cable are connected fine.
 - b. Check the Backup Camera is in good condition. (Test: Users can connect the camera to the Head Unit " Video In " port and open the AUX APP to check the image, if it shows an image that means the camera is good.)
 - B. Head Unit cannot switch to reverse mode.
 - a. The car without Canbus: Please check whether the Back Cable is connected fine or not. (Test: User can connect the Back Cable to the red ACC Cable, if the radio can switch to the reverse mode, that means the BACK Cable is not connect to the car reversing light correctly)
 - b. The Car with Canbus, and the BACK Cable is controlled by Canbus adapter: Users can remove the Back Cable and connect it to the Red ACC Cable, if the radio can switch to the reverse mode, that means the canbus adapter is defective.
5. GPS Not working/without signal.
 - a. Check if the GPS antenna is connected correctly or securely.
 - b. Check if the GPS antenna receiver put in a correct and reasonable position.(The receiver side should face to the sky and no metal shielding, the another side should connect to GND)
6. Bluetooth connection is not working.

PS: Joying radio can only support connecting the Bluetooth with Phone and OBD2, it cannot support the other Bluetooth devices.

 - a. If the bluetooth cannot be connected, please switch off the bluetooth in your phone and head unit first, switch it on after a few seconds, then search the bluetooth device again to connect it.
 - b. Please pay attention to the reminder info pop up in your phone and click " Yes ".
7. During the Bluetooth phone call, the others cannot hear the user clearly.
 - a. If the user is using the external microphone, please check whether the microphone is connected to the head unit properly. (User can re-plug the microphone)
 - b. Users can record the voice by the recording APP and listen to the recorded voice file, if the sound is normal and clear, that means the microphone is good, otherwise the microphone is defective.
8. During the Bluetooth phone, Users hear the others' lower voice or Others hear the user's lower voice.
 - a. Please adjust the head unit's main volume to the appropriate volume.
 - b. Users can go to the sound settings to adjust the Microphone volume.
9. Bluetooth Music playing without sound.
 - a. Check if your phone's volume is at a normal level and try to turn up the phone's volume.
 - b. Check if your phone's bluetooth is switched on for audio permissions.
10. Cannot display the contacts or only display part of contacts.
 - a. Check if the "Sync contacts" option is turned on in user's phone bluetooth setting.
 - b. The Contacts info should be saved in user' phone, if the Contacts info is saved in the SIM Card then it cannot be sync.
11. Bluetooth name change failed.

If the bluetooth name is not updated after the user changed, please turn off the bluetooth and turn it again, then search the bluetooth device to connect.

12. Insert an SD Card or USB to the radio, the music files info are not updated in the Music player app.

After inserting an SD Card or USB to the radio, please go to the music app to detect and scan the dates. If the stored data is large, it may take a while to update(seconds to 1 minute). If there is still no update, pls ensure the SD Card or USB is inserted correctly and the files are ok(Go to the Filemanager app - SD Card/USB to check whether the catelog and files are display normally, if no please reinsert the SD card/USB device or check the SD Card/USB device)

13. No sound or sound is lower.

Maybe there is a big deviation of the volume setted in the Volume Balance settings, pls set the volume at the middle level there.

14. USB not recognised or USB reading abnormal.

It may be that the USB stick is not supported, please try different brands and different storage USB disks. If the USB disk reading is abnormal, please troubleshoot the USB stick on the computer, then Format the USB stick after backing up.
15. Unable to connect to Carplay.

Wired Carplay: Please use the OEM USB Cable to connect the phone to the radio OTG USB port. For the third-party USB Cable, it cannot ensure support. If there is a reminder info pop up in your phone when you make the connection, please click " Trust ".

Wireless Carplay: Please restart your phone and try it again!

16. Unable to connect to Android Auto.

Wired Android auto: Please use the OEM USB Cable to connect the phone to the radio OTG USB port. For the third-party USB Cable, it cannot ensure support. Especially the Samsung phone, you must use the OEB USB Cable.
Wireless Android auto: Please restart your phone and try it again!

17. Wifi cannot connect automatically to phone's hotspot after the Head Unit boots up!

If the user uses the iPhone, you must enter the " Personal hotspot " page in your phone. Otherwise the head unit cannot search your phone hotspot.

18. Touch Screen cannot work(The screen freezes and no reaction).

Please reset the head unit first.

Also Users can try to connect a USB Mouse to the radio, if it is working that means the touch screen is broken; if it is not working that means the core board is defective.

19. SIM cards cannot be recognized.

a. Please make sure to insert the micro SIM Card in the correct way.

After inserting the SIM Card, please click the reset button to reset the radio.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

IC Caution:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RSS-102 RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour être conforme aux lignes directrices d'exposition RF RSS-102, cet équipement doit être installé et exploité à une distance minimale de 20cm entre le radiateur et votre corps: n'utilisez que l'antenne fournie.