



# AS815

# USER MANUAL



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# CONTENTS

- CONNECTING TO ANDROID AUTO / CARPLAY ..... 3
- REVERSE CAMERA CONNECTION ..... 3
- OEM REVERSE CAMERA RETENTION ..... 4
- TOUCHSCREEN / TOUCH BUTTON CALIBRATION ..... 4
- STEERING WHEEL CONTROL CALIBRATION ..... 5
- DOOR FUNCTION SETTINGS ..... 5
- \*4G SIMCARD SETUP ..... 6
- \*360 CAMERA SETUP ..... 6
- WIRING SCHEMATICS ..... 7
- TROUBLESHOOTING ..... 8

Thank you for purchasing car stereo from us. Please read carefully all the terms of this manual before using the unit. After reading, you will know how to operate this head unit. Please keep this book in a safe place for future reference. The navigation features of this product (and the DVR, reversing camera option if purchased) are intended solely to aid you in the operation of your vehicle. It is not a substitute for your attentiveness, judgment and care while driving. We do not recommend that you install this product yourself. This product is designed for professional installation only. We recommend that only those service personnel, who have special training and experience in mobile electronics, 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. The warranty policy is in valid if you do not comply with the manual and cause product failure. We disclaim any liability for any bodily injury or property damage that might result from any improper or unintended use.

- \* To ensure safety and obey the traffic rules, please do not watch video and operate the unit while driving.
- \* Please do not allow this product to come into contact with liquids. Electrical shock could result.
- \* 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 dealer. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
- \* Please do not place the head unit too close to the cooling air outlet for avoiding product failure.
- \* Please insulate the power output wire for avoiding boot failure caused by short circuit.
- \* Please consult with local professional car audio store first and do not self-repair it.
- \* Please do not use the car audio for long time after turning off the engine. or it will exhaust the battery.
- \* Please do not insert to other objects into the vents or other openings of the head unit.
- \* Please do not use sharp object to touch, rub or tap the screen.
- \* The head unit is applicable to vehicles with 12V power supply. Please do not install it directly on the vehicles with 24V for avoiding product failure.
- \* Please turn off the car and disconnect ACC from B+ before installation for avoiding short circuit.
- \* Please remember to fasten your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.

# CarPlay/Android Auto

**How to use Wireless CarPlay**--Connect Bluetooth with your iPhone with Password 0000 or 1234--Open Tlink/Car Link app  
--Allow CarPlay use in your iPhone



**How to use Wired CarPlay**--Connect Main Data USB Port to your iPhone--Open Tlink/Car Link app  
--Allow CarPlay use in your iPhone



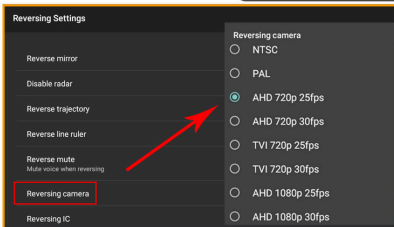
**How to use Wireless Android Auto**--Make sure your Smart Phone version is compatible with the Android Auto feature  
--Install Android Auto App--Enable Wireless Projection or Developer Settings Turn on Wireless Android Auto  
--Connect Bluetooth with your Smart Phone with Password 0000 or 1234--Open Tlink/Car Link app



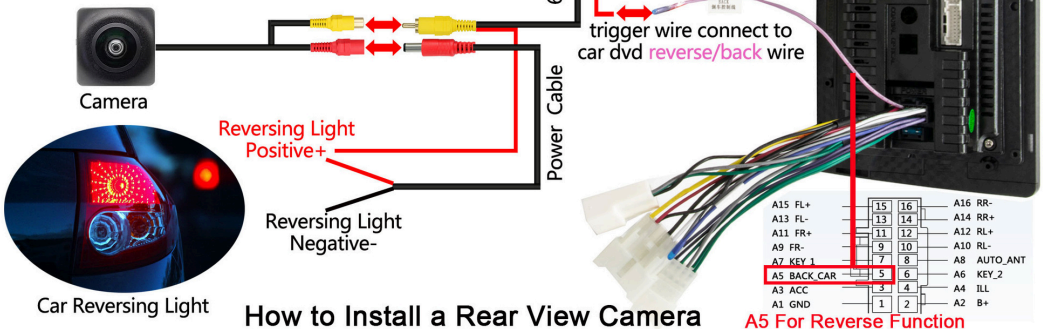
**How to use Wired Android Auto**--Make sure your Smart Phone version is compatible with the Android Auto feature  
--Install Android Auto App--Connect Main Data USB Port to your Smart Phone--Open Tlink/Car Link app



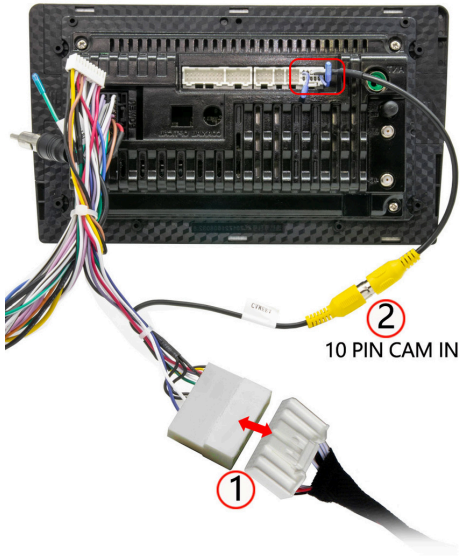
## Reverse Camera Connection



Chose Correct Camera Video Format,like AHD/NTSC



## Retain The Factory/OEM Camera

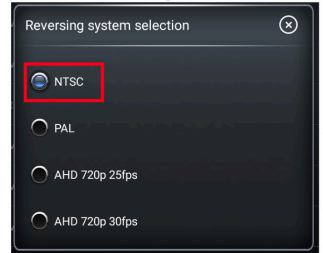


① Connect to Factory/OEM Camera Harness Port

② Connect to 10PIN Camera Input Port

Note:

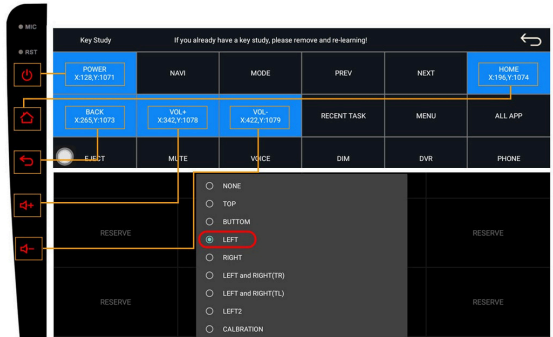
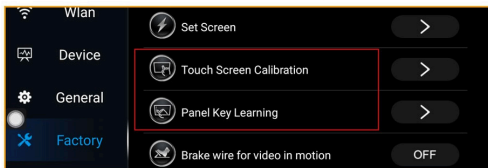
1. Different Car Models Have Different Harness Wire Shapes, This is Just a Reference
2. Please Enter Settings-Chose CVBS-NTSC Signal after connect Factory/OEM Camera



3. If Your Car Do not have Factory/OEM Camera or do not have adapter in Harness Wire , please ignore this function

## Screen Calibration & Key/Button Study

If you have a misalignment problem on the touch screen, please enter Settings-Factory -Password: 3368 or 123456-KEY-Touch Screen Calibration. You also can Study the Panel Key Learning / Touch area key on screen. Some touch screen need to re-select position (normal is left)



## 5 Fingers Fix

Press and hold the screen with five fingers, wait for the calibration cross symbol to appear, and tap them one by one



## Amplifier Connect

Some cars, such as Audi/Hyundai, the original car has built-in amplifier, after installing the android radio screen, there is no sound, please connect it Front Audio Out L/R and Rear Audio Out L/R to RCA Cable. if Still Not Sounds, pls connect AUTO ANT(Blue) to ACC(Red).

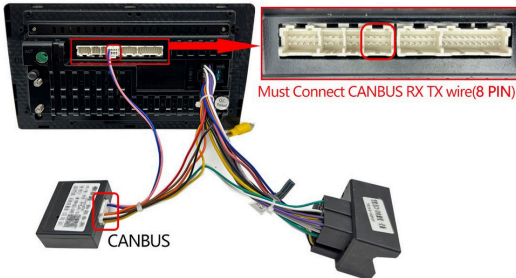


Connect Front Audio Out Left/Right & Rear Audio Out Left/Right

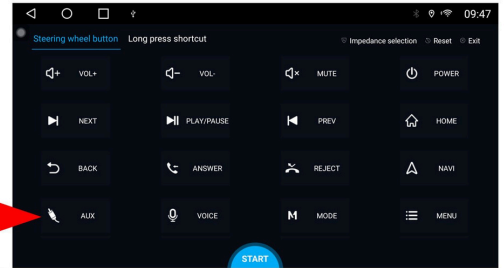
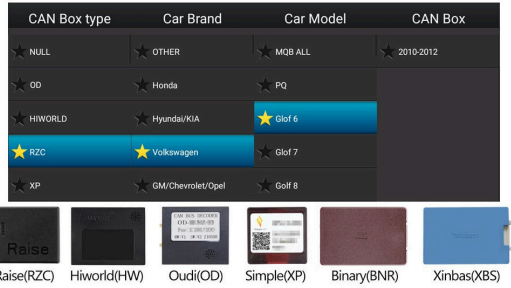
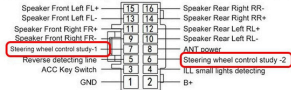


## Setup Canbus & Steering Wheel Controls

1. If your screen harness including CANBUS protocol control, you can use the steering wheel control function directly, if you can't use it, please enter the factory settings-password 3368 or 123456 or 8888 to Select Models, select the correct CANBUS brand, car model and year, save and reboot if you still can't use the steering wheel function Please contact technical support.

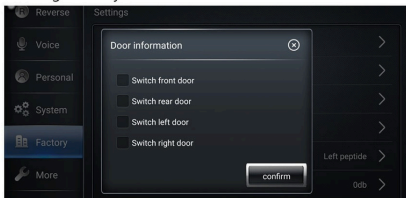


2. If your screen non-CANBUS protocol control, you need connect factory harness wire steering wheel to our harness match key 1 /key 2 /key GND (Some car models need to manually cut the wire connection) Click the "steering wheel learning" icon, then press the button, complete all button learning, save then ok.

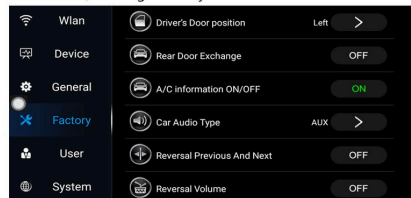


## Exchange Function

If your car door display does not match the actual door information, In Settings - Factory - Password - 3368 or 8888 or 123456 - switch door information



If your Previous and Next / Volume + and Volume - response does not match the steering wheel button, In Settings - Factory - Password - 3368 or 8888 or 123456 - reversal position



## 4G Function

8 Core Products all support 4G function

1. Make sure the SIM card is facing upwards and the card cutout side face is towards the left
2. After inserting the SIM card, the device MUST be restarted in order to read the SIM card. Swipe the screen task bar down and select "Reboot"
3. If SIM card has PIN code, the SIM card will NOT work. Please remove PIN code from sim card before trying to make SIM card work. Sometimes your network operator will have to be contacted to remove PIN
4. If all steps above fail, check with a different SIM card you know works and has no PIN code and repeat steps 1 & 2.
5. Some SIM cards are thinner than regular SIM cards - If you insert your sim card and it is not registering as being inserted on the head unit, you may have to place tape on the backside of the SIM card so it can make better contact.
6. Don't use Sprint and Verizon sim cards. T-Mobile pre-paid works and AT&T is ok



| Step 1   | Step 2 | Step 3                                             |
|----------|--------|----------------------------------------------------|
|          |        |                                                    |
| GSM      |        | GSM850 EGSM900 DCS1800 PCS1900                     |
| WCDMA    |        | BAND1 BAND2 BAND5 BAND8                            |
| TD-SCDMA |        | BAND34 BAND39                                      |
| TDD-LTE  |        | BAND34 BAND38 BAND39 BAND40 BAND41N                |
| FDD-LTE  |        | BAND1 BAND2 BAND3 BAND5 BAND7 BAND8 BAND20 BAND28A |

## 360° Panoramic Camera

### Installation Reference

1. The vertical inclination angle of the left and right lenses is greater than 25° and less than 45°
2. The left and right lenses are installed in the flat middle part under the rearview mirror, and the left and right are required to be symmetrical. The installation point should be flush with the protruding surface of the front swallow board.
3. The front and rear view cameras should be installed in the center as high as possible, and the height difference between the four cameras should be reduced as much as possible. It is advisable to tilt the angle horizontally by 30-45 degrees. The camera should be installed at a minimum height of 40cm from the ground.

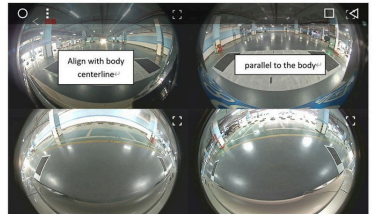


4. The glass surface of the front and rear view cameras should be flat with the protruding position of the front and rear car body, so as to prevent the lens from being recessed into the car body and increase the blind spot of the viewing angle.
5. After the installation of the four cameras is completed, the installer can adjust the position and angle of the cameras through the four-screen image in order to achieve the best angle effect. The image is in the very center of the screen, and the vignetting is evenly distributed around it.



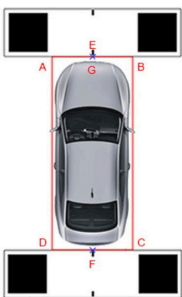
### Calibration Reference

1. 1 piece of 7.5M measuring tape, used to measure the distance between vehicles and the distance of front offset;
2. Arrange the debugging cloth according to the mode prompts, align the center point of the front and rear debugging cloth with the center of the vehicle body, and fix it. The front and rear debugging cloth edges are about 30 cm away from the front and rear of the car;
3. Check whether the camera is installed correctly and whether the debugging cloth is placed correctly through the four-split screen in the splicing and debugging of the 360 software.



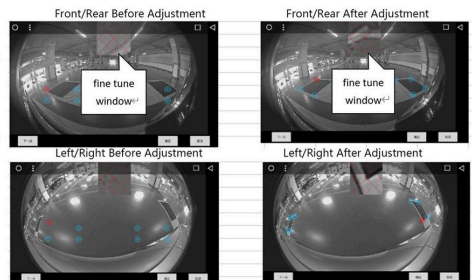
## 360° Panoramic Camera

### Calibration Reference

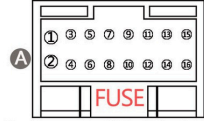
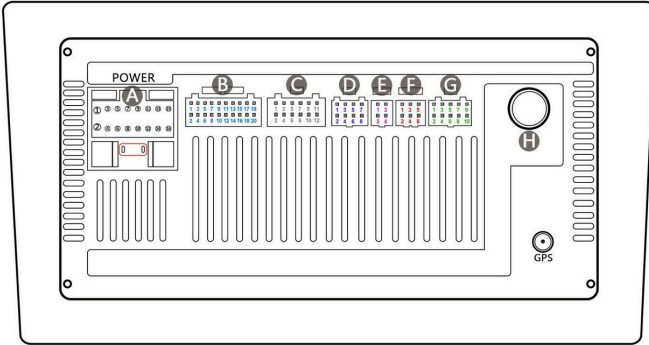


- A. Ensure that the left and right view images of the car machine are consistent with the left and right view mirrors of the real car (see the distribution of the front, rear, left, and right rear view mirrors in the figure below, and let people move to confirm).
  - B. Make sure that the front parts of the left and right view mirrors are aligned.
  - C. Ensure that the front and rear cameras of the left and right cameras can illuminate the car body on both sides and the sides of the car body are parallel, and ensure that the left and right vision can see the full debugging cloth (front and rear) and that the front and rear cloth are symmetrically distributed on the imaging.
  - D. Make sure that the images of the front and rear cameras are not upside down or tilted. In the images of the left and right cameras, the body is at the bottom of the image
  - E. Ensure that there are no obvious shadows, water stains or sundries on the calibration cloth, black and white are distinct
4. Align the specified position on the calibration cloth with a tape measure, measure and record the following three data: AD=the distance between the inner edges of the front and rear cloth, AB=the distance between the left and right cameras, EG=front offset
  5. Enter calibration setting (password is 4321 or 1234 or 0000)
  6. Panorama adjustment

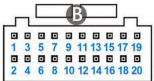
- A. Enter the corresponding camera lens (Lens) specifications;
- B. Input the front offset distance, left and right spacing (unit: mm);
- C. Enter the keyword of the model, and select the one that best matches the current model in the associated model list;
- D. Select automatic splicing, wait for about 30S, and it can be used normally after the prompt splicing is successful;
7. In order to prevent data loss, you can save the spliced data (project settings export parameters and save them in the whole machine)
8. When the automatic splicing fails, you can click the manual calibration button next to the automatic button to complete the splicing by manually drawing points:
9. Directly click the red cross point or the next point to switch the point, drag the point to trace the approximate position, and drag in the magnifying glass window to fine-tune the position of the corresponding point. When the points are accurately aligned, click OK to proceed to the next step plot points



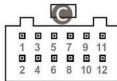
## 4Core Wiring Diagram



- A1: GND (Black)  
A2: B+ (Yellow)  
A3: ACC KEY Switch (Red)  
A4: ILL Small Lights Detecting  
A5: REVERSE  
A6: KEY2 SWC Detecting Line  
A7: KEY1 SWC Detecting Line  
A8: ANT Power  
A9: FR- (Grey/Black)  
A10: RL- (Green/Black)  
A11: FR+ (Grey)  
A12: RL+ (Green)  
A13: FL- (White/Black)  
A14: RR+ (Purple)  
A15: FL+ (White)  
A16: RR- (Purple/Black)



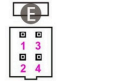
- B1: AMP  
B2: GND  
B3: AUX IN-R  
B4: RCA-FL Out  
B5: AUX IN-L  
B6: RCA-FR Out  
B7: NC  
B8: GND  
B9: NC  
B10: GND  
B11: NC  
B12: CVBS IN-GND  
B13: NC  
B14: CVBS Out-(NC)  
B15: NC  
B16: SUB  
B17: CVBS-Video-IN-(NC)  
B18: CVBS-Video-IN2  
B19: MIC-(NC)  
B20: MIC+(NC)



C: Useless



- D1: GND-(NC)  
D2: POW-12V-(NC)  
D3: RCA-RL Out-(NC)  
D4: RCA-RR Out-(NC)  
D5: KEY-RST-(NC)  
D6: I-POD-DET-(NC)  
D7: CAN-TX  
D8: CAN-RX



- E1: USB1-5V  
E2: USB1-DP1  
E3: GND  
E4: USB1-DN1



- F1: USB2-5V  
F2: USB2-DP  
F3: GND  
F4: USB2-DN  
F5: USB3-DN(NC)  
F6: USB3-DP(NC)

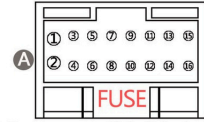
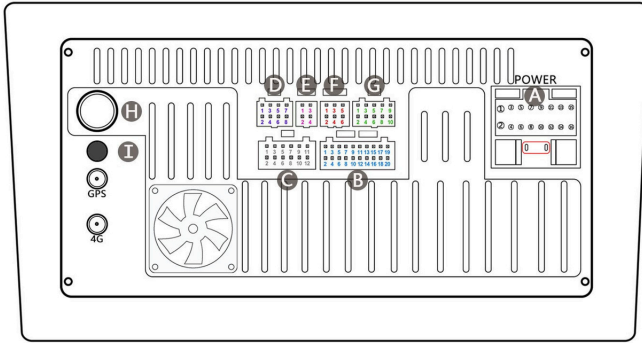


- G1: NC  
G2: Bluetooth ANT  
G3: NC  
G4: NC  
G5: NC  
G6: CAMERA-CVBS  
G7: NC  
G8: CVBS-GND  
G9: NC  
G10: Bluetooth-WiFi

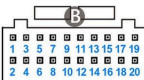


TIPS: NC means reserved/optional function or useless function

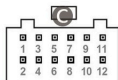
## 8Core Wiring Diagram



- A1: GND (Black)  
A2: B+ (Yellow)  
A3: ACC KEY Switch (Red)  
A4: ILL Small Lights Detecting  
A5: REVERSE  
A6: KEY2 SWC Detecting Line  
A7: KEY1 SWC Detecting Line  
A8: ANT Power  
A9: FR- (Grey/Black)  
A10: RL- (Green/Black)  
A11: FR+ (Grey)  
A12: RL+ (Green)  
A13: FL- (White/Black)  
A14: RR+ (Purple)  
A15: FL+ (White)  
A16: RR- (Purple/Black)

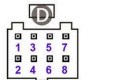


- B1: AMP  
B2: GND  
B3: AUX IN-R  
B4: RCA-FL Out  
B5: AUX IN-L  
B6: RCA-FR Out  
B7: SIMO-DA  
B8: GND  
B9: SIMO-DET  
B10: SIMO-GND  
B11: SIMO CKL  
B12: CVBS IN2-GND  
B13: SIMO-RST  
B14: CVBS Out-(NC)  
B15: VDD-SIMO  
B16: SUB  
B17: CVBS-Video-IN1(NC)  
B18: CVBS-Video-IN2  
B19: MIC-  
B20: MIC+

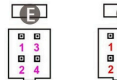


- C1: 5V+  
C2: 5V+  
C3: Left Cam  
C4: GND  
C5: Rear Cam  
C6: GND  
C7: Right Cam  
C8: GND  
C9: Front Cam  
C10: GND  
C11: Right Cam Control  
C12: Left Cam Control

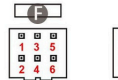
TIPS: C is Optional



- D1: GND-(NC)  
D2: POW-12V-(NC)  
D3: RCA-RL Out-(NC)  
D4: RCA-RR Out-(NC)  
D5: KEY-RST-(NC)  
D6: I-POD-DET-(NC)  
D7: CAN-TX  
D8: CAN-RX



- E1: USB1-5V  
E2: USB1-DP1  
E3: GND  
E4: USB1-DN1



- F1: USB2-5V  
F2: USB2-DP  
F3: GND  
F4: USB2-DN  
F5: USB3-DN(NC)  
F6: USB3-DP(NC)

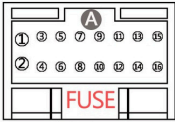


- G1: NC  
G2: Bluetooth ANT  
G3: NC  
G4: NC  
G5: NC  
G6: CAMERA-CVBS  
G7: NC  
G8: CVBS-GND  
G9: NC  
G10: Bluetooth-WiFi

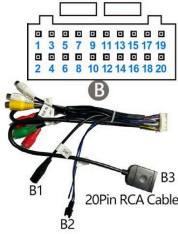


TIPS: NC means reserved/optional function or useless function

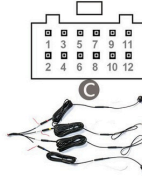
## Connection Example



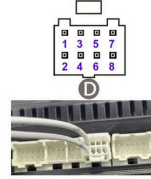
16Pin Harness+CANBUS  
(Not all models have CANBUS)



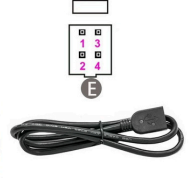
20Pin RCA Cable  
B1 B2 B3



12Pin 360° Panoramic Camera  
(Optional)



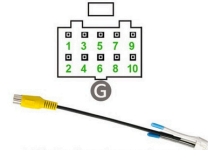
8Pin CANBUS TX RX  
(with CANBUS, must connected)



4Pin USB-1



6Pin USB-2  
(USB-3 is Optional)



10Pin Backup Camera Input  
WiFi Antenna/Bluetooth Antenna



Connet to Radio Antenna/Adapter



Connet to GPS Antenna



Connet to 4G Antenna (8Core)



Microphone Connet to B1



Fan Power Connet to B2



4G Sim Card Connect to B3 (8Core)

TIPS: Just for reference only, please refer to the actual product

## Troubleshooting

If you have problems in operating this product, please refer to this troubleshooting guide for quick solution. If the problem persists, it is advisable to contact the professional or visiting the customer service centre for further assistance. The most common problems are listed below, along with likely causes and solutions.

### Power plug is not suitable

- Please Inform specific car models and years
- Please provide original CD's wire diagram

### No power

- The car key is not inserted or ACC is not turned on, Insert the car key and turn on the ACC
- Incorrect wiring connection. Check the wiring.
- The fuse has been damaged. Replace the fuse.
- The CANBUS box has been damaged. Replace the CANBUS box.

### No sound

- The volume is too low. Adjust the volume.
- Incorrect wiring connection. Check the wiring.
- the radio is not set correctly .reset or Upgrade
- Stuck or running slowly
- Click the icon in the upper right corner to clear the program running in the background.
- Disconnect the power plug and reinsert it
- Upgrade, we will provide upgrade software

### Poor radio reception

- The antenna connection is incorrect. Check the antenna connection.
- The antenna has been damaged or not compatible. Replace the new antenna
- Signal interference, please check the interference source
- Signals are too weak. An additional antenna signal amplifier booster may be required
- The local seek tuning has been turned off. Turn the local seek tuning on
- Place the antenna on the roof instead of inside the car
- In some remote areas, the radio signal is weak, normal phenomenon

### Unable to connect BT

- Please turn on the phone Bluetooth search machine Bluetooth name, then connect
- Clear all Bluetooth records from your phone and machine and reconnect
- Maybe not compatible with the mobile phone system, replace the phone connection
- Modify the Bluetooth name or pairing code of machine and phone

### No GPS signal

- Check GPS antenna connection, or replace the new antenna
- Do not put the GPS antenna together with other antennas, which will cause signal interference.
- In some driving conditions, signals from GPS satellites may not reach your vehicle. In this case, it is impossible for the system to use GPS positioning.
- If a car phone or cellular phone is used near the GPS antenna, GPS reception may be lost temporarily.

### 4G SIM useless

- Check if SIM Card inserted correctly
- SIM card must be activated, Check if there is a network signal in the local area.
- Check if the SIM card network format used is compatible, otherwise you need to replace the SIM card in other formats.
- Setting-Internet-Sim Card Slot1-Turn it ON-Reboot

### Wi-Fi or hotspot useless

- Check Wi-Fi antenna connection, or replace the new antenna
- Clear all Wi-Fi records Reconnect
- Change Wi-Fi name and password
- Change Wi-Fi hotspot connection
- Reset machine network settings
- Settings-system-reset options-network settings reset



WE ADVISE ALL OF OUR PRODUCTS ARE INSTALLED BY A PROFESSIONAL. WE WILL BE UNABLE TO ASSIST WITH  
STEP BY STEP INSTRUCTIONS INSTALLING THIS PRODUCT.

SHOULD YOU ENCOUNTER ANY TECHNICAL ISSUES DURING YOUR INSTALLATION OR WITH SETUP, YOU MAY  
CONTACT OUR DEDICATED TECHNICAL SUPPORT SERVICE.

PLEASE NOTE: TECHNICAL SUPPORT IS AVAILABLE BY WHATSAPP CHAT ONLY AND IS NOT AN INSTANT SERVICE. WE  
AIM TO RESPOND TO ALL CUSTOMERS AS SOON AS POSSIBLE BASED ON TECHNICIAN AVAILABILITY.



# WhatsApp

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