CarPlay Decoder

User Manual

For Ford with Sync2 System

Installation Video

For CarPlay Enthusiasts

1. Compatible Models

1.1 Compatible models classification

The product is suitable for all the models with Sync2 system and original 8-inch screen, includes but not limited to Mondeo, Kuga, Focus, Taurus, Edge, Mustang, Explorer and so on.

1) Compatible models:



2) Not compatible models:



Not 8-inch screen

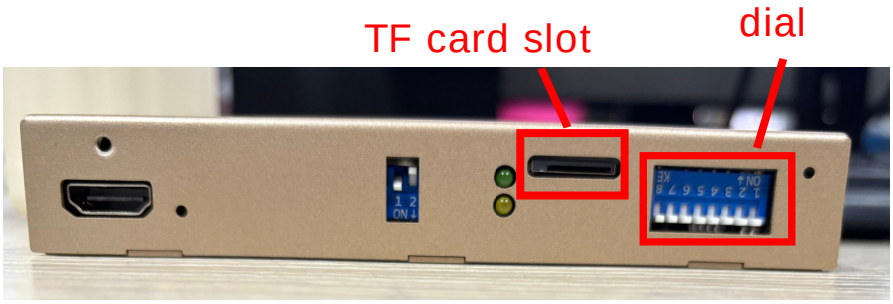


SYNC 3



Not OEM SYNC2

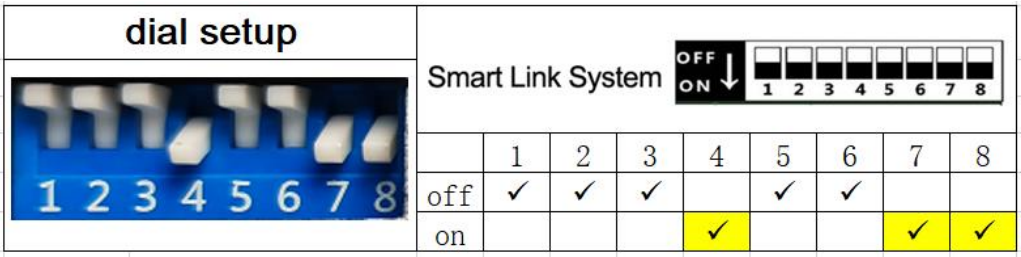
1.2 Toggle switch and TF card slot



Notice: TF card slot is only used for the software upgrades.

1.3 Dial setup

The following figure is the dial setup method of toggle switch

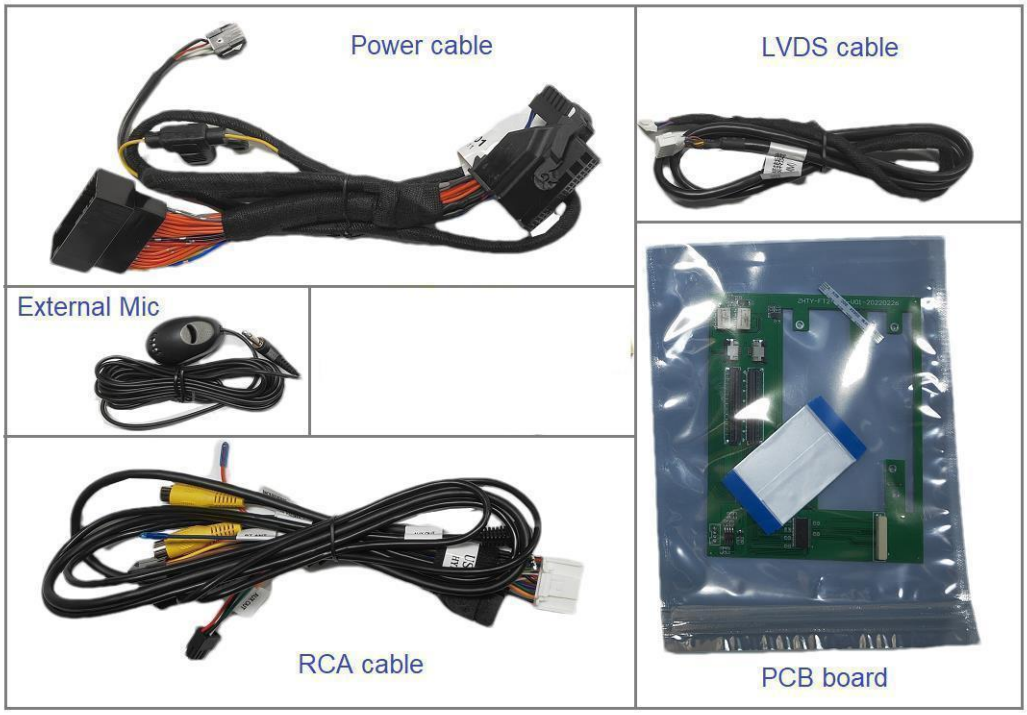


	1	2	3	4	5	6	7	8
off	✓	✓	✓		✓	✓		
on				✓			✓	✓

Notice: if the car has original camera, the status of code NO.1 shall be “on”.
A manual transmission car with an original reversing camera requires a cable to connect the brown reversing signal detection line of the device to the power supply line of the reversing lights
（Manual gear dialling code on 1 /5 /7 /8）

2. Product Installation

2.1 Accessories list



2.2 Product installation video

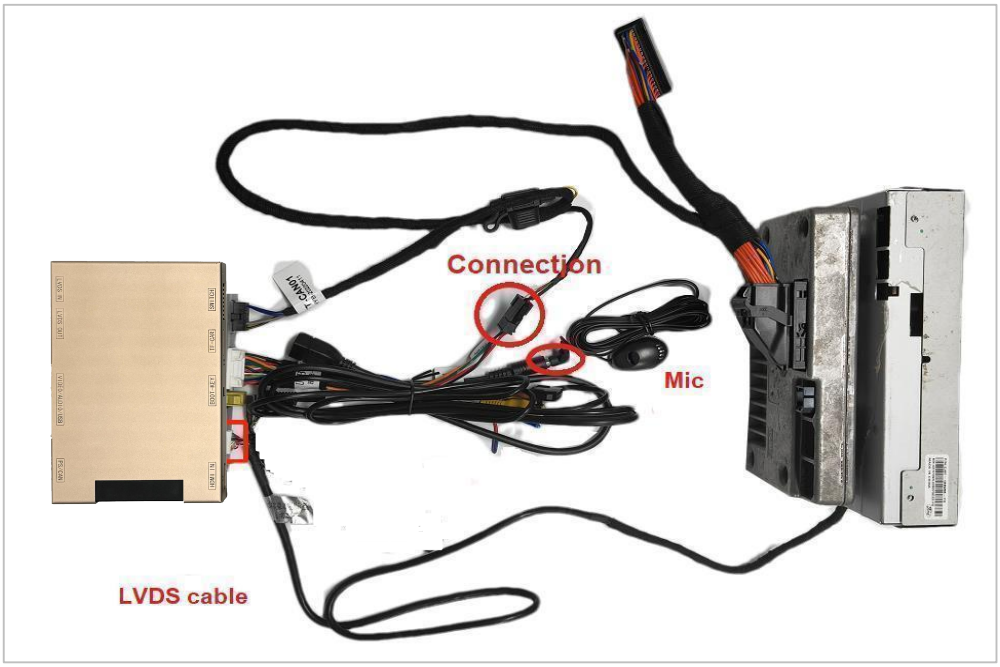
Please scan below QR code on the next page, view the detail via YouTube video of dashboard removal guidance.

When installing the cable, please be careful not to install it upside down or tilted.

For Ford F-Series	For Ford Kuga	For Ford Mondeo

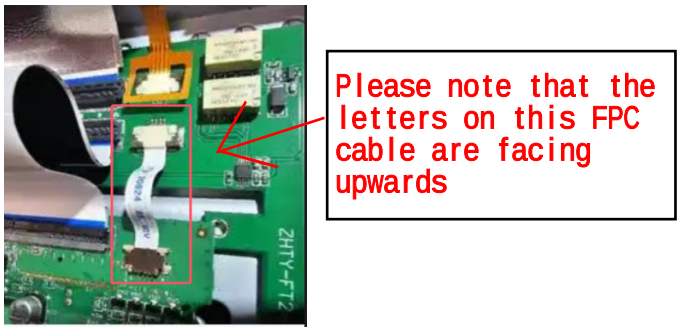
2.3 Cables connection chart

Cables connection sketch map shows as below.



2.4 PCB board installation video

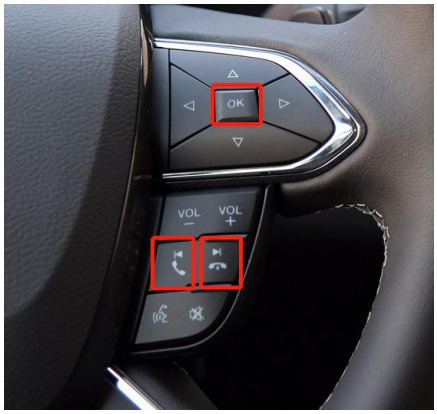
Please scan below QR code to view the video of PCB board installation.



Notice: Please make sure the ribbon cable and slot need to be neat and snapped while laying the PCB board cable.

2.5 System switching method

System switching method will be different, which is depends on car models.

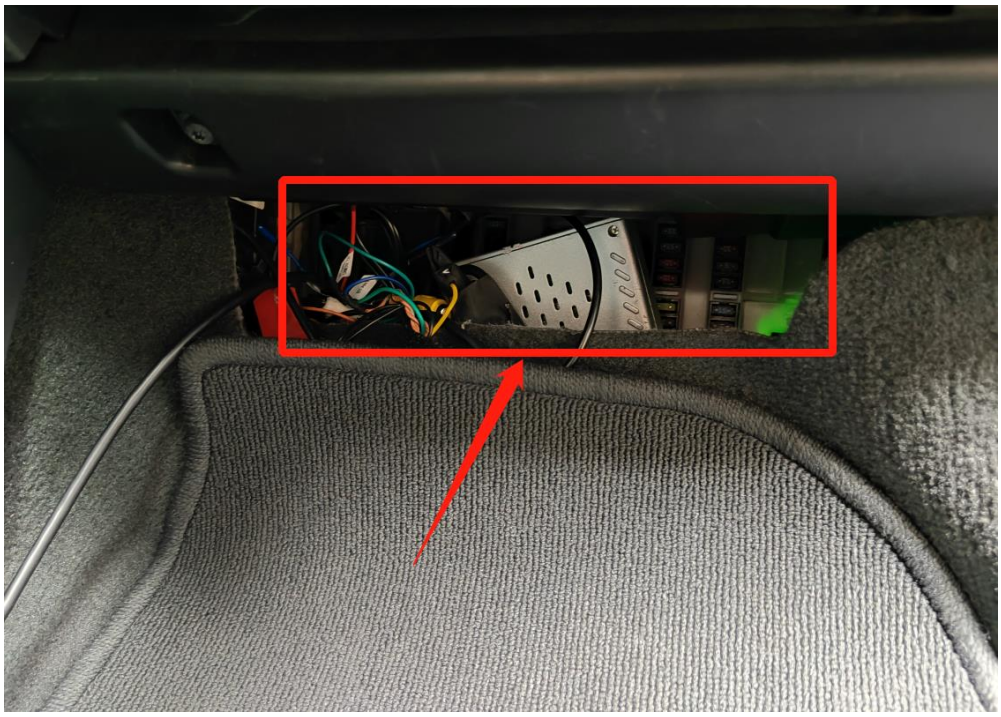




For example, you can long-press for 2 seconds of “previous” or “next” button to switch between original system or CarPlay system, you also can long-press “ok” or “sound” button to switch the system, if your car has these buttons.

2.6 CarPlay box & Wi-Fi antenna installation

CarPlay box can be installed inside the Storage box in front of passenger, or come other suitable locations.



The Wi-Fi antenna cannot be placed close to metal objects. (The signal will be

very poor if Wi-Fi antenna is close to the metal objects.)



Newly upgraded yellow module antenna is integrated into the module, no external antenna is possible

2.7 Mic installation

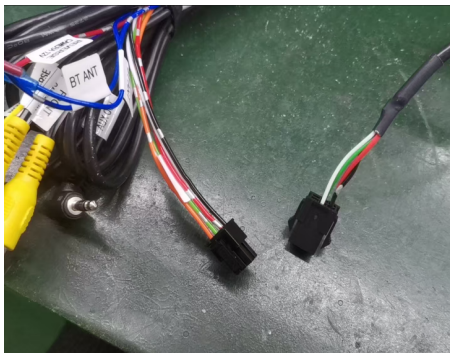
Below is the example of Mic installation and cable laying, just take it as reference.



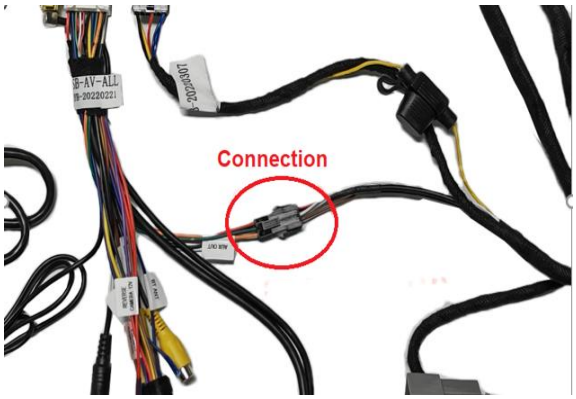


3. Sound Setup

1) Disconnect the Bluetooth between your phone and your car.
2) Connect the Audio cable together as below shown



If it automatically returns to the original page, unplug this plug and plug the AUX cable into the AUX socket on the car's handlebar box



Notice: Sound transmission need to connect “Aux out”.

3) AUX setup

Before using the CarPlay system, please finish “AV IN” setting, and then the CarPlay /Android Auto system will have sound.

Below is “AV IN” setting steps:

a) Enter into the “Entertainment“ interface，Click the “Entertainment”





b) Click the “A/V In”



c) Return to CarPlay interface and done



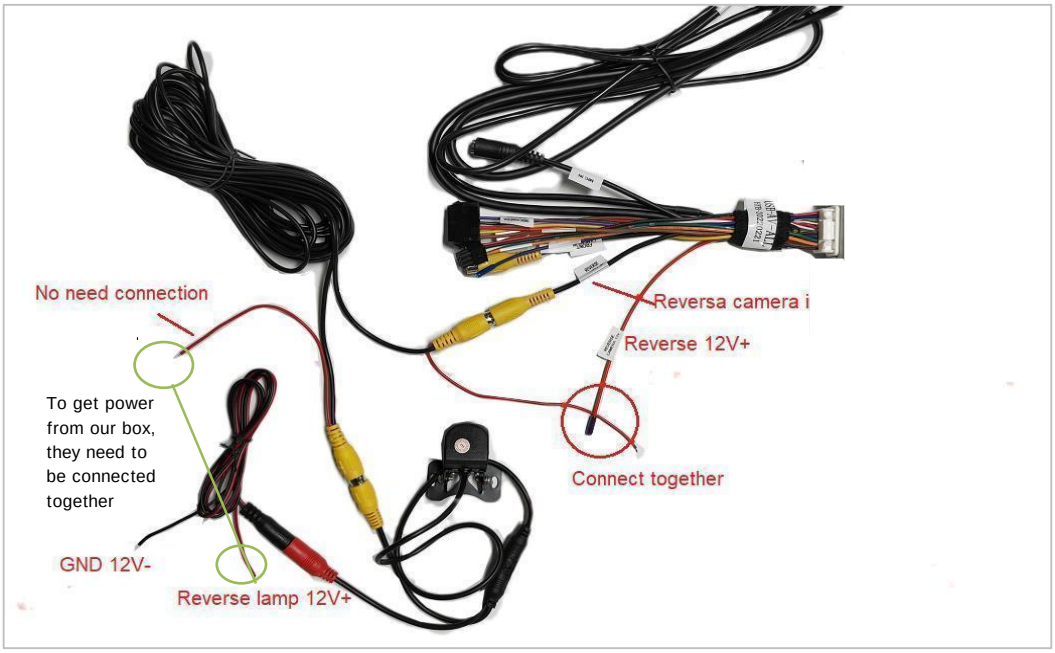
4. Reverse Camera and 360 Camera

1) Original camera setting

If the car has original camera, code NO.1 of toggle switch need to be set as “on” status.

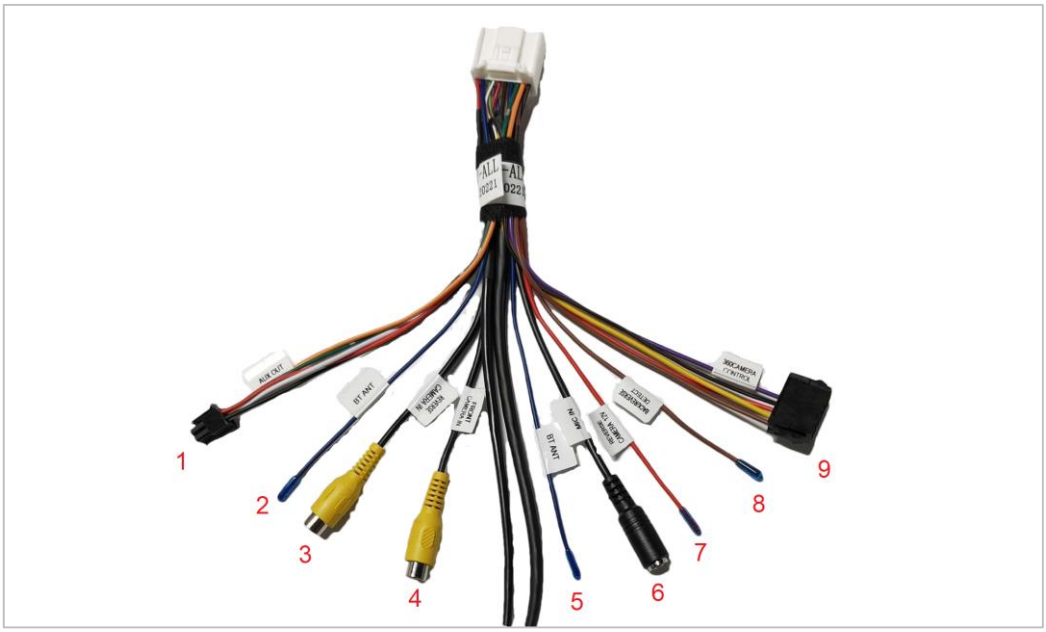
2) Aftermarket rear camera

For the aftermarket rear camera, please follow below sketch map to connect the cable.



3) Aftermarket 360 camera

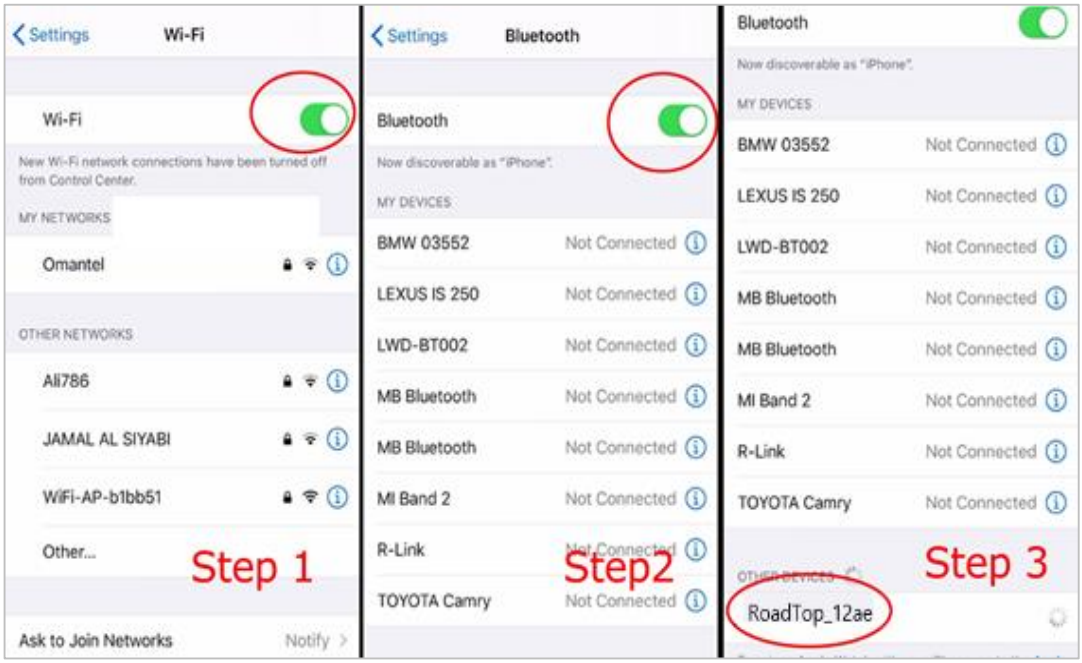
360 camera needs to connect cable NO. 3 and NO. 9（REVERSE CAMERA IN and 360CAMERA CONTROL）.

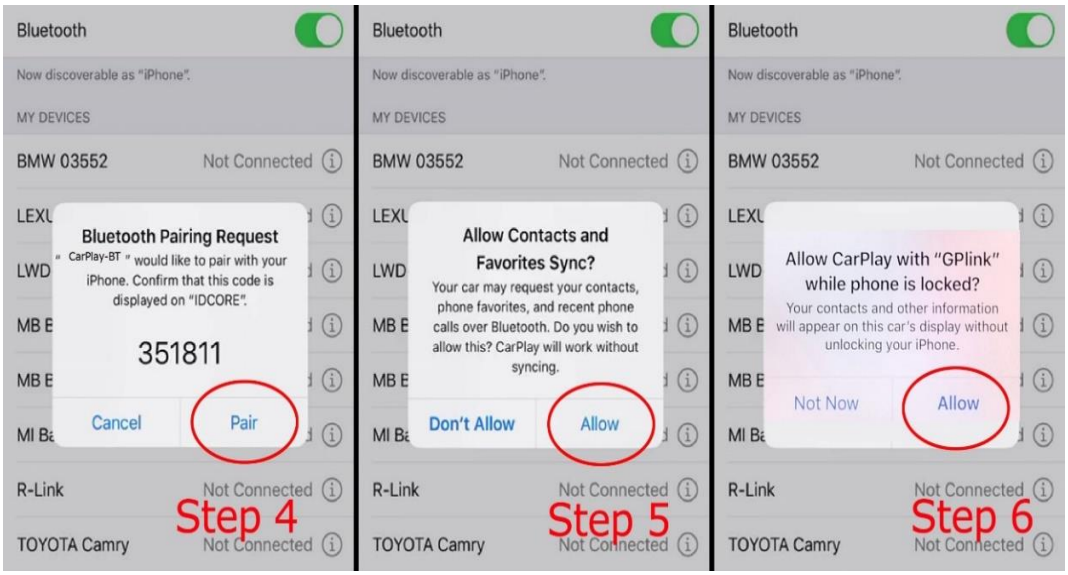


5. CarPlay and Android Auto

5.1 Wireless CarPlay / Android Auto

1) Disconnect or remove the Bluetooth connection between your phone and car.
2) Turn on your mobile Phone “Wi-Fi” switch.
3) Turn on “Bluetooth” as well.
4) Search the Bluetooth of the product. The Bluetooth name of the product shall be “Car Audio_XXXX”.
5) Pair the Bluetooth.
6) Allow the sync
7) Start to use CarPlay / Android Auto function.





5.2 Wired CarPlay / Android Auto

1) Connect the Product to your phone by USB cable.

2) Use wired CarPlay / Android Auto function.

6. Air Play and Mirror Link

6.1 Wireless Air Play

1) Please disconnect the CarPlay connection if the CarPlay is working (turn off “WI-FI” switch).
2) Click “Mirroring” icon on the main interface as below figure 7.1, the hotspot name and password will be shown at the lower left corner of the mirroring interface as figure 8 shown.

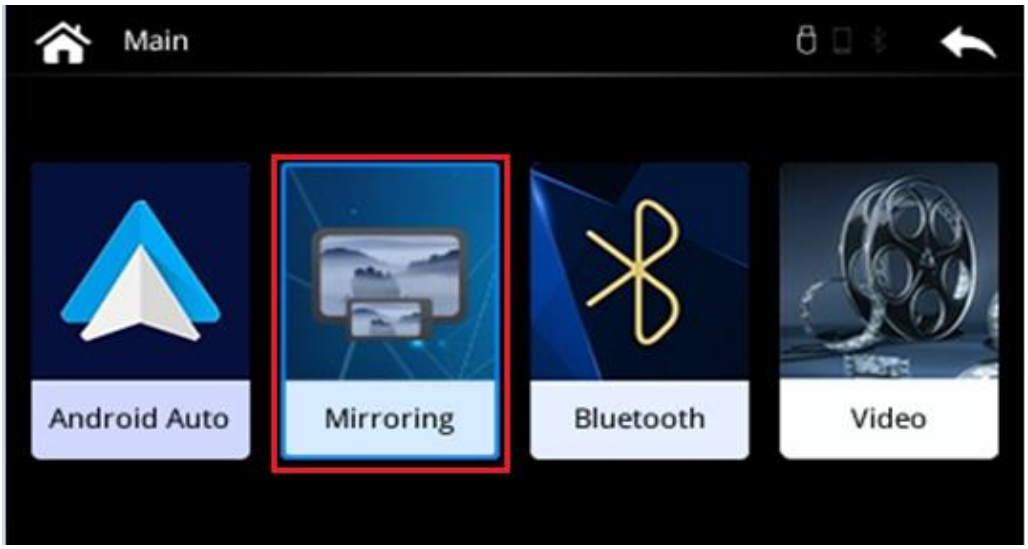


Figure 7.1: main interface of the screen

3) Select and Click iPhone as shown in below figure 7.2.



Figure 7.2: mirroring interface

4) Search and connect WI-FI named “CarPlay_XXXX” shown at the bottom left corner of the screen by your iPhone, and enter password: 88888888. (Only the first-time connection needs to enter password)
5) Open the shortcut menu bar of iPhone, select "screen mirroring" and turn it on, and then you can use Air Play function.

6.2 Wireless Android Mirroring

1) Download “M-link” app by your android phone and complete the installation. Below is the QR code and the link for the “M-link” app https://drive.google.com/file/d/1mSo44RhShrFmEaAsLfbqzfsG7Zd_d4aX/view?usp=sharing

2) Disconnect the CarPlay connection if the CarPlay is working as well.
3) Click “Mirroring” icon on the main interface as below figure 7.3.

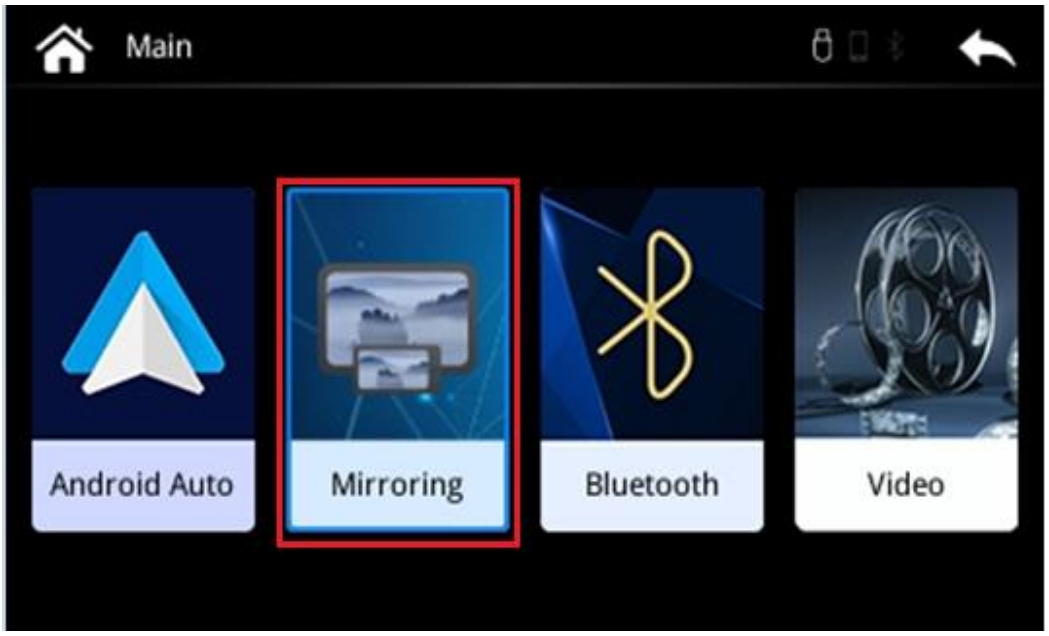


Figure 7.3: main interface of the screen

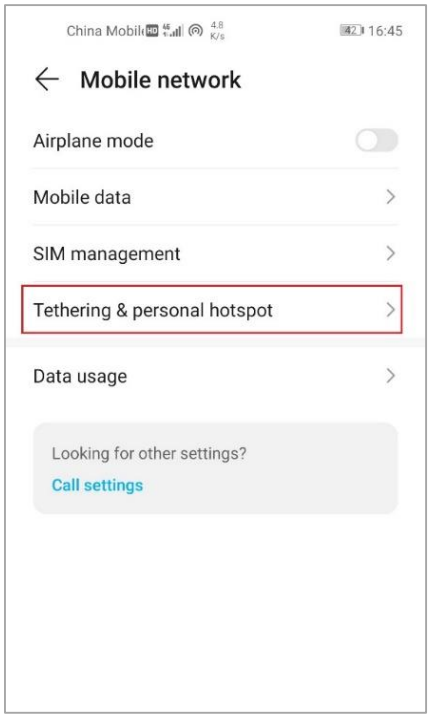
4) Select and tick Android in figure 7.4

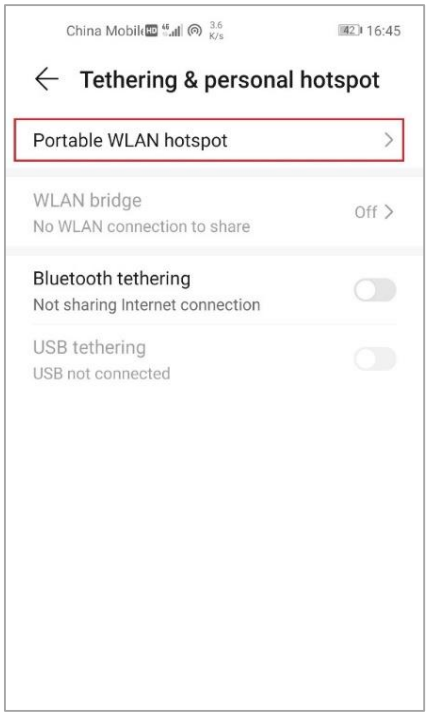


Figure 7.4: mirroring interface

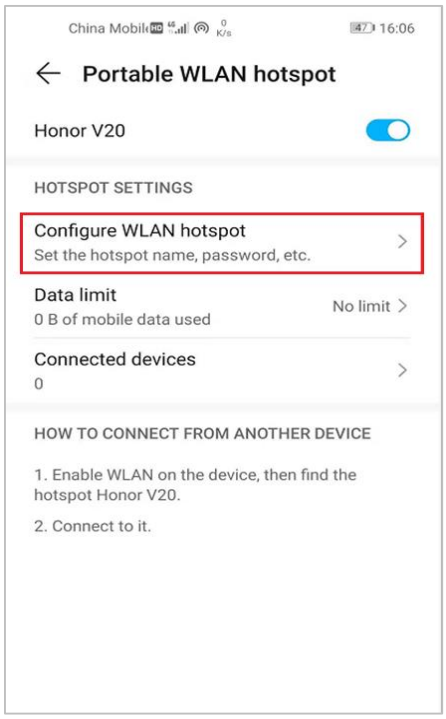
5) Turn on the Bluetooth of the android phone, search the Bluetooth named as “Car Audio_XXXX” and pair it.

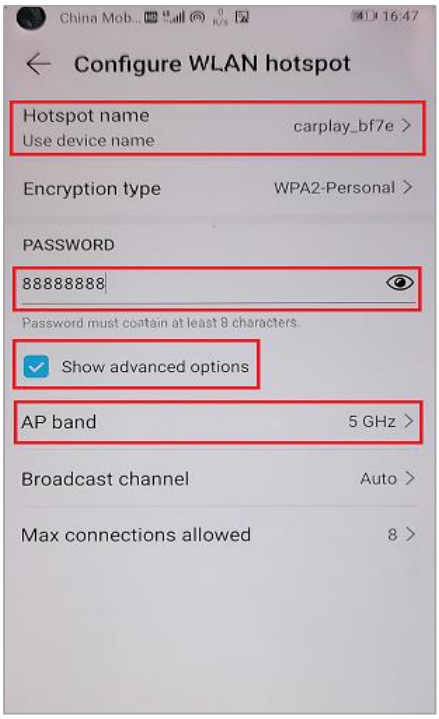
6) Go to the “Mobile network” setting of your phone, select “Tethering & personal hotspot” and press “Portable WLAN hotspot”.





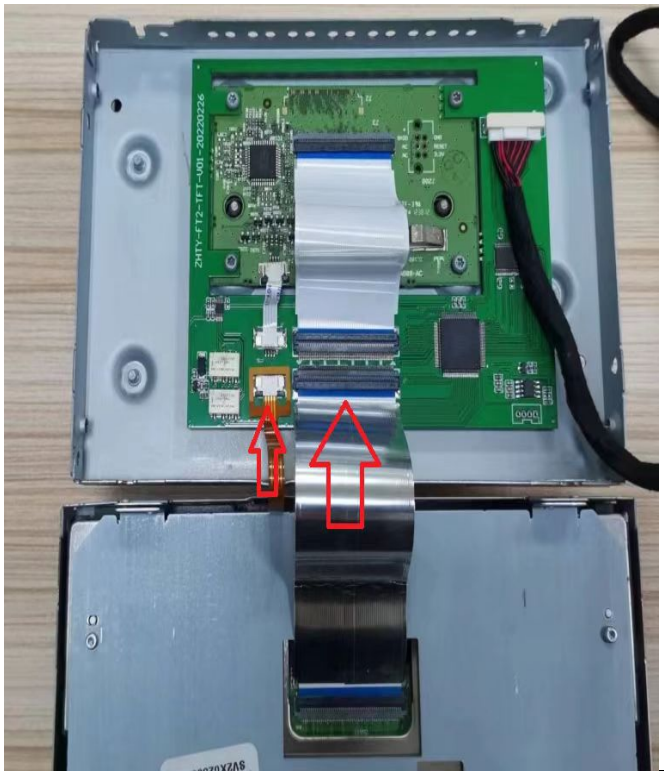
7) On the “Portable WLAN hotspot” interface, select “Configure WLAN hotspot” to enter hotspot configuration interface, set the name and password of "Personal Hotspot" to be consistent with the name and password shown on the above figure 10 "Mirroring" interface.





8) Tick “Show advanced options” and select "5.0 GHz Band" for the hotspot AP frequency band; turn on the "Personal Hotspot" switch, return to the main interface of the phone and open "m-Link" to use mirroring function.

Please note that

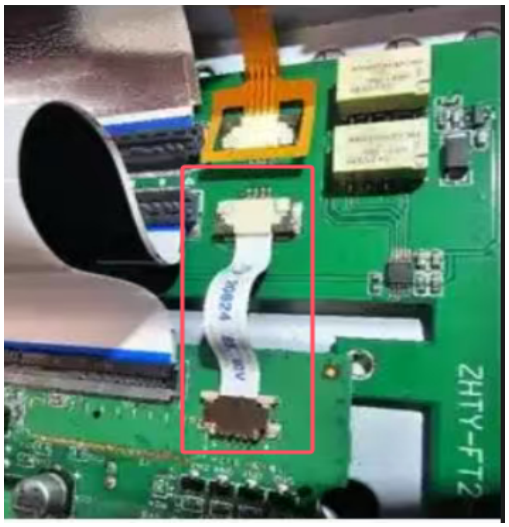


When installing, please mount our PCB circuit board onto the original FPC circuit board of the car

8. FAQ

Q：After device installation, the car screen touch does not work

A：Caused by reverse installation of FPC touch cable. The correct installation method is to have the letters on the cable in the picture facing upwards. If not installed correctly, it will cause the screen touch to not work



Q: No sound after installation?
A: Check if the AUX cable is installed correctly, audio set AUX mode, mobile phone delete car bluetooth,
Q: No touch on the screen after installation
A: Check the small FPC cable, the letter is on the front side to be correct,
Q: Reverse camera does not show after installation?
A: Check the DIP switch settings, the original car comes with reversing camera dial code 1 ON, automatic gear: 1/4/ 7/8 ON,manual gear car 1/5/7/8 ON.
Q: How to connect the wireless Carplay and Android Auto
A: Your mobile phone only need to connect our box bluetooth can be, the mobile phone bluetooth idle state, don't connect
watch recorder, etc., connecting bluetooth will Automatically enter the wifi transmission, can not manually enter the password Connect wifi

- press it one time to the beginning of the playing song;
- Continuing to press it two times you can change to the previous song;
- if you Long-press “Sound” button for 2 seconds to switch the system between original system and CarPlay system.

3) Calling button: Press it to answer the calling.



Manual transmission original reversing camera does not display, you need to connect it to the reversing light power cable, the module digital dial on 1/5/7/8



Installation Video