User Manual

For AUDI

Android Auto   Apple CarPlay

Specifications
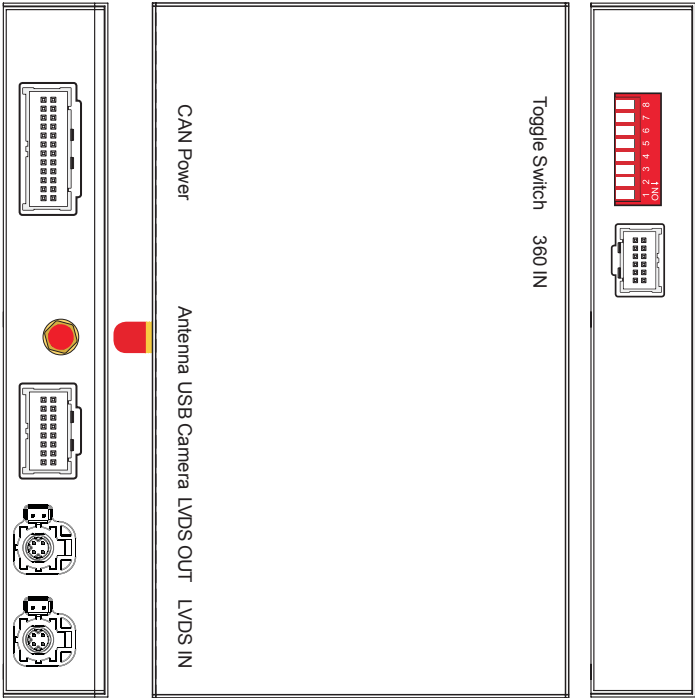
Specification

Input	USB/CVBS signal input
Input Voltage	12-16V DC
Rated Current	2A
Rated Power	24W
Control	Voice control, iDrive control
Material	Housing aluminum

Panel description

CAN Power	For power cable connection, CAN data transmission
Antenna	Wifi antenna connector
USB Camera	USB data transmission, and for reverse/front camera conenction
LVDS OUT	Connect with cable labelled 'LVDS-OUT-CIC'
LVDS IN	Connect with cable labelled 'LVDS-CIC-C19'
Toggle switch	Refer DIP code setting to set for different car models
360 IN	Exterior 360 input(VGA signal input)

Features

>Support wireless/wired Carplay connection

>Support wireless/wired Android auto function (some mobile phones)

>Support wireless Airplay function

>Support wired Autolink function

>Compatible with OEM microphone and external microphone

>Support EQ adjustment,lossless sound quality

>Support HDMI input

>Support USB to play audio file &video, support firmware upgrade

 >Keep the OEM system function, reversing radar and track display

Accessories

LVDS-CPCAR1702C-All

AV-USB-GP68

Antenna

Main harness for different car models

Main Harness
CAN-GPXI1701-A6

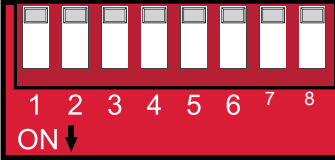Main Harness
CAN-GPXI1701-A7C

Main Harness
CAN-GPXI1701-A8

Main Harness
CAN-GPXI1701-Q3S
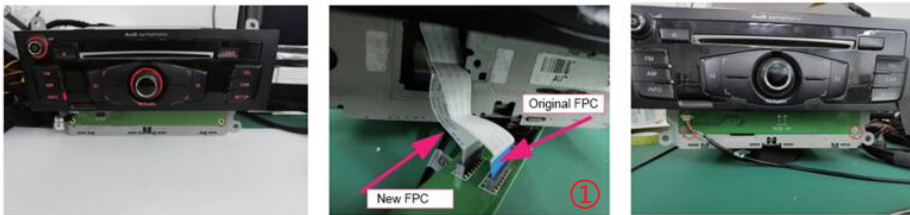
Main Harness
CAN-GPXI1701-Q5U

DIP Switch Setting

Configuration	Audi model	Year	DIP switch	
			1-6	7-8
With MMI	A3(6.3 inch)	2014−2016	110011	OFF
	A3(7 inch)	2014−2016	111001	
	A3(7/8.3 inch)	2017-2018	111000	ON
	A4/A5	2010−2011	000111	
	A4/A5	2012-2016	000000	**Pin7:**
	A4L/A5(7/8.3 inch)	2014−2019	110100	With OEM parking sensor → OFF/0
	A6	2010−2011	001101	No OEM parking sensor → ON／1
	A6/A7	2012-2016	000000	
	A6/A7(MIB2)	2016−2018	001111	
	A8	2012-2018	000001	
	Q2L(7/8.3 inch)	2019	111000	**Pin8:**
	Q3 (No navigation)	2014-2018	001100	With OEM Bluetooth → OFF/0
	Q5	2010-2012	000111	No OEM bluetooth → ON／1
	Q5	2013-2018	000000	
	Q5(7/8.3 inch)	2018-2019	111011	
	Q7	2010-2015	000010	ON : ↓ OFF : ↑
	Q7(7 inch)	2016-2018	111011	
	Q7(8.3 inch)	2016-2019	110100	
NO MMI	A4/A5/Q5(6.3 inch)	2009-2018	000101	

Connection Diagram
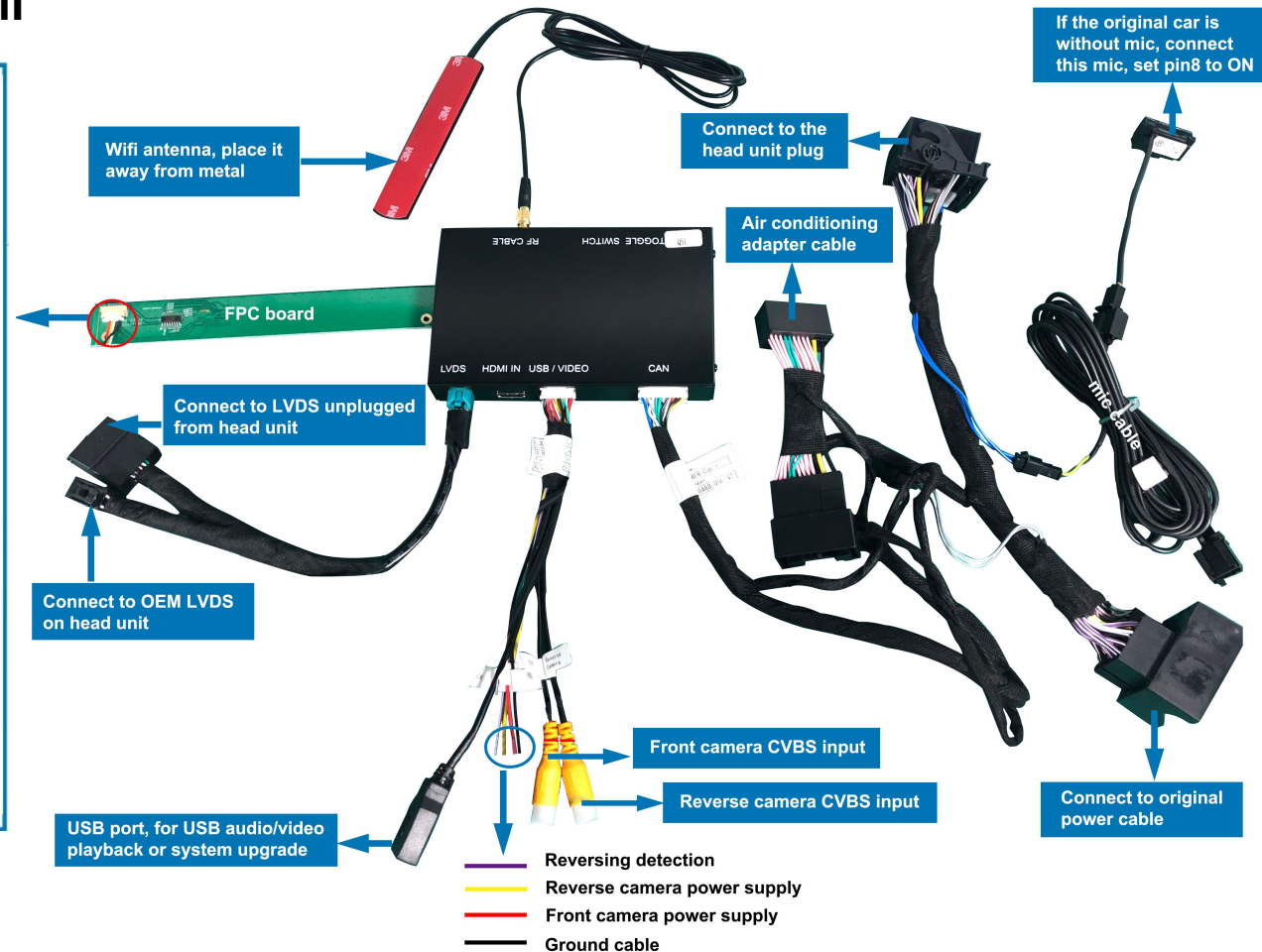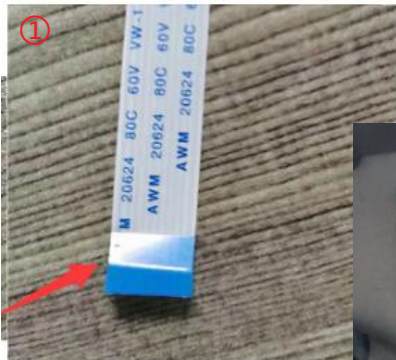
Carplay connection for A4/A5/Q5 NO MMI

FPC connection

Note: 1.Transfer panel button cable, fix the transfer board with original car screws after connection

2.Power needs to be disconnected during installation.

Original FPC

New FPC ①

Complete the transfer of air conditioning panel

Unplug the power of the host

the transfer port

Plug into the host port

①

Please pay attention to the color order of the cable

08-12C-B
20171106

②

Wifi antenna, place it away from metal

If the original car is without mic, connect this mic, set pin8 to ON

Connect to the head unit plug

Air conditioning adapter cable

FPC board

LVDS   HDMI IN   USB / VIDEO   CAN

Connect to LVDS unplugged from head unit

Connect to OEM LVDS on head unit

mic cable

Front camera CVBS input

Reverse camera CVBS input

Connect to original power cable

USB port, for USB audio/video playback or system upgrade

Reversing detection

Reverse camera power supply

Front camera power supply

Ground cable
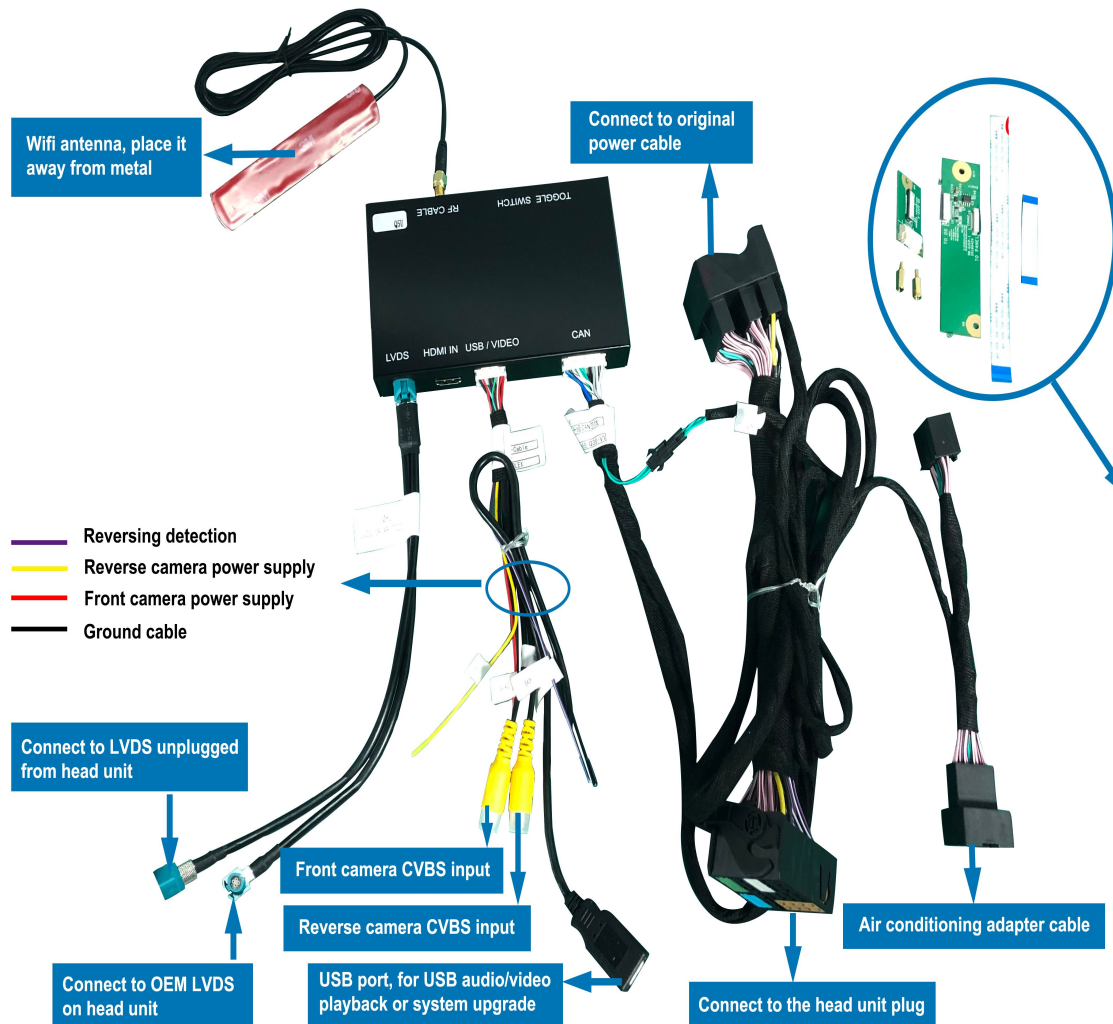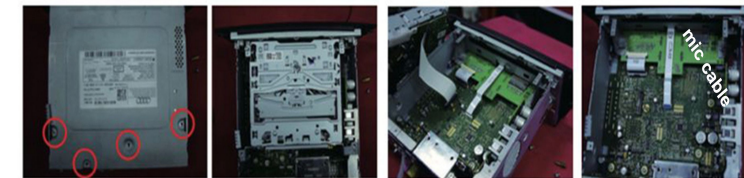
Note:

1.The area that is marked by blue color can 't be bent or broken,which probably has effect on the original car system,can't boot.(Fig1)

2.Pay attention to the direction of FPC while plugged in slots as the show in pics.(Fig2)

Carplay connection for Q3

Wifi antenna, place it away from metal

Connect to original power cable

RF CABLE   TOGGLE SWITCH

LVDS   HDMI IN   USB / VIDEO   CAN

Reversing detection
Reverse camera power supply
Front camera power supply
Ground cable

Connect to LVDS unplugged from head unit

Connect to OEM LVDS on head unit

Front camera CVBS input

Reverse camera CVBS input

USB port, for USB audio/video playback or system upgrade

Connect to the head unit plug

Air conditioning adapter cable

Q3 FPC Adapter Board Installation

mic cable

1.Remove the navigation host and remove the screws

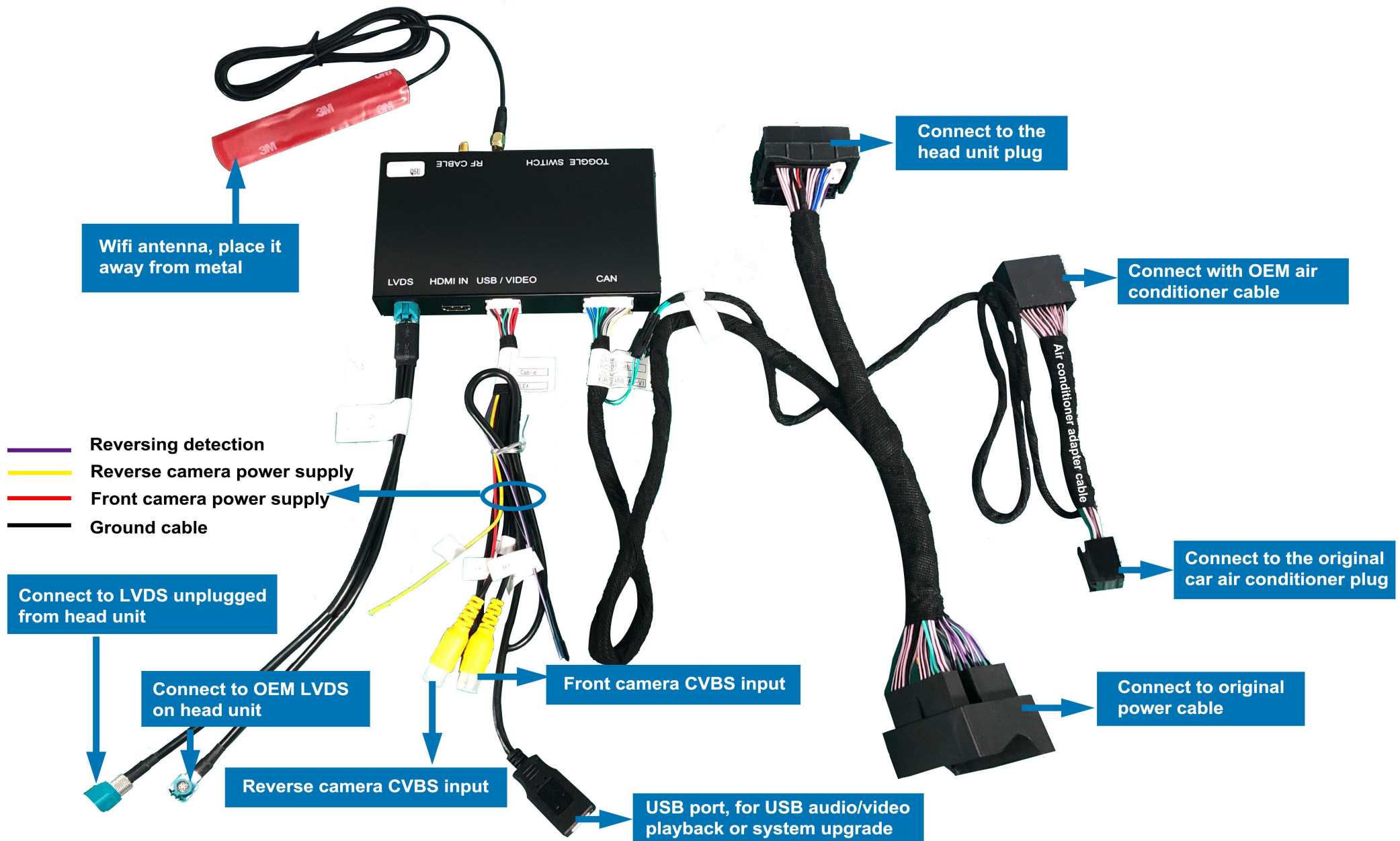2.Remove the CD host cover

3.Remove the CD host

4.After removing

5.Install the external adapter board, as shown above

6.Install the FPC adapter board

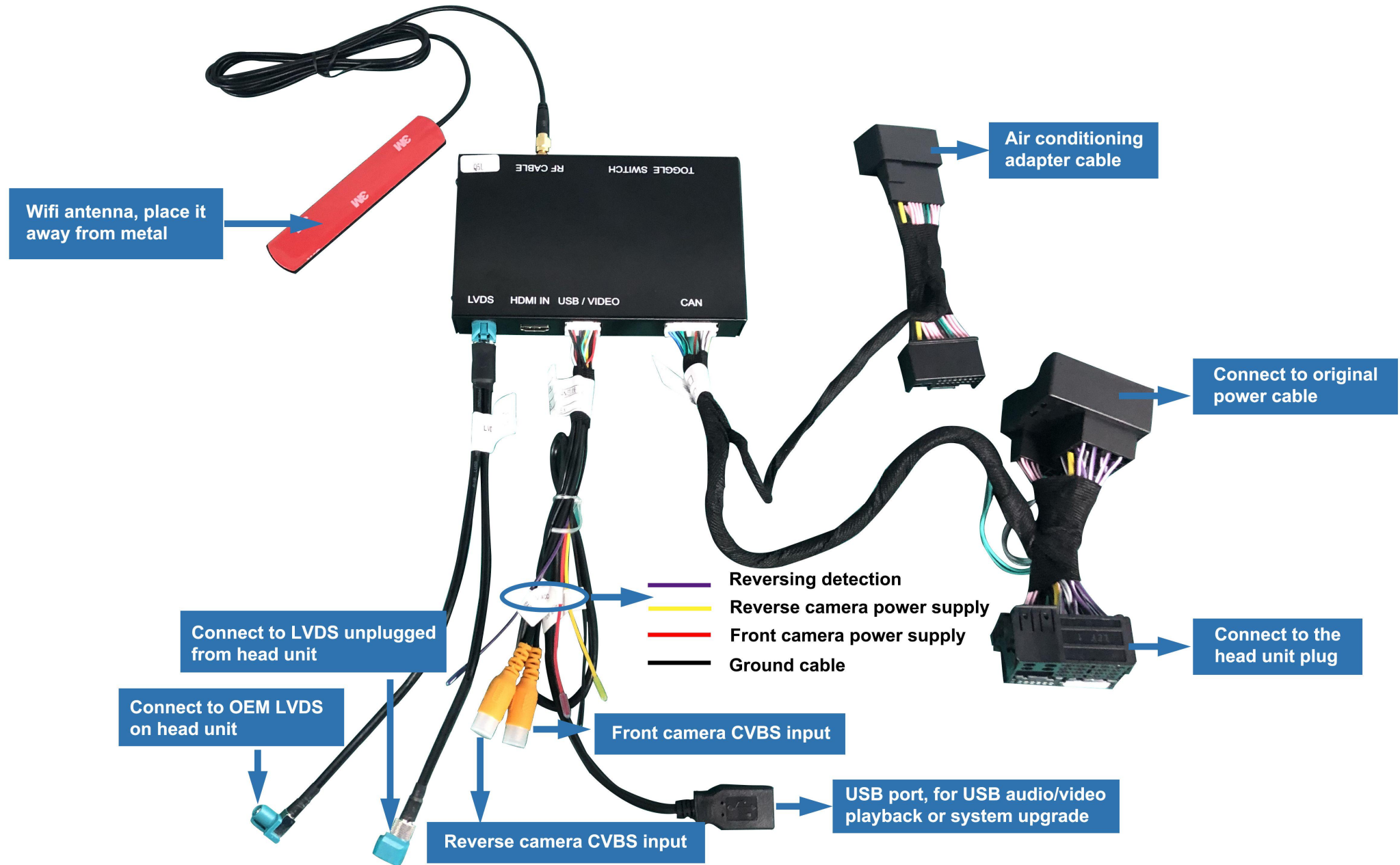7.Remove the screws and install the copper posts

8.Fix the FPC adapter board
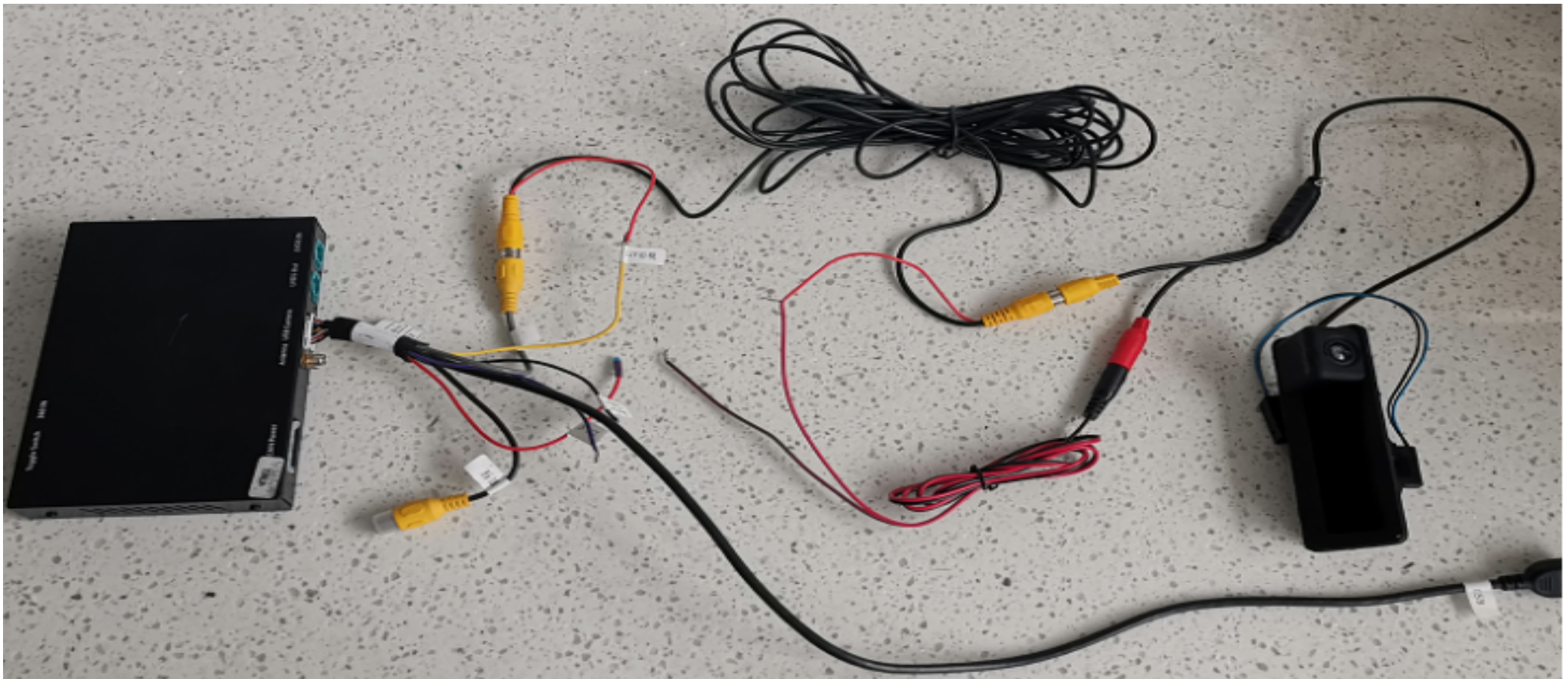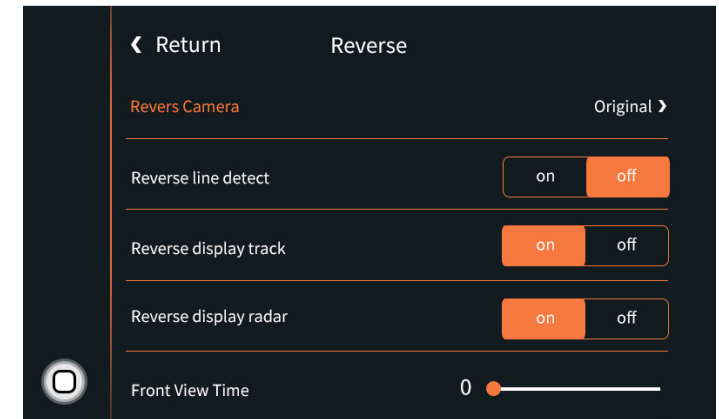
9.Restore the host

Carplay connection for A8

Wifi antenna, place it away from metal

Connect to the head unit plug

Connect with OEM air conditioner cable

LVDS   HDMI IN   USB / VIDEO   CAN

Q5U   RF CABLE   TOGGLE SWITCH

Cable

FLEX

— Reversing detection
— Reverse camera power supply
— Front camera power supply
— Ground cable

Connect to the original car air conditioner plug

Connect to LVDS unplugged from head unit

Connect to OEM LVDS on head unit

Front camera CVBS input

Connect to original power cable

Reverse camera CVBS input

USB port, for USB audio/video playback or system upgrade

Air conditioner adapter cable

Carplay connection for A3/A4/A5/Q5

Wifi antenna, place it away from metal

Air conditioning adapter cable

LVDS   HDMI IN   USB / VIDEO   CAN

RF CABLE   TOGGLE SWITCH

Connect to original power cable

Reversing detection
Reverse camera power supply
Front camera power supply
Ground cable

Connect to LVDS unplugged from head unit

Connect to OEM LVDS on head unit

Connect to the head unit plug

Front camera CVBS input

Reverse camera CVBS input

USB port, for USB audio/video playback or system upgrade
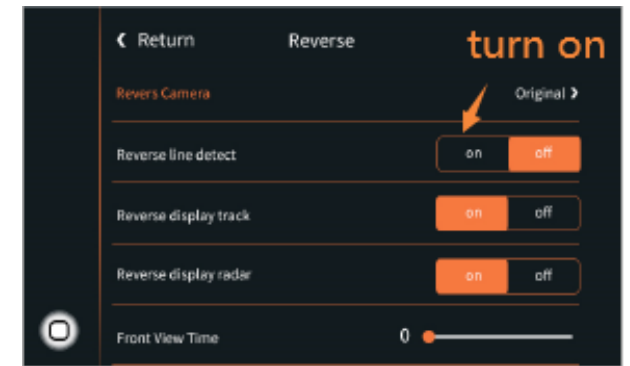
Reverse camera wirng connection and settings

Automatic transmission：

1. Connect the reverse camera to CVBS OUT labeled 'Reverse camera'

2. Connect the cable labeled '12V reverse camera(yellow)' to camera power

3. Setting → Reverse → Reverse camera → Aftermarket

❮ Return	Reverse	
Revers Camera		Original ❯
Reverse line detect		on / off
Reverse display track		on / off
Reverse display radar		on / off
Front View Time		0

Manual transmission

1. Connect the reverse camera to CVBS OUT labeled 'Reverse camera'

2. Setting → Reverse → Reverse camera → Aftermarket

| ‹ Return	Reverse	turn on
Revers Camera		Original ›
Reverse line detect		on / off
Reverse display track		on / off
Reverse display radar		on / off
Front View Time	0	

Connect the cable labeled '12V reverse camera(yellow)' to camera power

Connect the reverse detection cable labelled 'Back(Purple)' to reverse lamp 12V
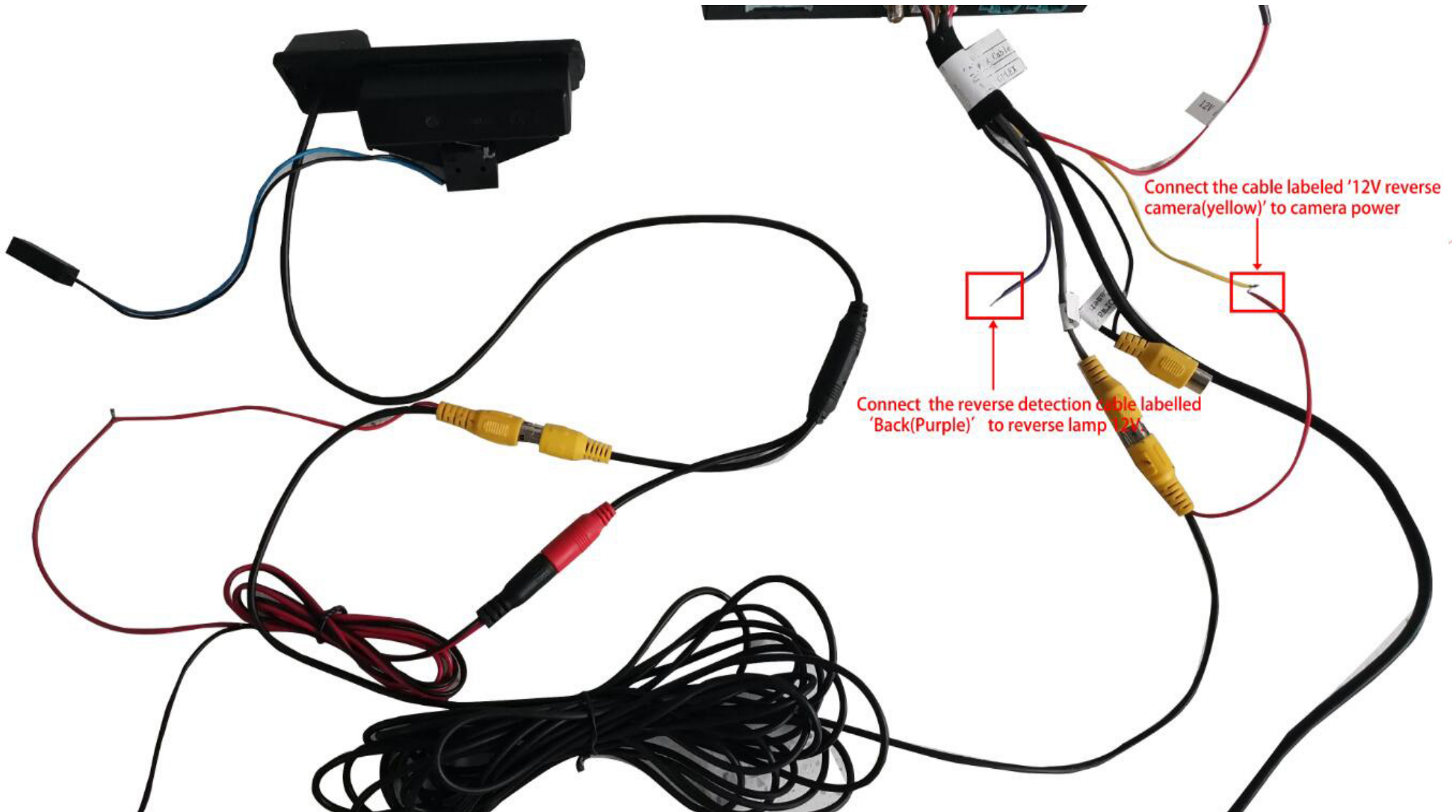
Wireless carplay connection

Apple Car Play

1. Turn on WIFI (Fig.1)
2. Turn on Bluetooth (Fig.2), and connect Carplay's bluetooth (Fig.3/4)
3. After the bluetooth connection is completed, the following prompts will pop up, click 'Allow-Use carplay' (Fig.5/6)
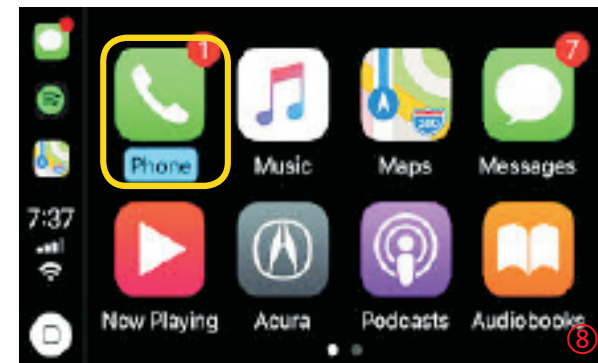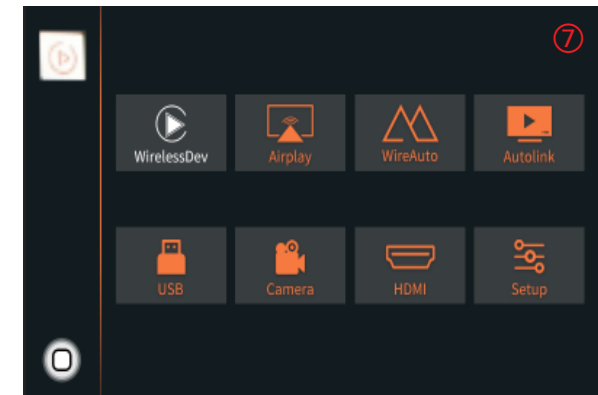
4. After the connection is successful, it will enter Carplay automatically(Fig.7/8)

Wireless Android auto connection

Android Auto

1. Turn on WIFI (Fig.1)
2. Turn on Bluetooth (Fig.2)
3. Search the Android phone's bluetooth on the screen in Carplay system(Fig.3/4/5)
4. Pair the bluetooth with your phone.(Fig.6)
5. After connecting the bluetooth, it will pop up the following prompts(Fig.7/8)
6. Then it will enter Android auto automatically(Fig.9)
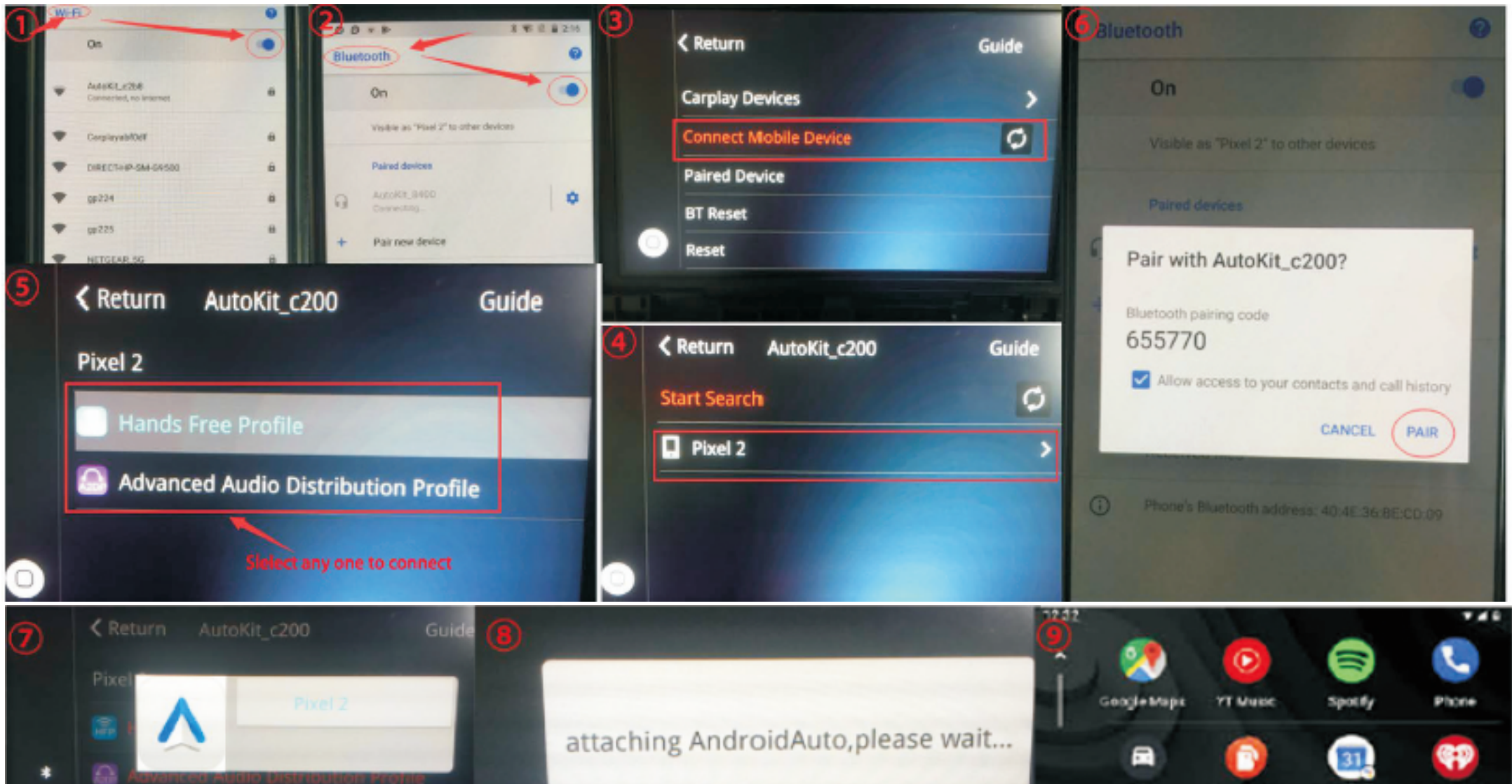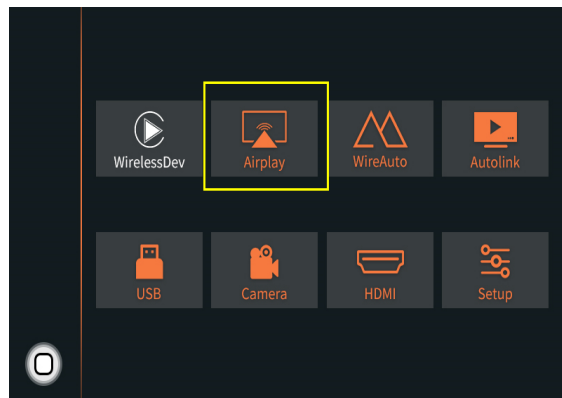
Wired Android auto connection

1. Download Android auto APP on your Android phone(Fig.1).
2. Click 'WireAuto' icon(Fig.2), the prompt 'Please connect your Android device' will pop up(Fig.3).
3. Plug your phone to USB port. then it will enter Android auto automatically(Fig.4).
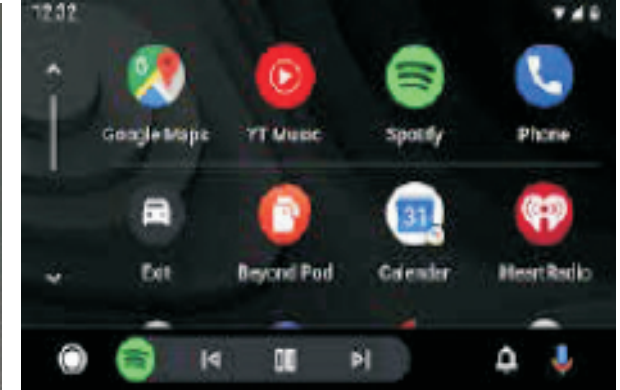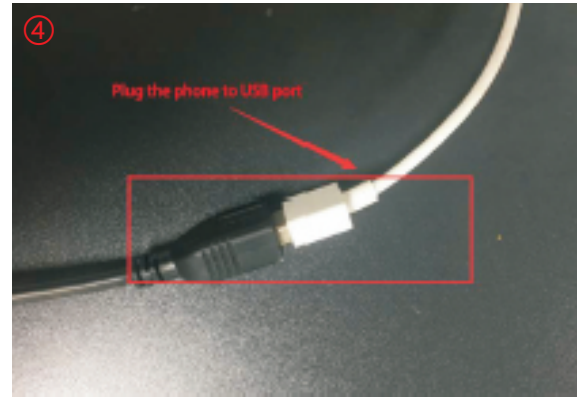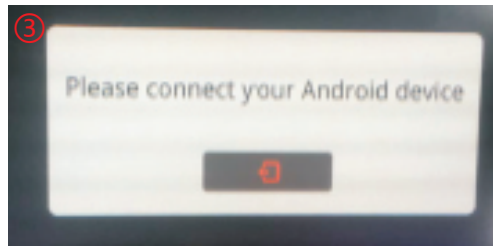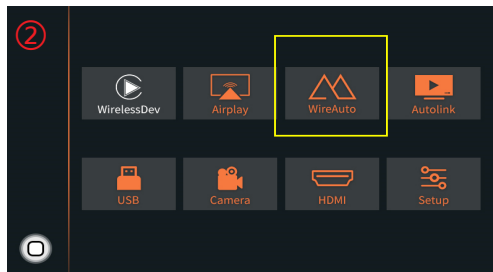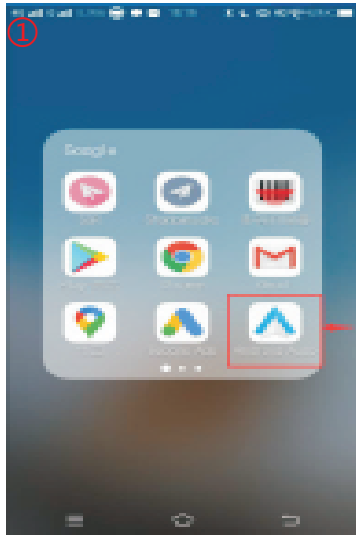

Wireless Airplay connection

1. Click 'Airplay' icon first (Fig.1), the pairing information with the phone will be displayed (Fig.2)
2. Search wifi signal of Airplay and conenct
3. Turn on Airplay (Fig3/4)

Note: If you have connected Carplay before, you need to disconnect Carplay first!

Wired Autolink connection

1. Download Android auto APP on your Android phone(Fig.1).
2. Click 'Autolink' icon(Fig.2), the prompt 'Please connect your Android device' will pop up(Fig.3).
3. Plug your phone to USB port(Fig.4). then it will enter Android auto automatically(Fig.5).
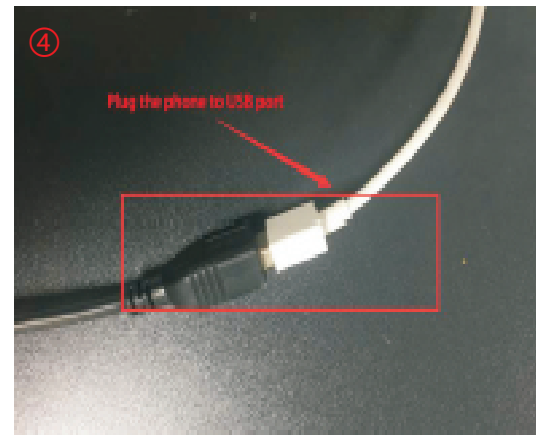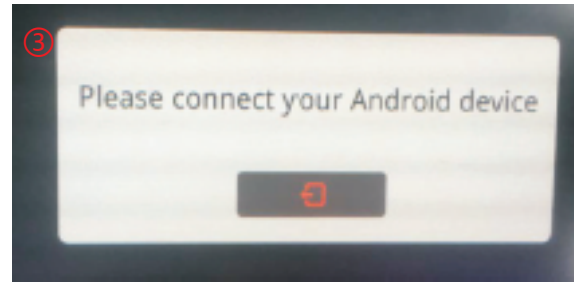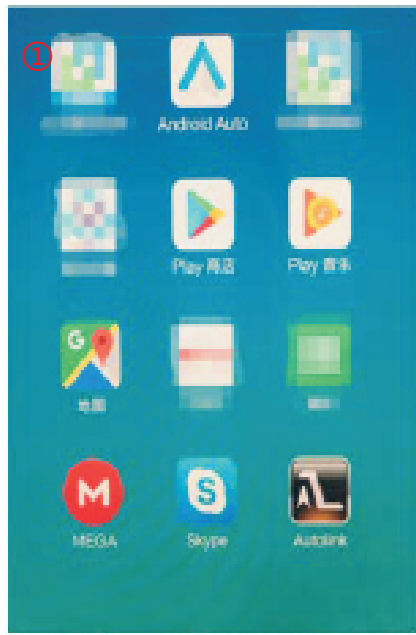
Activation by original buttons
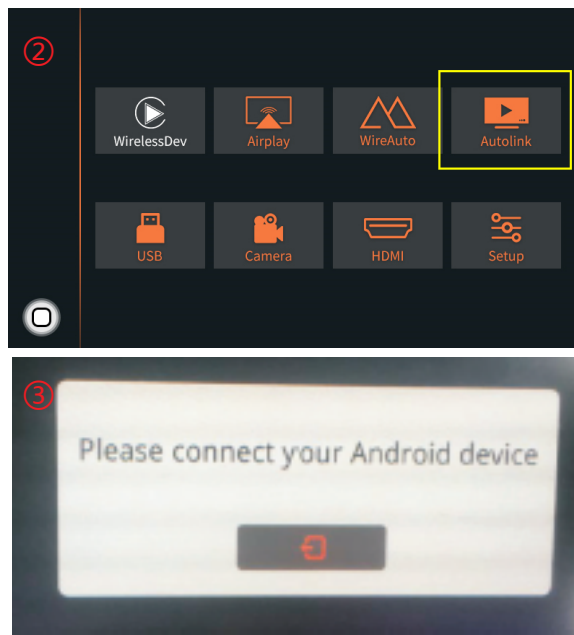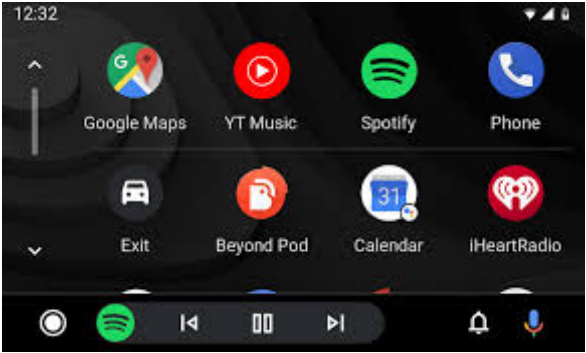
Apple Car Play

Android Auto

Audi A6 3G MMI Controller

Audi A4 3G MMI Controller

Audi A6 3G MMI Steering Wheel Buttons
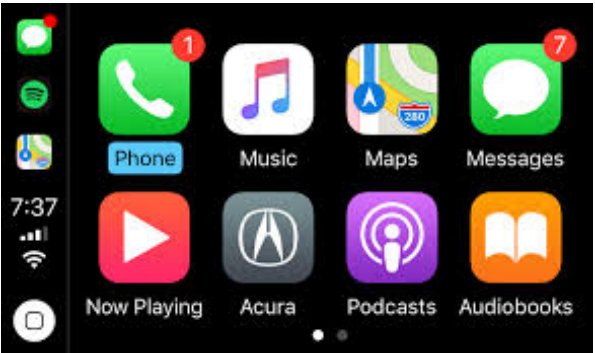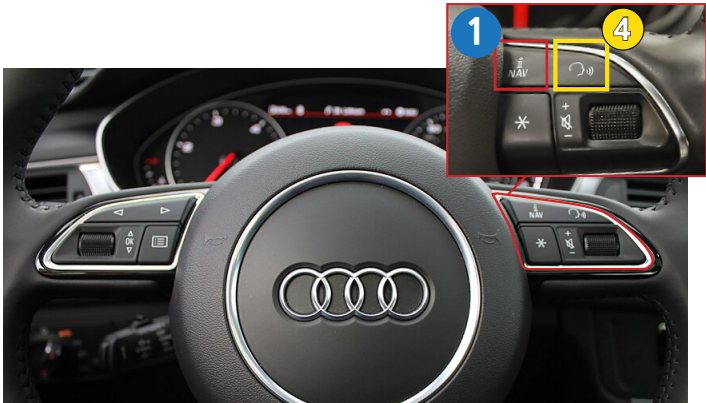
Button	Function	Operation	Remarks	
① **NAV**	Changing Modes	Press the button 3 seconds	Order : OEM → Car Play	
		Press the button short time	Return to the OEM mode in any modes.	
② **Dial**	Move the pointer	Turn the dial	Apple Car Play Function 🍎	
			Google Android Auto 🤖	
↕ **Touch Pad**	Move the pointer Up,Down	Touch the pad	Google Android Auto 🤖	
③ **Back**	Go back	Press the button	Apple Car Play Function 🍎	
			Google Android Auto 🤖	
④ 🎧 **Voice**	"Siri" "Google Assistant"	Press the button 3 seconds	Apple Car Play Function 🍎	
			Google Android Auto 🤖	

Tip：car models with different switch definition

1. Q5 high config,Q7,A6,A8 : NAV button

2. Q5 low config: NAV button CAR button   MEDIA button   INFO button

3. A3 B9 Q3: MEDIA button

Setting instruction:

- **Setting**
  - **System**
    - Language
      - English
      - Italian
      - Spainish
      - Turkish
      - Polish
      - Korea
      - French
      - Chinese/_cs
    - Display
      - Brightness
      - Contrast
      - Chromaticity
      - Saturation
    - Upgrade
      - System Upgrade
      - MCU Upgrade — for detailed info, please contact with our sellers
      - System Information
  - **Volume** — total sound of carplay box
  - **Alter Volume** — navigation sound
  - **Music Volume** — music sound
  - **Speech Volume** — siri sound

Setting

EQ — adjust audio effects
- Standard
- Custom
- Classic
- Rock
- Jazz
- Electric
- Pop
- Soft

Mic Setting
- Echo Config — echo setting resolution template
- Mic Volume — mircro volume amplification
- OP Volume — rough adjustment,for adjusting analog amplification
- Mic Delay — adjust echo cancellation delay parameters

Reverse
- Reverse Camera Setting
  - Original — oem camera
  - Aftermarket — adding camera
- Reverse Line — on : manual transmission / off :automatic transmission
- Reverse Track — off by default;on while adding camera
- Front View Time Set — off by default;on :while adding camera
- Park Enable
- Reverse Full screen

Setting

Carplay/Android-auto
- Left Scrap
- Right Scrap
- Top Scrap — parameters can be adjusted to make the sceen show symmetry
- Bottom Scrap
- Carplay Auto Dark Mode
- Enable Carplay U/D Key — make idrive select up or down

WiFi Channel(reboot requried)
- 6 — 2.4GHZ,basic wifi channel
- 36 — 5GHZ,global universal channel
- 149 — 5GHZ,china channel

Right Drive
on: right hand drive; off: left hand drive

Camera Mirror

Using Car's BT Phone

Enable Wheel Key
activate the function of steering wheel

FAQ

1. Q: What need to be paid attention to during installation?

   A: 1) Make sure that the carplay box is compatible with the installed model, and check whether the label of box matches with the car model
   2) Power off during installation
   3) After the installation is complete, it is best to lock the car for a few minutes to turn it on, wait until the running test is normal, then restore the car

2. Q: While switching to carplay, the screen displays no signal,yellow screen, abnormal screen or no response?

   A: 1) Check whether the wiring is connected according to the wiring diagram

   2) If the wiring connection is normal but the display is not normal, check if the pins of the lvds cable ports are bent or not in contact, you need to re-plug it
   3) Check whether the dip switch code is correct, after each change, re-plug the box's can power cable
   4) If the dip switch code and wiring connection are normal after inspection, box still switches to the black screen, contact with the saler for a solution

3. Q: I don't have sound when I connect carplay, what can I do?

   A 1) if your car has AUX function, set on OEM system
   2) No AUX on your car, you need to buy AMI-to-AUX cable to get sound

AUX   AMI

Connect with AMI port from armrest box

Hanging, No need connect
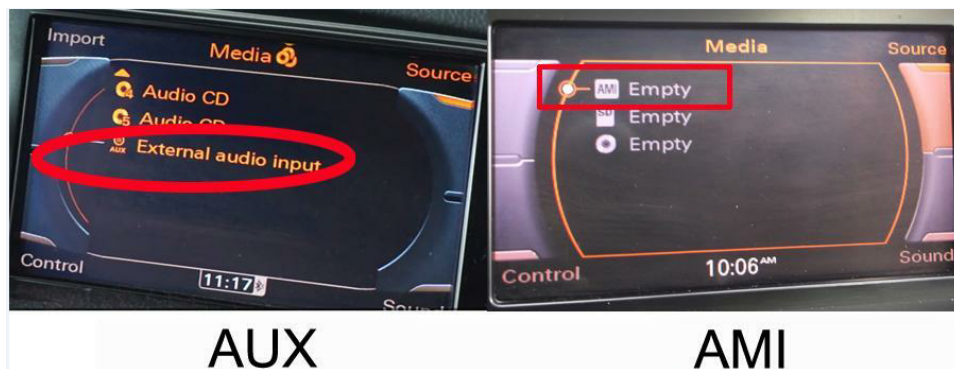
4. Q:When I call someone, he can hear himself, how to do?

   A:solution1

   1) There are 4 default options available(Fig.1)

   2) Try one by one, after changing the setting, restart to take effect

‹ Return	Audio	①
Volume	17 ●━━	
EQ	›	
Loudness	on	off
Active Aux	›	
Mic Echo PreConfig	‹ Default ›	
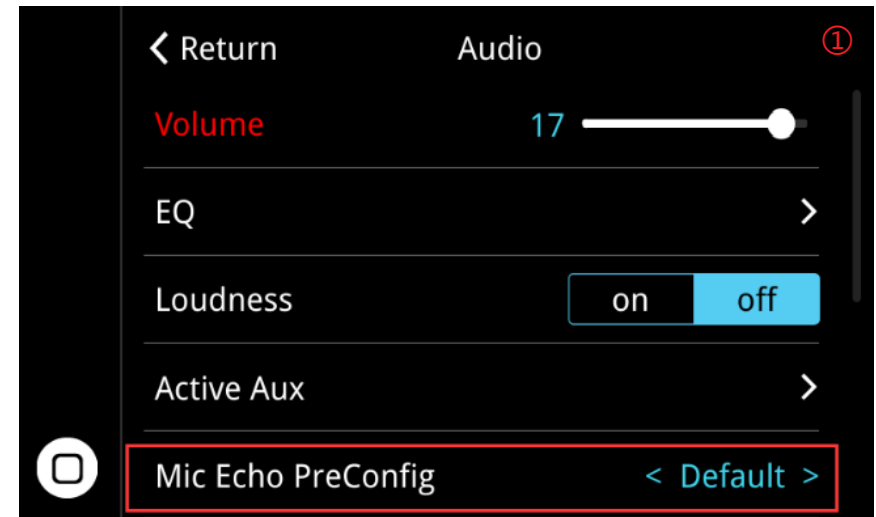
A:solution2
1) Adjust the volume of the original car to normal use

2) Turn the volume in 'audio' setting to 13(Fig.2)

| ‹ Return	Audio	Adjust to 13 ②
Volume	17 ━━●━	
EQ	›	
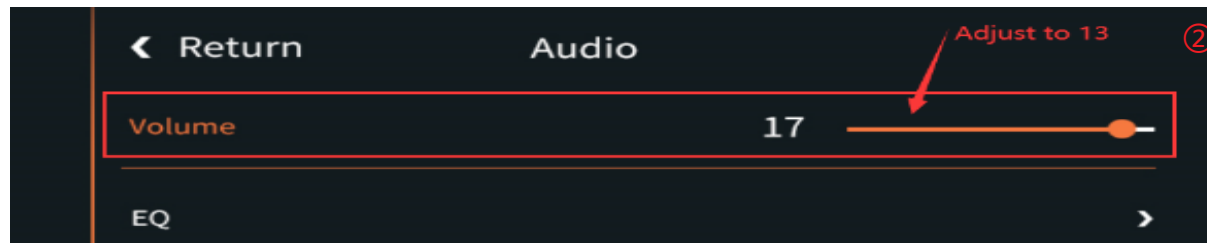
3) Turn the 'Microphone Volume' to 12

4) 'Microphone OP' tune from 0 until no echo is heard

5) Adjust 'AEC quality' to 2

6) If the caller hears the echo interval for a long time, fine-tune the 'Microphone delay

7) If the caller hears a small voice, you can fine-tune the 'Microphone Volume' and 'Microphone PGA'

5. Q: Solutions to not being able to connect with carplay？

A: can try to use the solutions below separately or together

1) Click on carplay bluetooth or wifi on the mobile phone

2) At the same time, clear the Bluetooth devices on the mobile phone and the car, and then pair and connect

3) Go to WirelessDev to reset the Bluetooth, and then pair and (Fig.1)
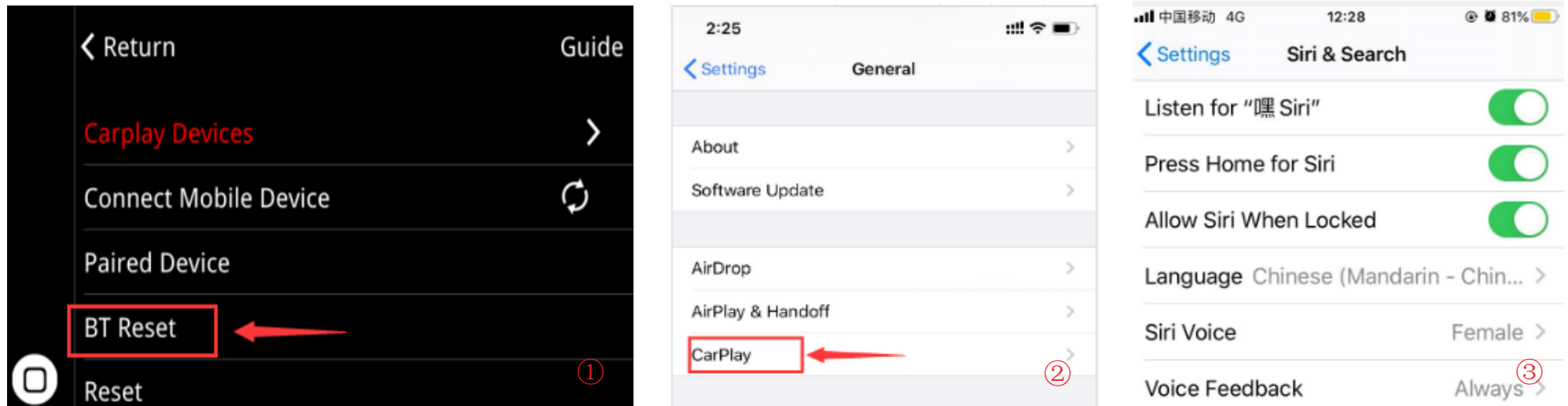
4) Restore the mobile network to the mobile phone

5) Check whether the carplay on the mobile phone is turned on (Fig.2)

6) Siri permissions are all turned on(Fig.3)

7) If necessary, check the antenna (whether it is broken, or attached to the metal, stay away from the box)

6. Q:can I connect wireless Android auto with my huawei mate 20?

   A:The following phone models support wireless Android auto

Phone Make and Model	Android Version
Pixel 3 or Pixel 3 XL	Android 8.0 or higher
Pixel 4 or Pixel 4 XL	Android 10.0 or higher
Samsung Galaxy S8 or S8+	Android 9.0 or higher
Samsung Galaxy S9 or S9+	Android 9.0 or higher
Samsung Galaxy S10 or S10+	Android 9.0 or higher
Samsung Note 8, Note 9 and Note 10	Android 9.0 or higher
Other Samsung models	Android 10.0 or higher

7. Q:I install the carplay, but the button on steering wheel can't work?

   A:1)Set the setting 'Enable wheel key' to ON(Fig.1)

   2) Short press the voice botton or long prss 5s the ok button on idrive
      knob to activate siri

8. Q:Siri function can not be used

   A: 1) Check whether has turned the siri access permissions on iphone,turn all the options on

   2) Turn the function of steering wheel on in carplay switch page setup

   3) If can activate the Siri but Siri cant receive the command，please check whether the mic

      works first，if no problem with mic, check the Bluetooth of iphone，disconnect it from
      original car bluetooth