User Manual

For CIC

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
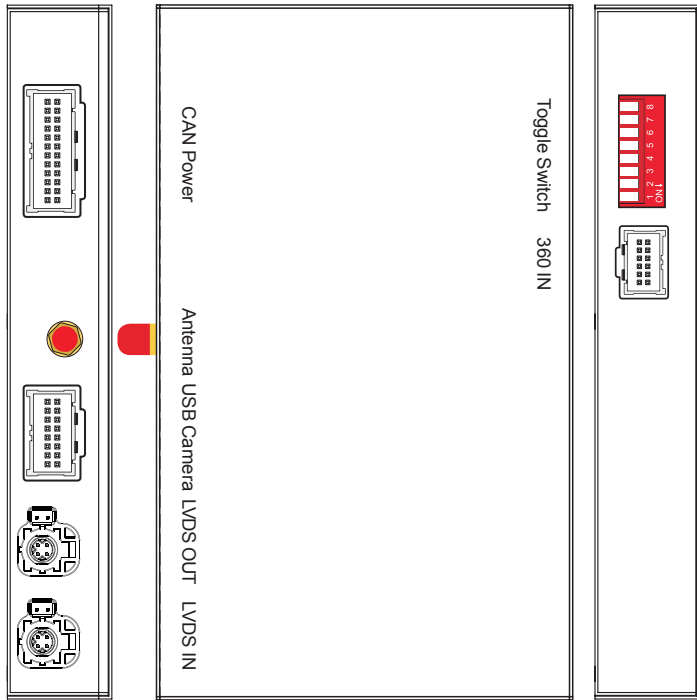
Panel description

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 USB to play audio file &video, support firmware upgrade

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

Accessories

LVDS OUT cable

LVDS-OUT-CIC

LVDS IN cable

LVDS-CIC-C19

WIFI antenna

AV/USB cable

AV-USB-GP68

CAN Cable

CAN-CIC-C19-V2

iDrive Cable

CIC-KT-V2

Microphone

MIC adapter cable

MIC-22C-DZ

Compatible car model

BMW-CIC Model configuration table-matching model system distinction diagram

SERIES	CAR MODEL	MANUFACURE YEAR	CAR SCREENSIZE	Toggle Switch
Main car models				
3series	E90/E91/E92/E93	09-12	6.5/8.8/10.25	
5series	E60/E61	08-09	8.8/10.25	
5GT	F10/F11/F07	09-12	8.8/10.25	
6series	F12/F13	09-12	10.25	
7series	F01/F02	09-12	10.25	
X1	E84	09-14	6.5/8.8/10.25	
X3	F25	11-13	8.8/10.25	
X5	E70	09-13	8.8/10.25	
X6	E71/E72	09-13	8.8/10.25	
Z4	E89	09-13	6.5/8.8/10.25	
MINI	R55/R56/R60	08-12	8.8	

Other car models

SERIES	MANUFACURE YEAR	CAR SCREENSIZE
1series	08-12	6.5/8.8
2series	08-12	6.5/8.8
4series	08-12	8.8
M3	08-12	8.8
M4	08-12	10.25
M5	08-12	10.25
X2	08-12	8.8
X4	08-12	8.8

OFF

ON
1 2 3 4 5 6 7 8
ON ↓

ON : ↓   OFF : ↑

6.5 inch: 00010000

8.8/10.25 inch: 00110000

CIC Host system
(2008-2013)

主菜单 17:43 ▲ .ıll⊕ 音频
CD/多媒体
收音机
电话
导航
地图
Connected Drive
车辆信息
设置

1.BMW CIC Select the box as transparent color

2.BMW CIC no connected to drive and mobile offices

BMW MINI CIC
(2008-2012)

Connection Diagram

Method 1:

Transfer idrive adapter cable and LVDS cable on head unit, A# connected with C#, D# with B#.(Default method1)

DIP code setting:

6.5 inch: 00010000

8.8/10.25 inch: 00110000

Method 2:

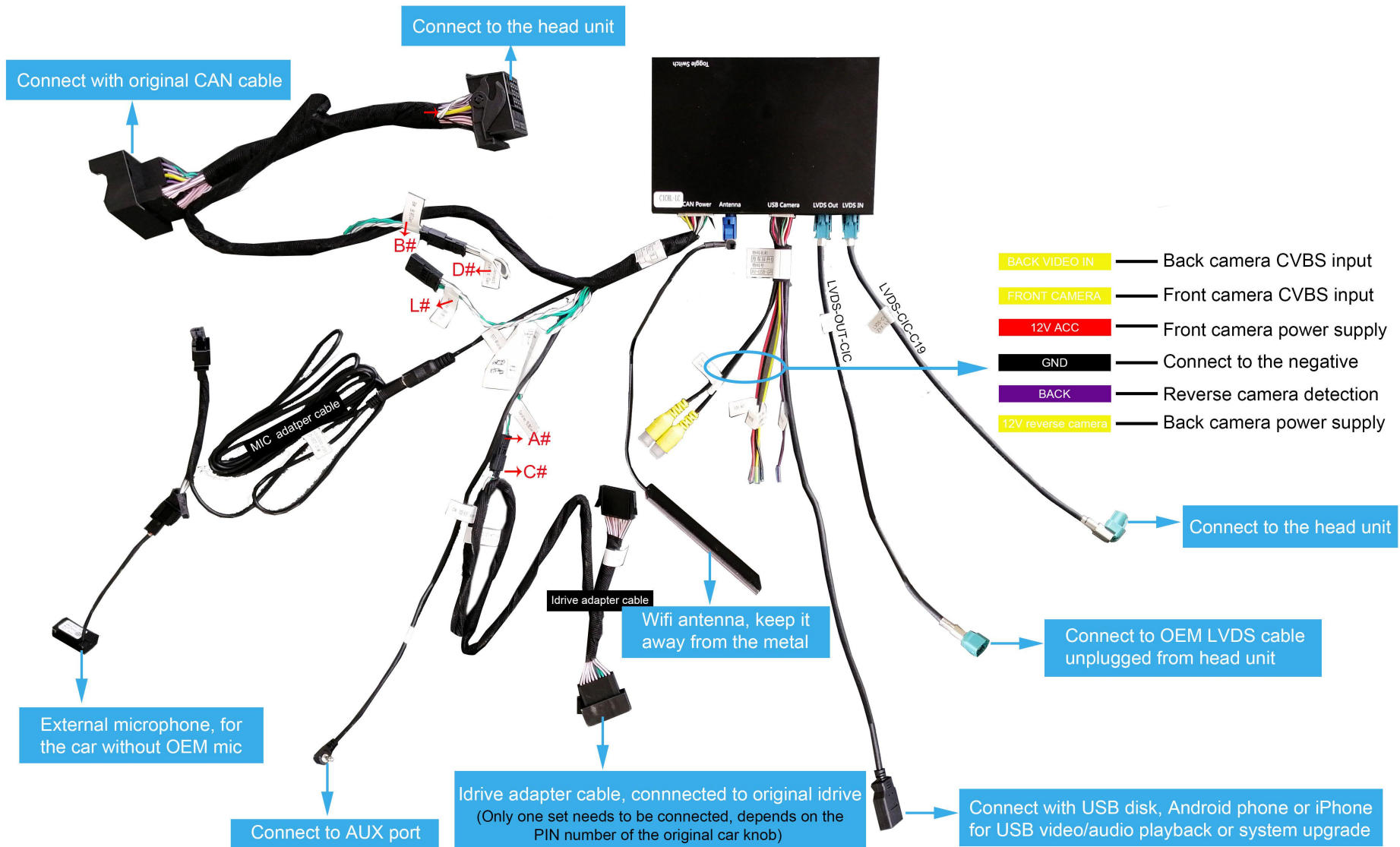Transfer LVDS cable on head unit, disconnect idrive cable, A# connect with B#.

DIP code setting:

6.5 inch: 00010000

8.8/10.25 inch: 00110000

Method 3:

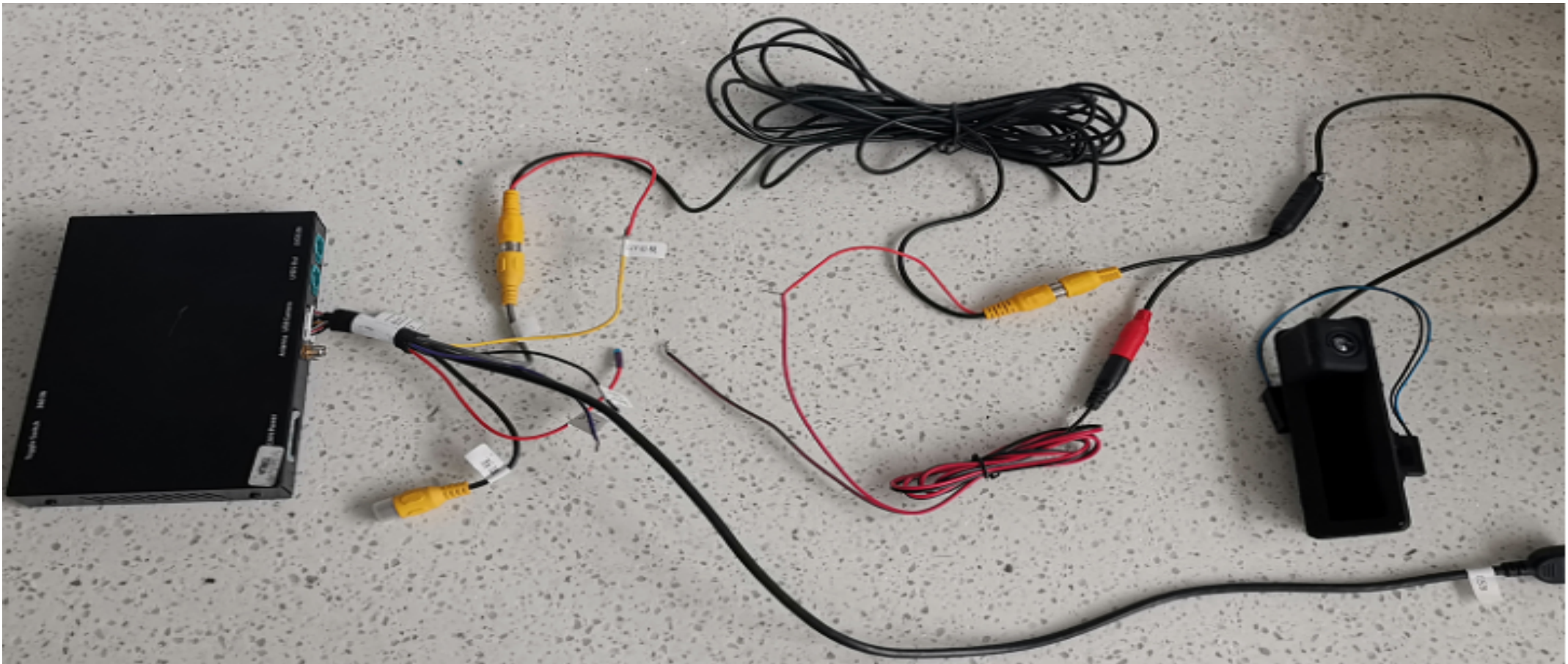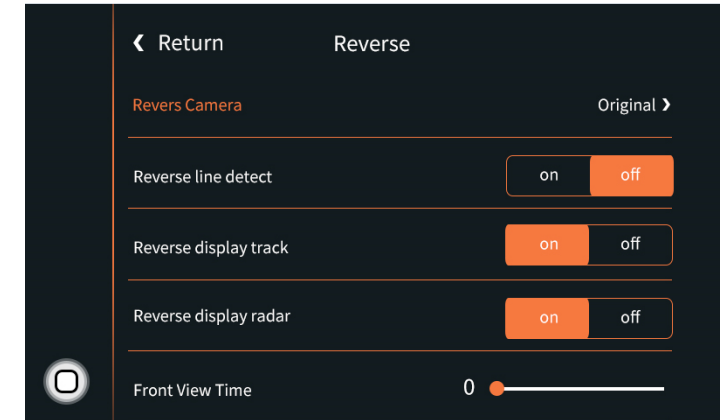Transfer idrive adapter cable and LVDS cable on head unit, L# connected with C#, D# with B#.

DIP code setting: 11100000

Connect to the head unit

Connect with original CAN cable

Toggle Switch

CTORL-LR   CAN Power   Antenna   USB Camera   LVDS Out LVDS IN

B#

D#

L#

MIC adatper cable

A#

C#

LVDS-OUT-CIC

LVDS-CIC-C19

BACK VIDEO IN	—— Back camera CVBS input
FRONT CAMERA	—— Front camera CVBS input
12V ACC	—— Front camera power supply
GND	—— Connect to the negative
BACK	—— Reverse camera detection
12V reverse camera	—— Back camera power supply

Connect to the head unit

Idrive adapter cable

Wifi antenna, keep it away from the metal

Connect to OEM LVDS cable unplugged from head unit

External microphone, for the car without OEM mic

Idrive adapter cable, connnected to original idrive
(Only one set needs to be connected, depends on the PIN number of the original car knob)

Connect to AUX port

Connect with USB disk, Android phone or iPhone for USB video/audio playback or system upgrade

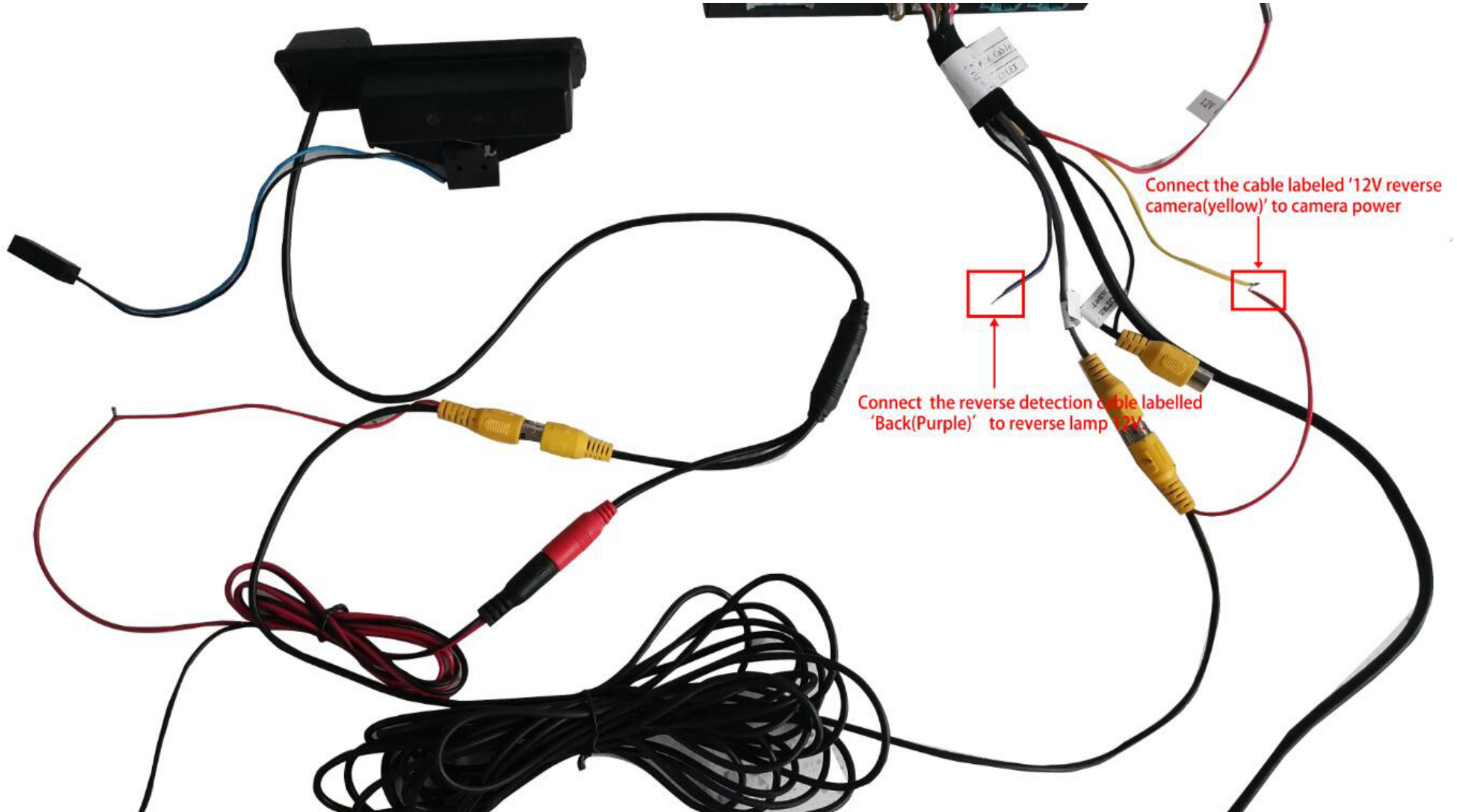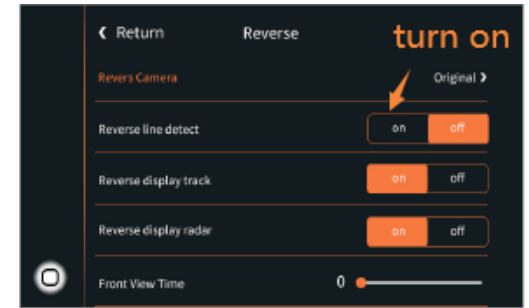# Reverse camera wirng connection and settings

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 → Aftermarke

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

Munal 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

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)
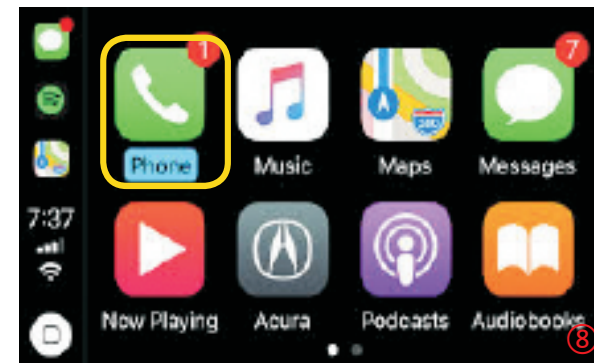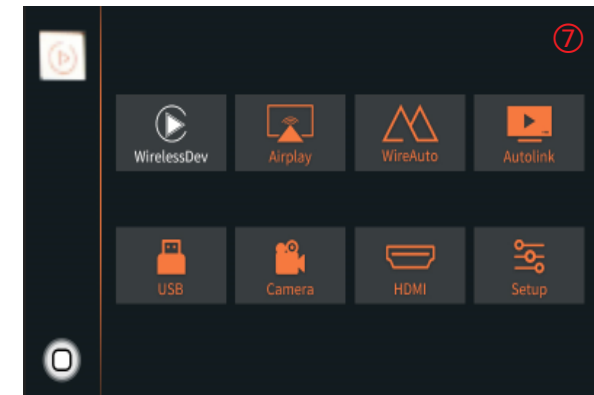
4. After the connection is successful, it will enter Carplay automatically(Fig.7/8)

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)
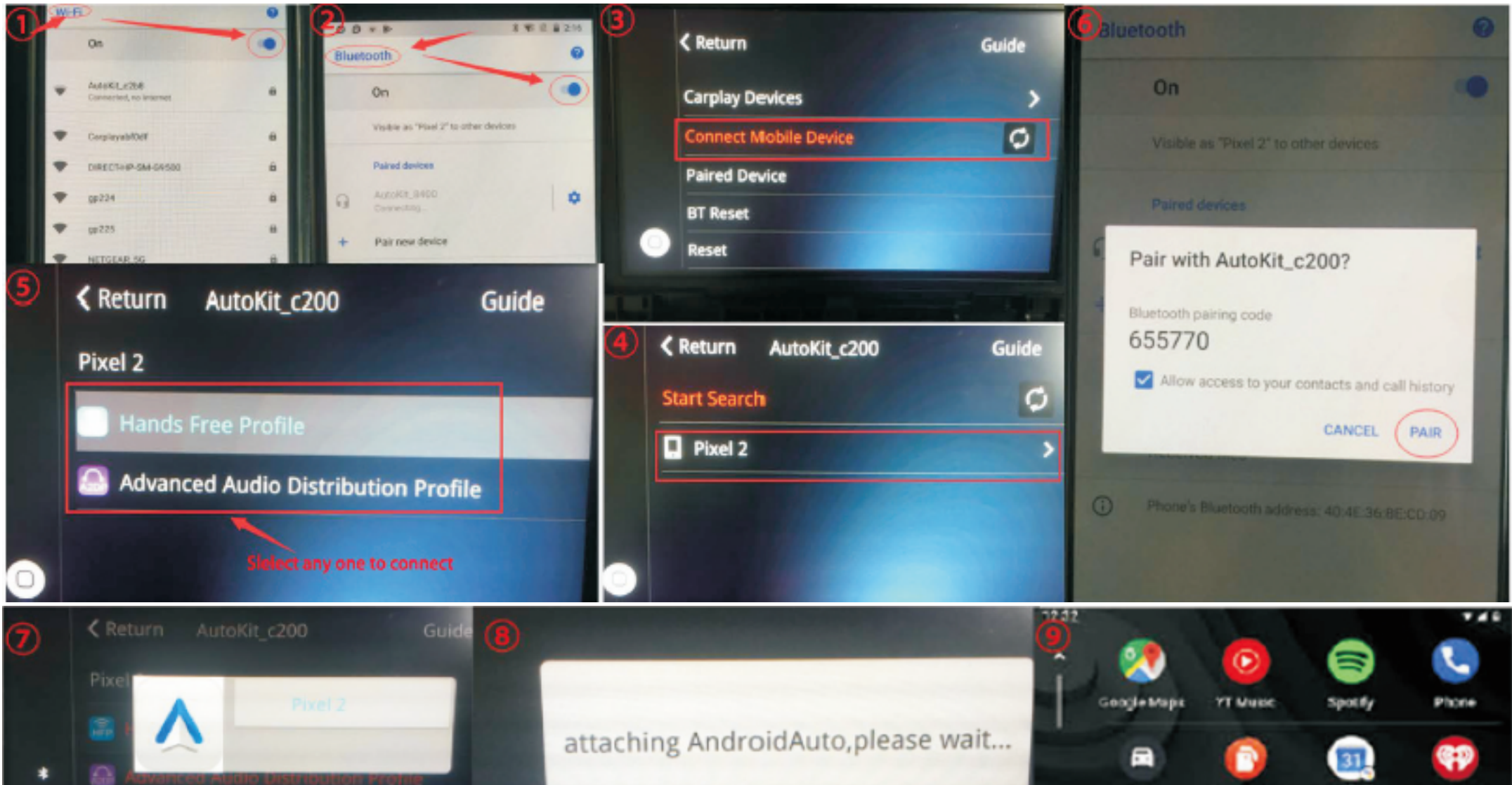
Wired Android auto connection

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).
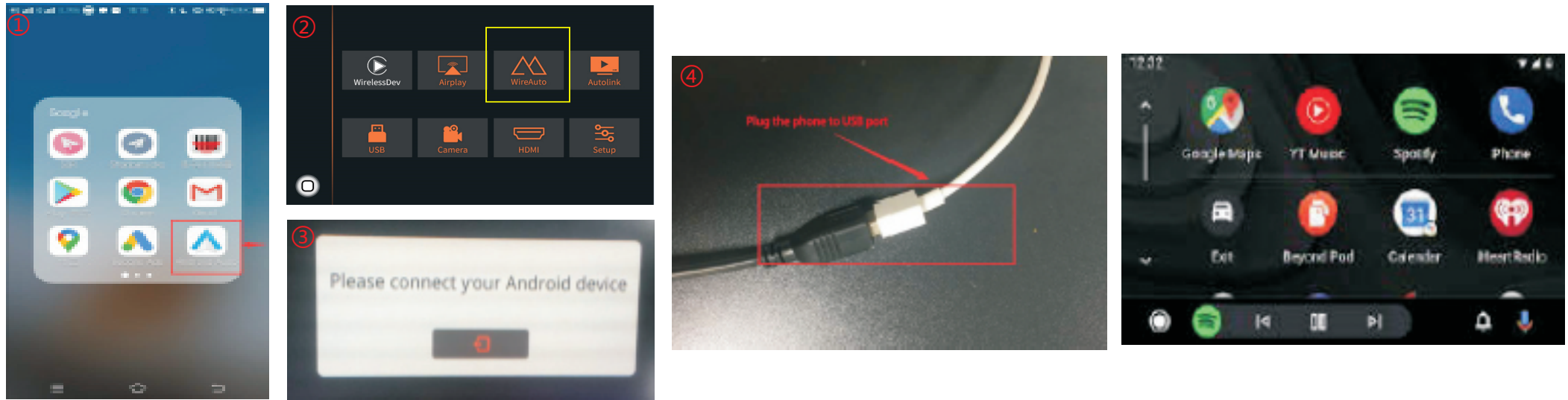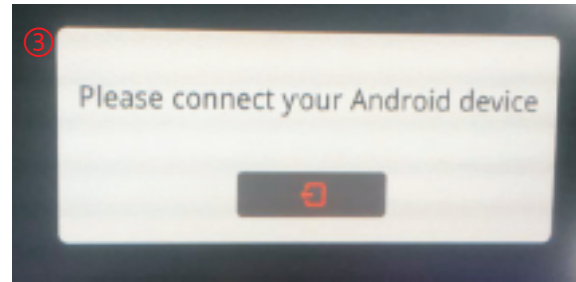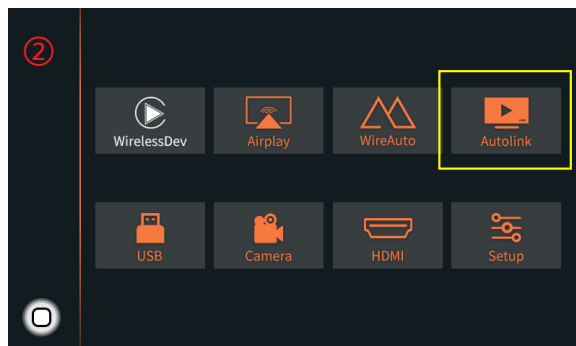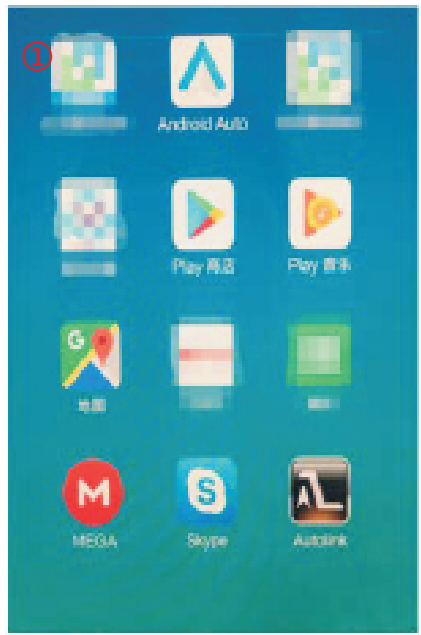

Wireless Airplay connection

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)

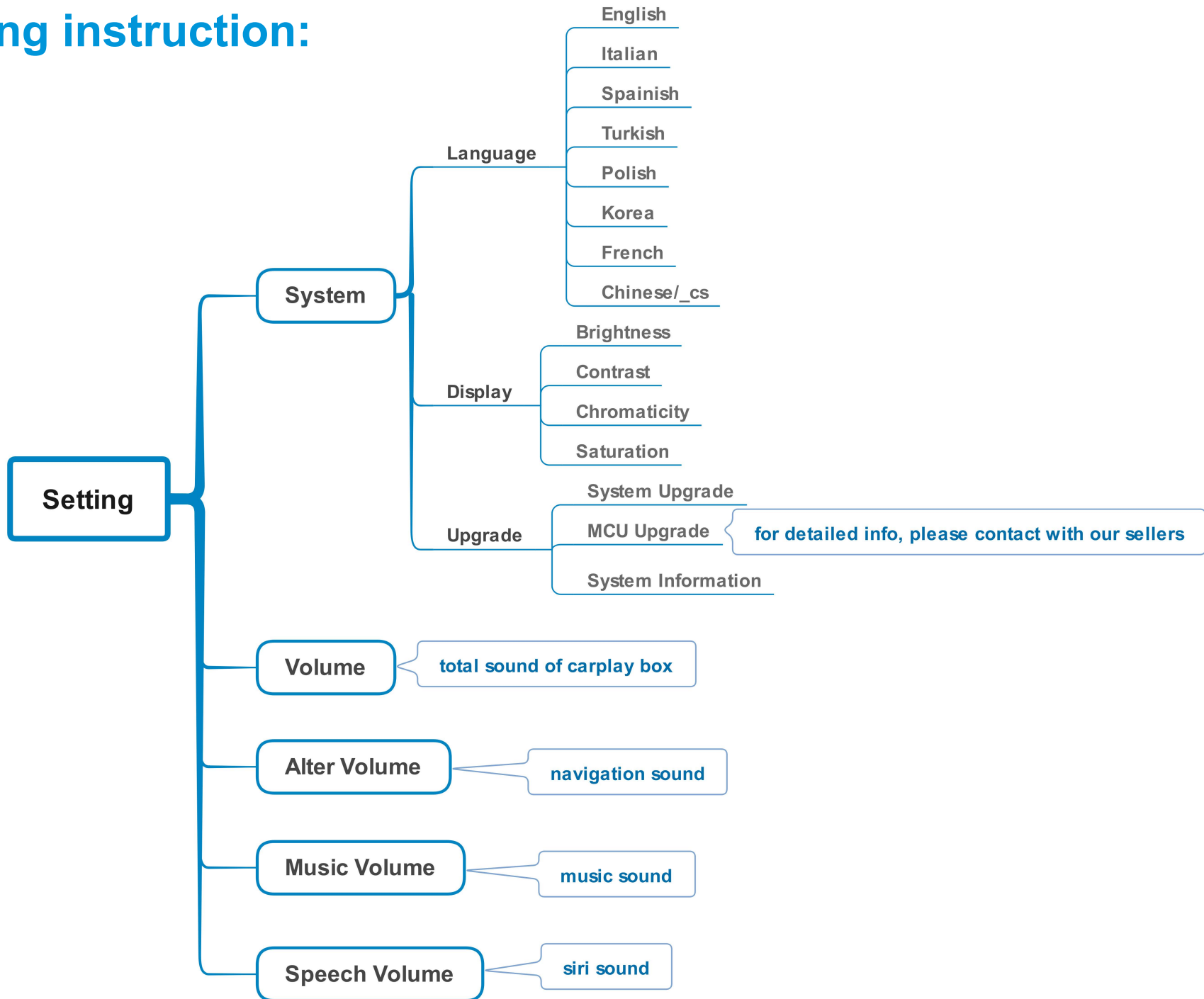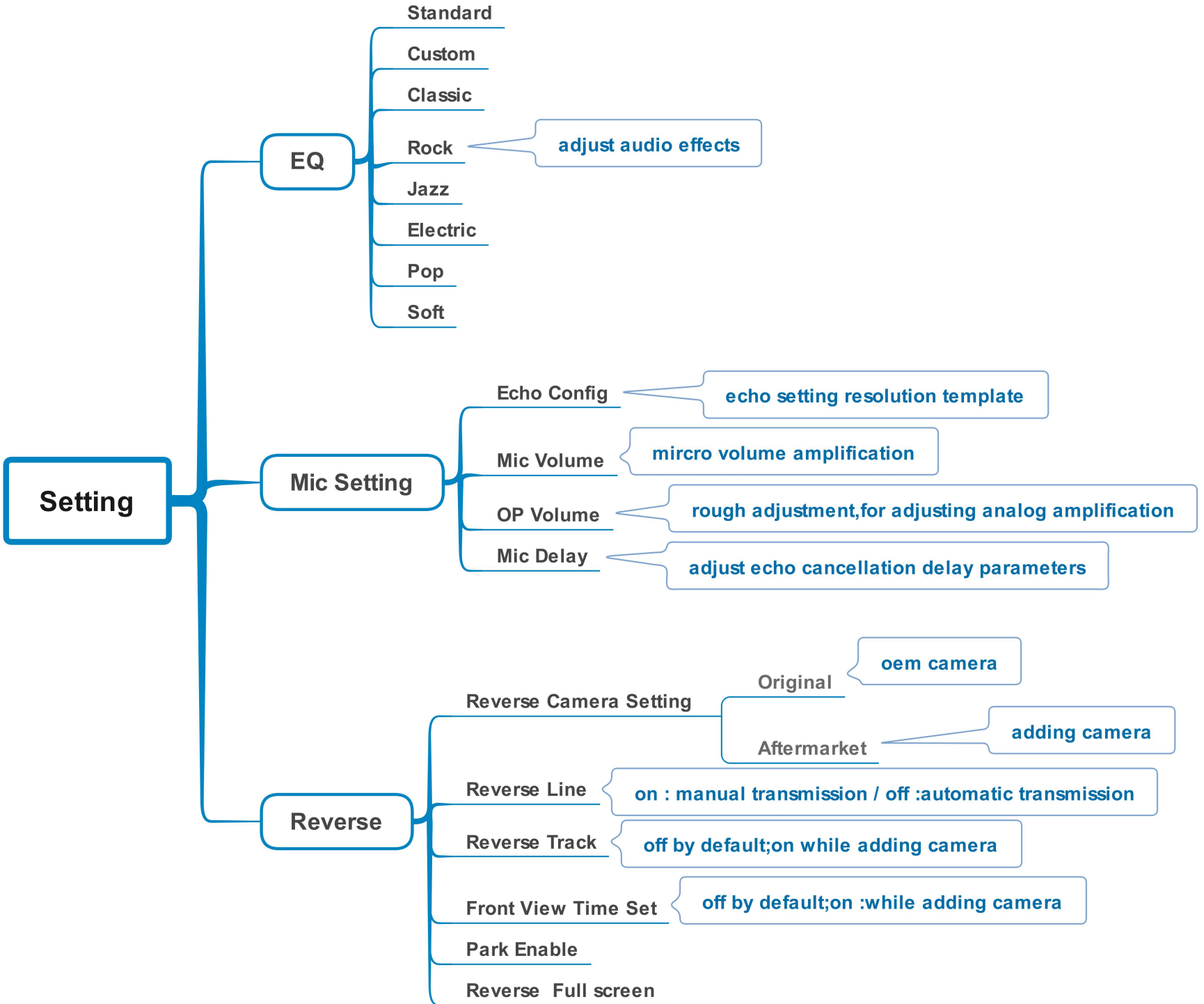**Note: If you have connected Carplay before, you need to disconnect Carplay first!**
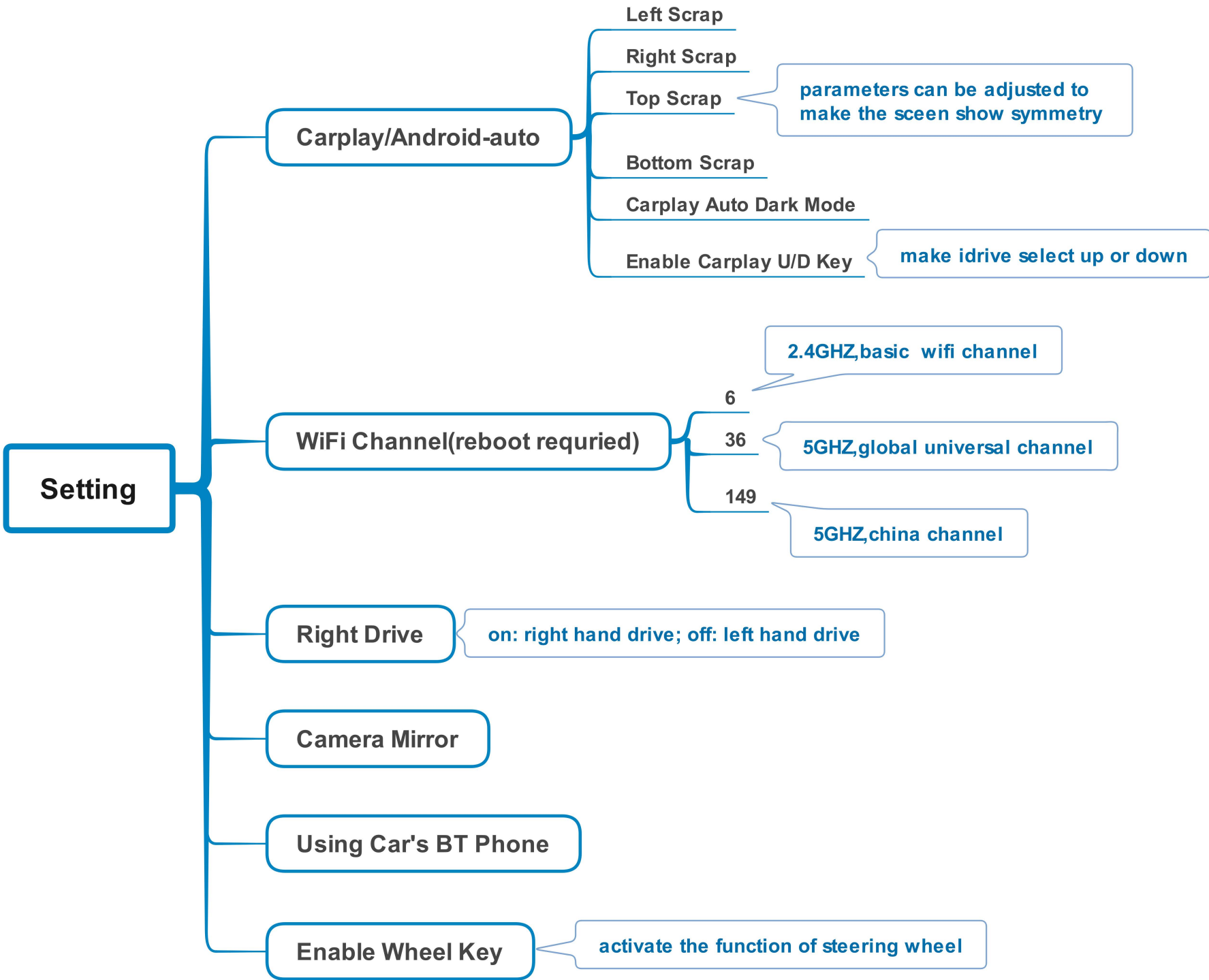
Wired Autolink connection

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).

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

Original buttons

BMW i-Drive Button

Steering Wheel Buttons

Button	Function	Operation	Remarks
① **MENU**	System switching	Long press the button for 3 seconds	OEM ⟷ CarPlay
② **Back**	Go back	Press the button short time	Apple Car Play Function 🍎
			Google Android Auto 🤖
	Restart	Press the button 5 seconds	You can use this function when you get in trouble
③ **Dial** ↕↔	Move the pointer Left or Right	Turn the dial Move Left or Right	Apple Car Play Function 🍎
			Google Android Auto 🤖
Dial ↔	Move the pointer Up or Down	Move the Dial Long time	Apple Car Play Function 🍎
			Google Android Auto 🤖
④	Ok key	Short puress to choose	Apple Car Play Function 🍎
		Press the button 5 seconds to activate siri	Google Android Auto 🤖
⑤	Volume adjustment	Press to increase/decrease the volume	Apple Car Play Function 🍎
			Google Android Auto 🤖
⑥ 🗣	"Siri" "Google Assistant"	Press the button 3 seconds	Apple Car Play Function 🍎
			Google Android Auto 🤖

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

①

Special tips:

(1)The original car's lvds cable should be connected to the lvds out cable labeled"LVDS-OUT- CIC" from out port of the carplay box and the screen port,lvds cable labeled"LVDS-CIC-C19"connected to in port of box.

(2)When connecting lvds cable, you need to align the position of the interface, otherwise a yellow screen will appear(Fig.1)
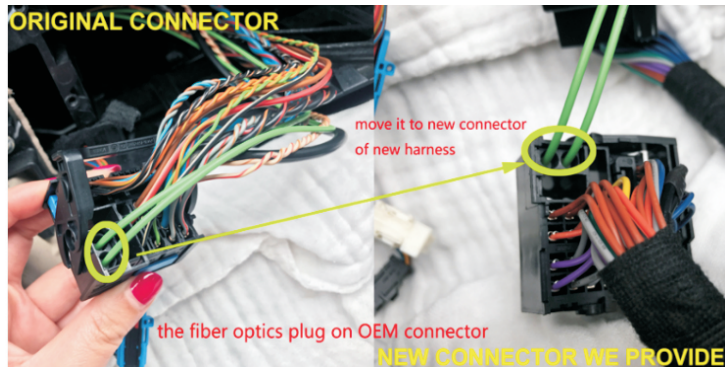
(3)If you cannot succeed by one of the three methods,try to use other method

(4)If you have checked that the cables are indeed connected correctly, you should consider whether it the lvds cable problem,please contact with the saler

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

   A: 1) Connect fiber cable
      2) Set AUX on OEM system，ensure that the Bluetooth signal connection between the mobile phone and the original car is disconnected.
      3) If there is no sound after step1/2, connect AUX cable to AUX port of armrest box

ORIGINAL CONNECTOR
move it to new connector of new harness
the fiber optics plug on OEM connector
NEW CONNECTOR WE PROVIDE

CD/Multimedia
Radio
BMW Services
Vehicle information
Settings

CD
✓ External devices
Tone

1 2
3 4

Not connected
✓ AUX front

AUX active
Volume

to AUX port

4. Q: My car has OEM microphone, but it can't work, what can I do?

   A: Please use the following cable to connect to OEM microphone.
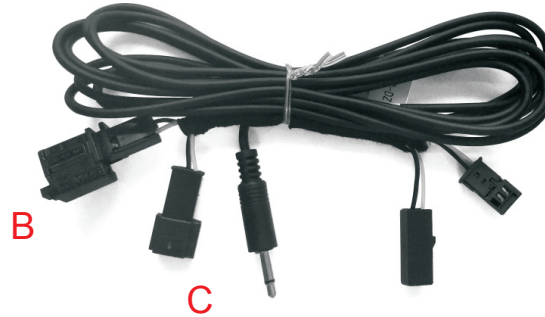   1) Connect A to C
      2) Unplug blue connectors and place mic tap cable in between the connector with microphone on it and the main wiring harness coming from the roof.(B/D need to be connected)

OEM MIC

A

B

C

D
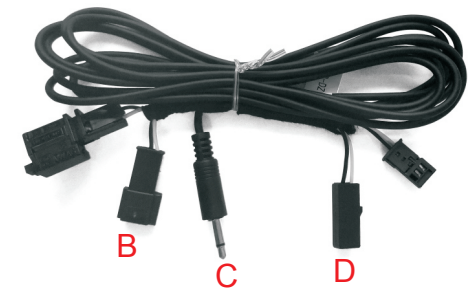
5. Q:I don't have OEM microphone, how to connect external microphone?

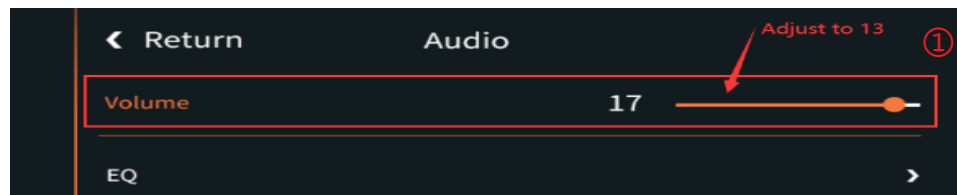   A: You can do as following solutions.

     1)Connect A with C, B with D.

     2) Set pin7 to ON, and restart

6. Q:When I call someone, he can hear himself, how to do?

   A:1) Adjust the volume of the original car to normal use

     2) Turn the volume in 'audio' setting to 13(Fig.1)

     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'

7. 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)
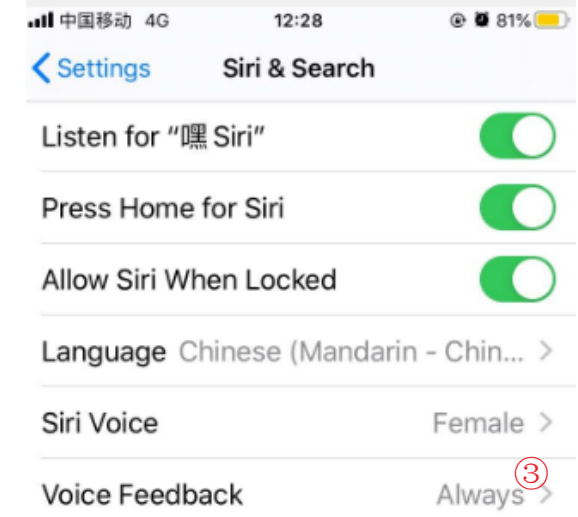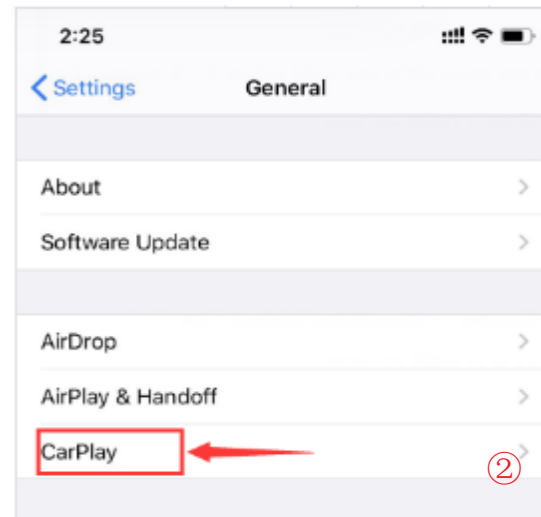
4) Restore the mobile network to the mobile phone

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)

8. 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

9. 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