User Manual

For **EVO**

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
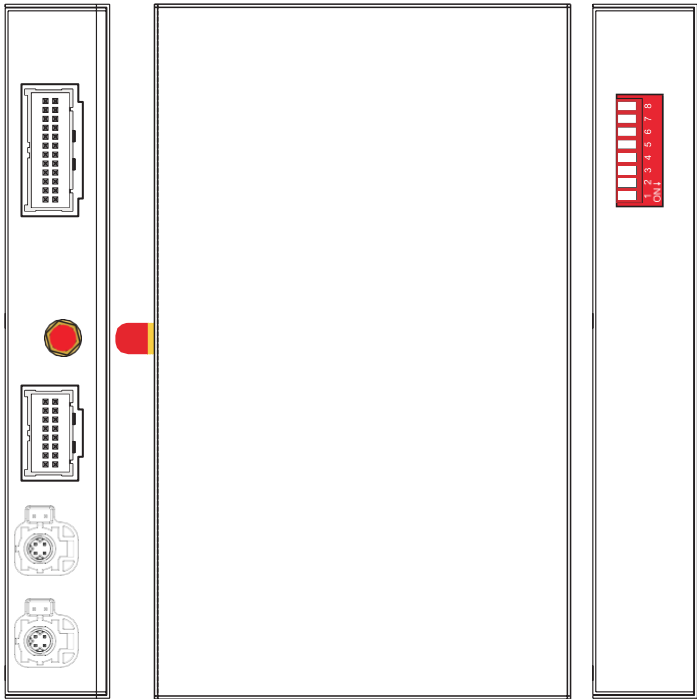
Panel description

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-GPBMW1901-NBT'
LVDS IN	Connect with OEM LVDS from the screen
Toggle switch	Refer DIP code setting to set for different screen size
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 cable
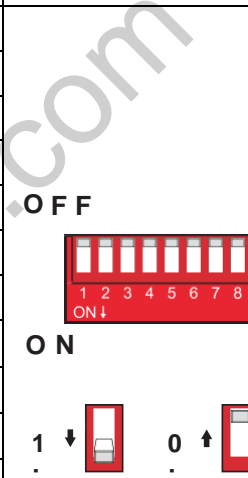
WIFI antenna

AV/USB cable

CAN power cable

(Note:This cable isn't for bmw i3/i8, longer for i3/i8)

MIC adapter cable

usb to AUX audio cable

Compatible car model

BMW-EVO Model configuration table-matching model system distinction diagram					
SERIES	**CAR MODEL**	**MANUFACURE YEAR**	**SYSTEM**	**CAR SCREENSIZE**	**Toggle Switch**
Main car models					
1series	F20,F21	16-20	EVO(ID5\ID6)	6.5/8.8	
2series	F22	16-20	EVO(ID5\ID6)	6.5/8.8	
3series	F30/F31/F34	17-20	EVO(ID5\ID6)	6.5/8.8/10.25	
4series	F32/F33/F36	16-20	EVO(ID5\ID6)	8.8	
5series	F10/F11/F07	17-20	EVO(ID5\ID6)	8.8/10.25	
6series	F12/F13	17-20	EVO(ID5\ID6)	10.25	
7series	F01/F02	16-20	EVO(ID5\ID6)	10.25	
X3	F25	18-20	EVO(ID5\ID6)	8.8/10.25	
X4	F26	16-19	EVO(ID5\ID6)	10.25	
X5	F15	17-20	EVO(ID5\ID6)	8.8/10.25	
X6	F16	17-20	EVO(ID5\ID6)	8.8/10.25	
MINI	F56	18-20	EVO(MINI)	8.8	
Other car models					
SERIES	**MANUFACURE YEAR**		**SYSTEM**	**CAR SCREENSIZE**	
M3	16-20		EVO(ID5\ID6)	8.8	
M4	17-19		EVO(ID5\ID6)	10.25	
M5	18-19		EVO(ID5\ID6)	10.25	
X1	18-20		EVO(ID5\ID6)	6.5/8.8	
X2	18-20		EVO(ID5\ID6)	8.8	
new energy5	18-20		EVO(ID5\ID6)	8.8/10.25	
Z4	17		EVO(ID5\ID6)	8.8	
i3	18-20		EVO(ID5\ID6)	10.25	
i8	18-20		EVO(ID5\ID6)	10.25	

Toggle Switch

O F F

1 2 3 4 5 6 7 8
ON ↓

O N

1 ↓   0 ↑
:   :

6.5 inch:

11000000

8.8/10.25 inch:

11100000

ID 5

ID 6

EVO MINI

Connection Diagram

Mic adapter cable, for conencting with OEM mic when OEM mic can't work or connecting with external mic when the car without mic

Connect to AUX port

Connect with the OEM lVDS port unplugged from the screen

Connect to the screen

MIC cable (Optional)

Provided LVDS cable

Reverse camera CVBS input

Front camera CVBS input

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

WIFI antenna, Place it away from the metal place

USB port, for audio and video playback or system upgrade

support@car-solutions.com

car-solutions.com

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	

support@car-solutions.com

car-solutions.com
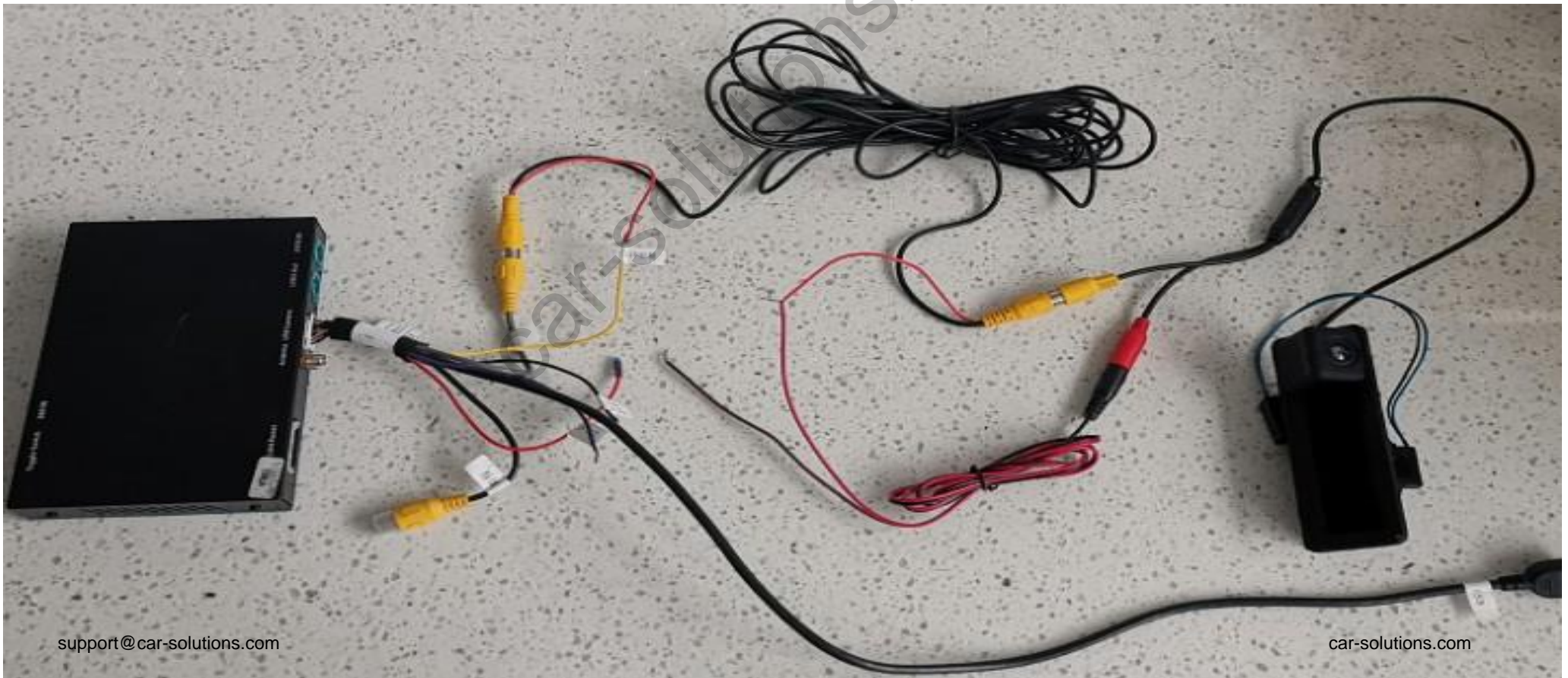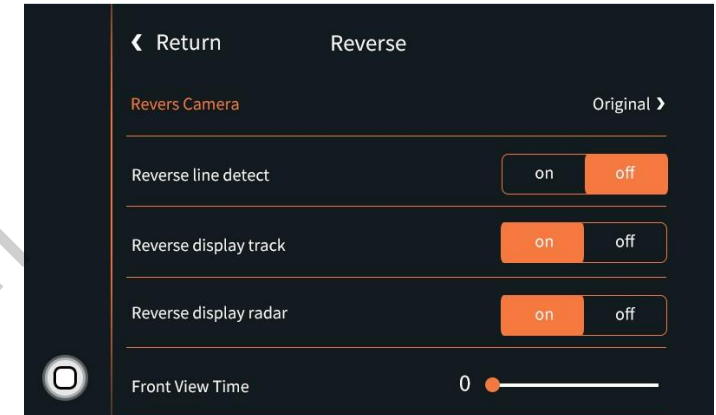
Munal transmission

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

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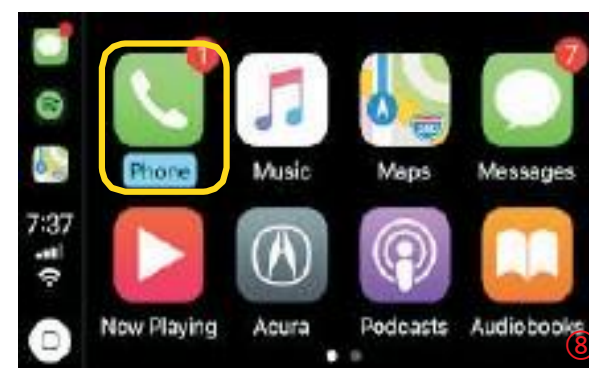
4. After the connection is successful, it will enter Carplay automatically(Fig.7/8)

Wireless Android auto connection

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)
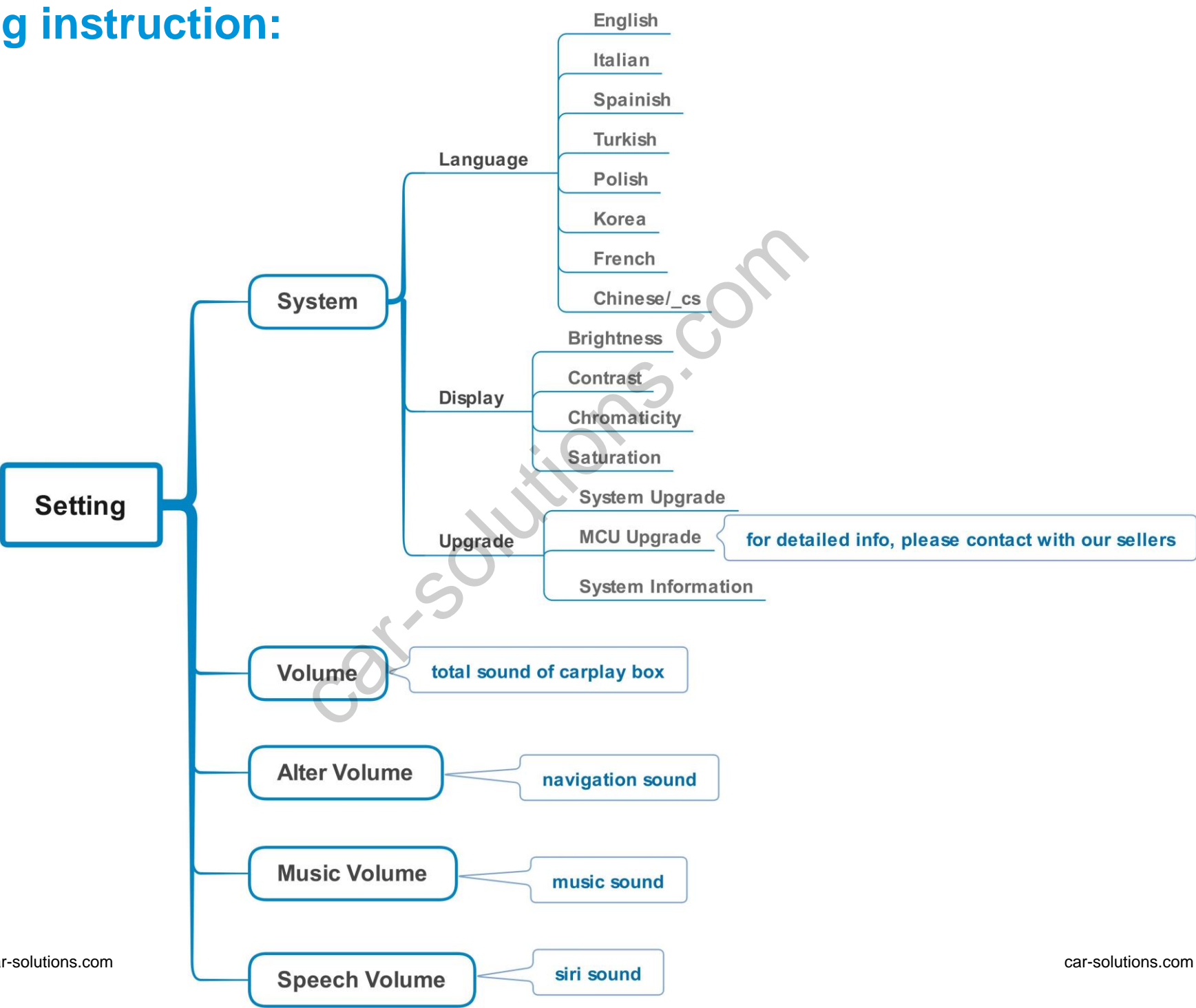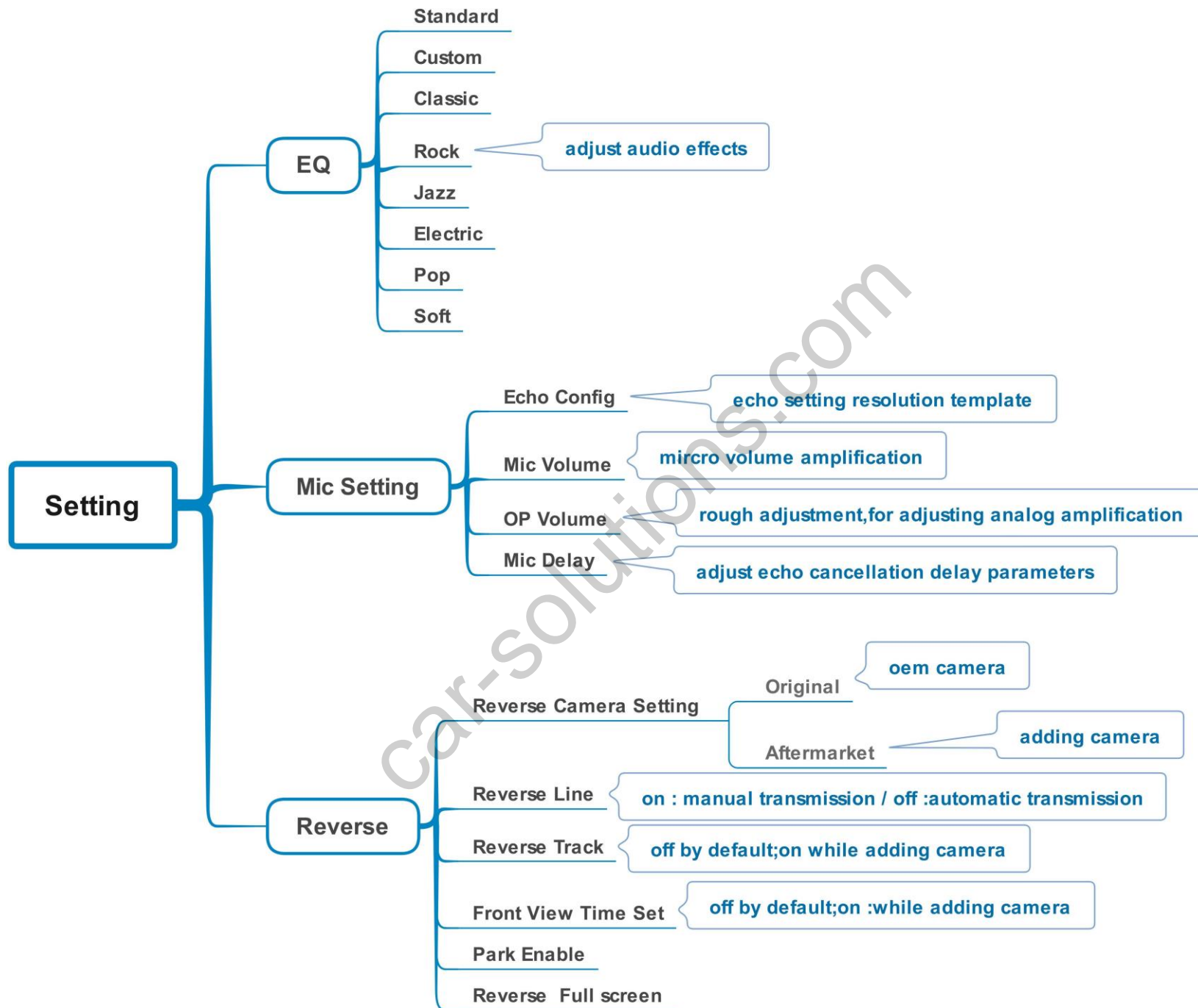

support@car-solutions.com
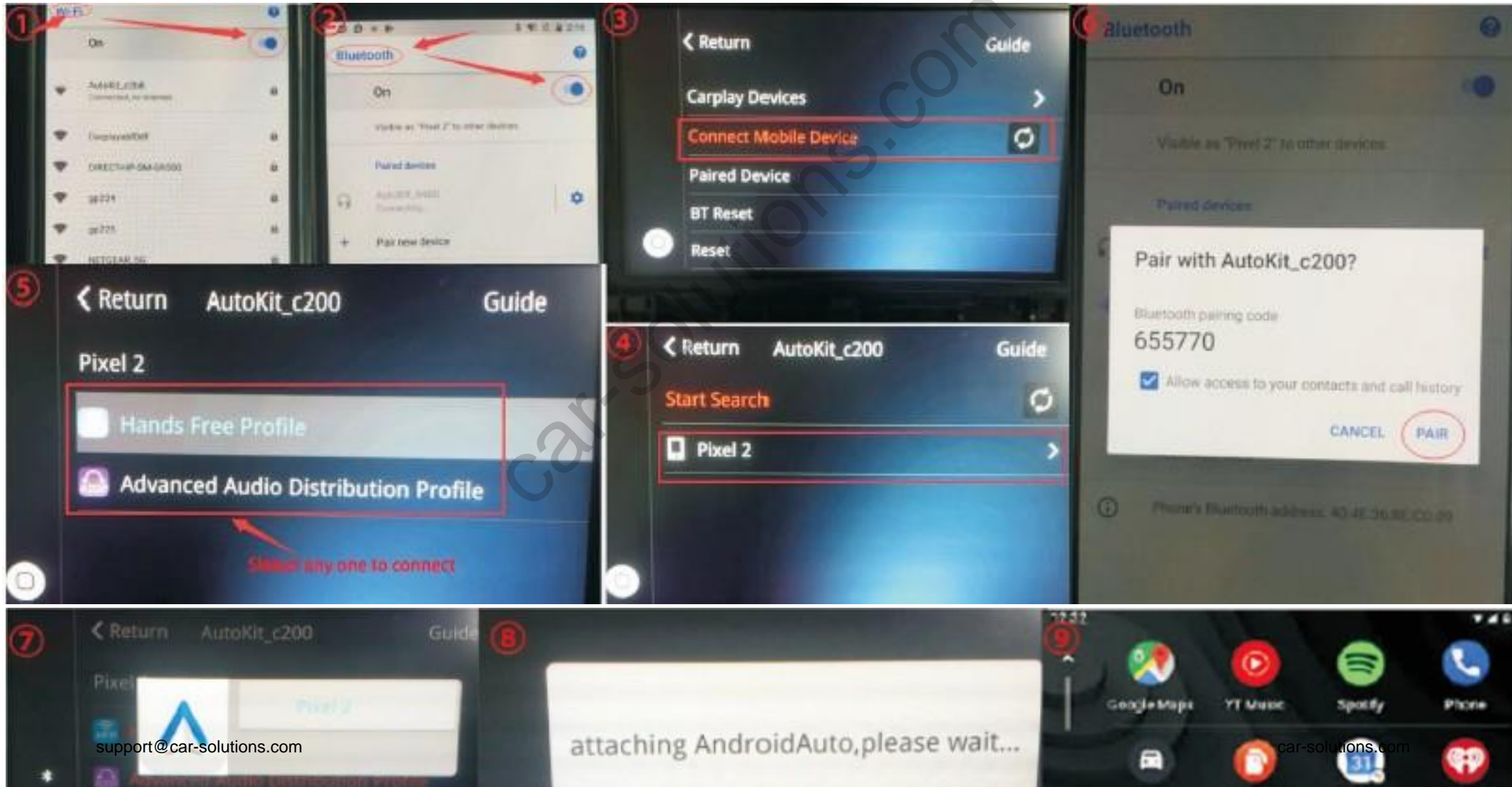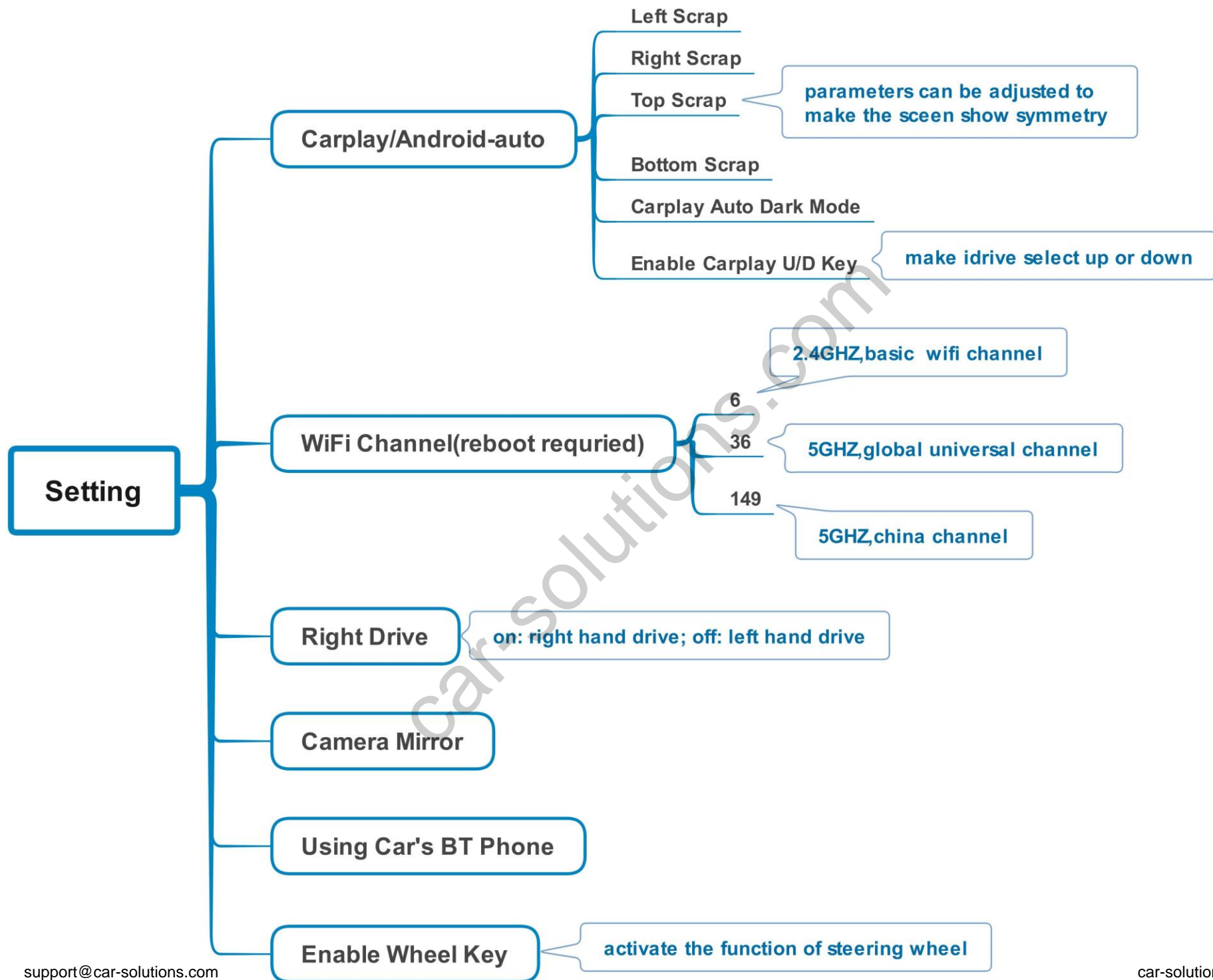
Wired Android auto connection

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!

请先连接WIFI，连上后再开始投屏
账号：Carplaya8a149
密码：88888888

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
support@car-solutions.com

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 🤖	

car-solutions.com

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,black 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) 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

support@car-solutions.com

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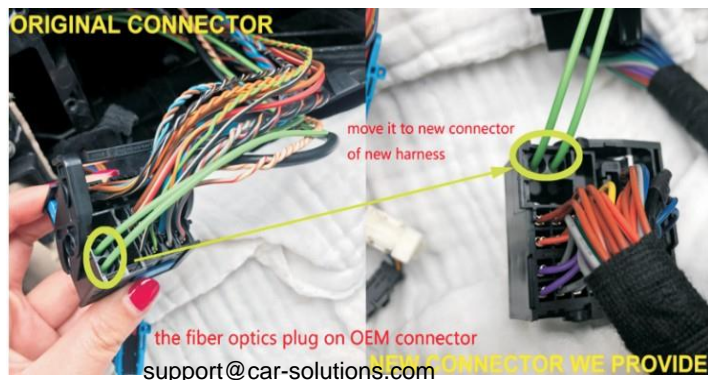
4. Q: My car has OEM microphone, but it can't work, what can I do?

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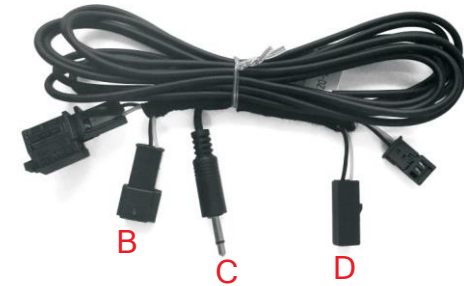
5. Q: I don't have OEM microphone, how to connect external microphone?

   A: You can do as following solutions.

   1) Connect A with C, B with D.

   2) Set pin7 to ON, and restart

A

B

C

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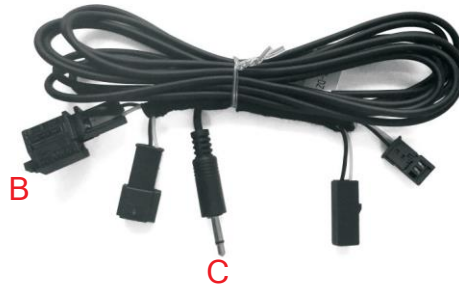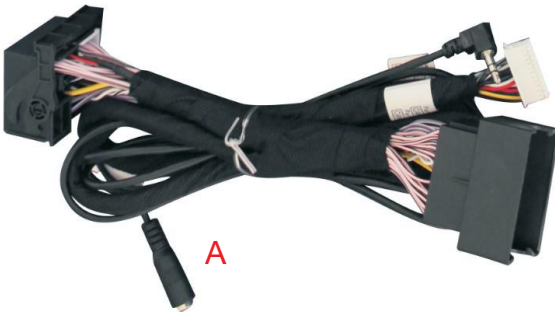
6.Q: Solutions to not being able to connect with carplay？

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)
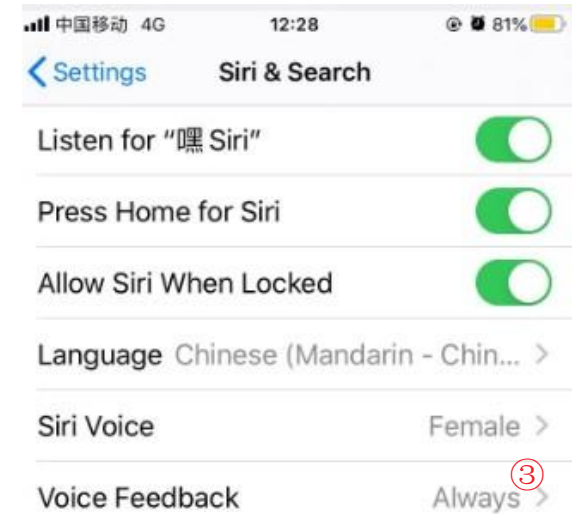
4) Restore the mobile network to the mobile phone

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)

7. 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)
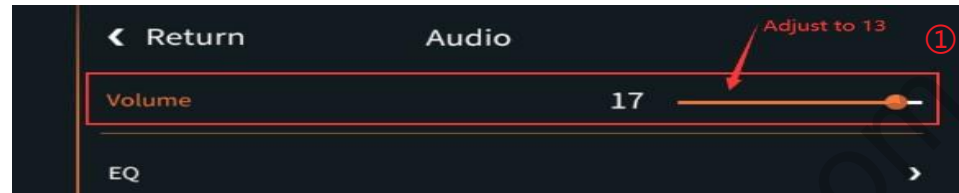
3) Turn the 'Microphone Volume' to 12

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'

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
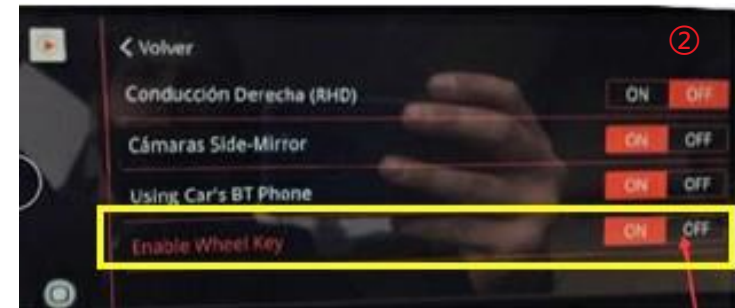
9. Q: Siri function can not be used

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