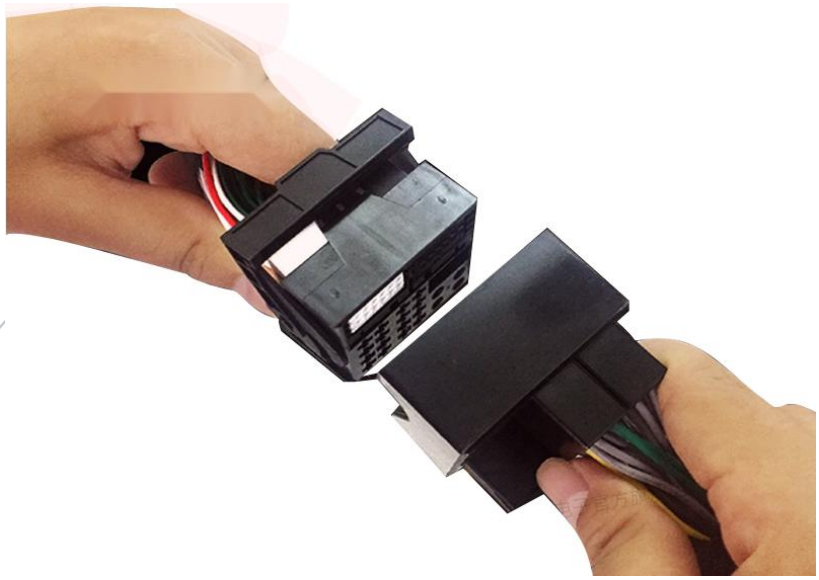
Road Top

For NTG5.0 A & B CLA GLA Class

Cable Connection



Road Top Co., Ltd

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1. Toggle Switch Setup

1.1 Tips

1. If it doesn't work by the dial setup 1, please switch to dial setup 2.
2. Each time when change the toggle switch setup, you need to restart the car engine.

Car Model	7 inch screen
A-Class W176 CLA GLA Class&B-Class	
GLE GLS-Class	
E-Class	
G-Class	

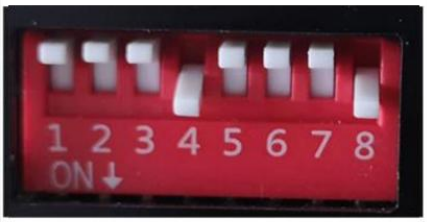
1.2 Where to find the toggle（DIP）switches?



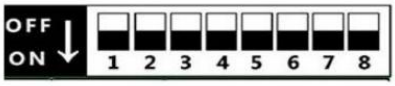
1.3 Set the toggle switch

for 7 inch screen

dial setup 1



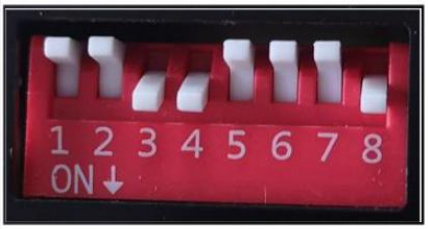
Smart Link System



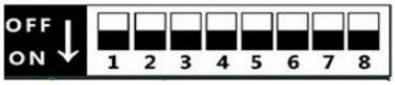
	1	2	3	4	5	6	7	8
Off	✓	✓	✓		✓	✓	✓	
On				✓				✓

Tip: when change the toggle switch setup, you need to restart the car engine

dial setup 2



Smart Link System



	1	2	3	4	5	6	7	8
Off	✓	✓			✓	✓	✓	
On			✓	✓				✓

Tip: when change the toggle switch setup, you need to restart the car engine

1.4 Toggle switch setup incorrectly will result in a black screen, flash screen, half-screen, etc.

Please contact us for the correct toggle switch setup code if you meet problems as in the follow chart.

Black screen when switch to CarPlay function	Flash screen in OEM function
	
Half-screen when switch to CarPlay function	Half-screen when switch to CarPlay function
	
Dashbaord alarm	
	

2. Dashboard Removal

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

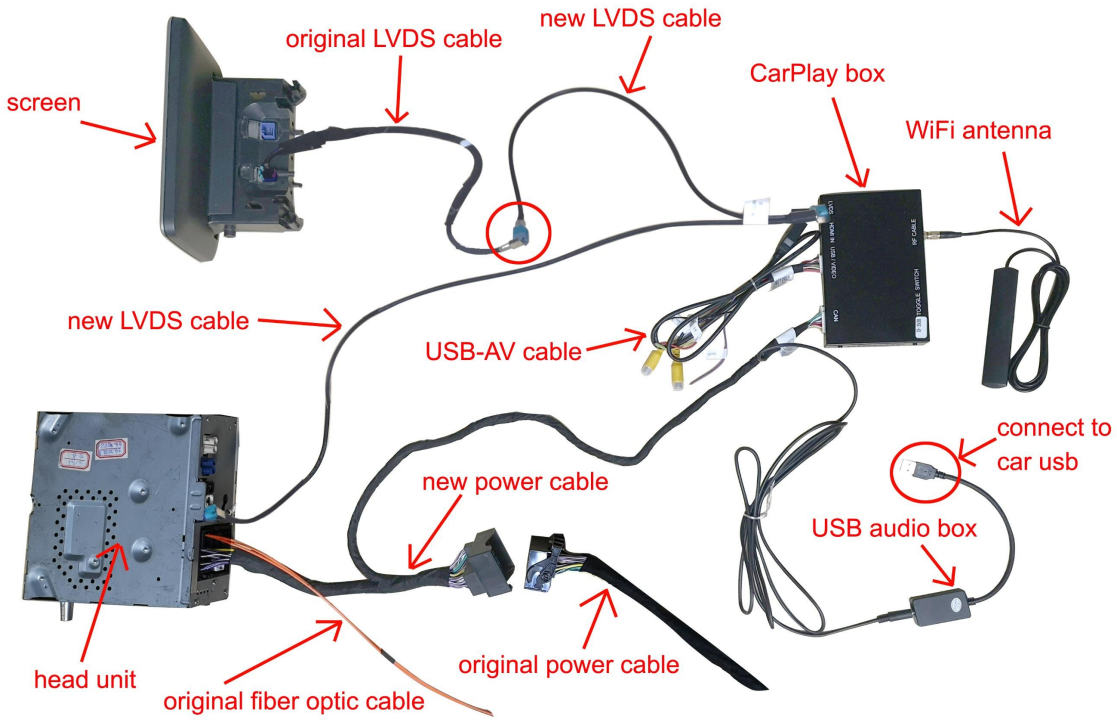
A-Class CLA GLA	B-Class	E-Class
		

3. Kit Contents

3.1 Cables and accessories

 CarPlay decoder box	 Power cable harness	 USB audio cable
 LVDS cable	 WiFi antenna	 USB-AV cable

3.2 Cable connection chart



Please follow the connection chart accurately (detailed instructions below).

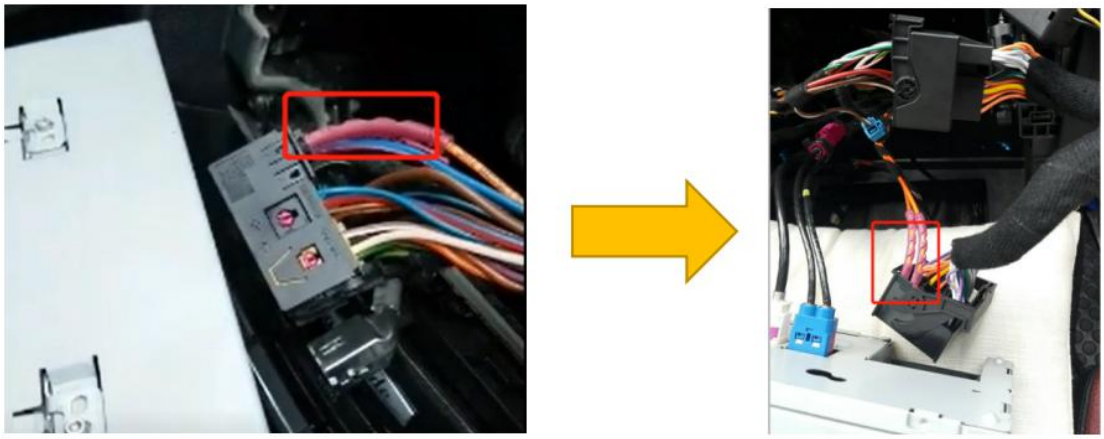
After the cables are all connected, you will be able to switch between the original Mercedes and the CarPlay interfaces by long pressing the " ★ " button on the car's center console handwriting mouse.



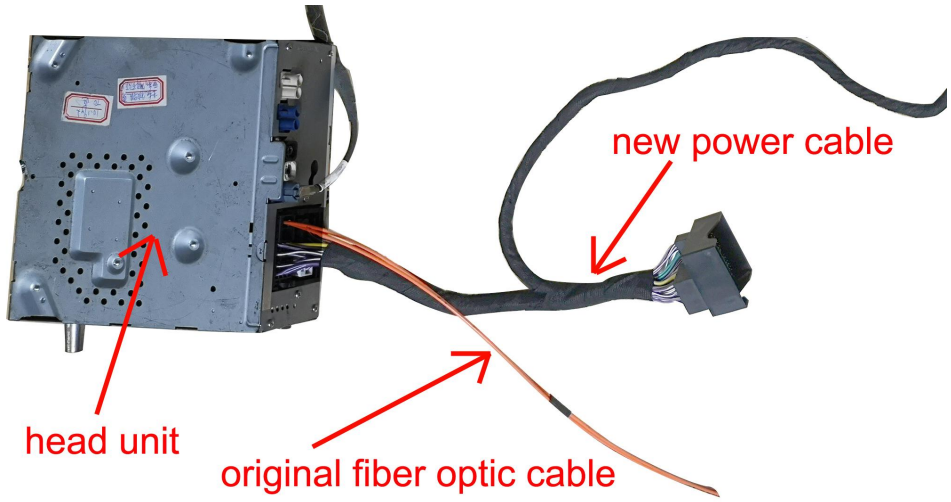
3.3 Power cable connection

1) Unplug the OEM original power cable from the head unit and reconnect it to the new cable harness. Then plug the new cable into the head unit.

2) If your car has fiber optic cable, you need to move the original fiber optic cable from OEM power cable to the new power cable harness.



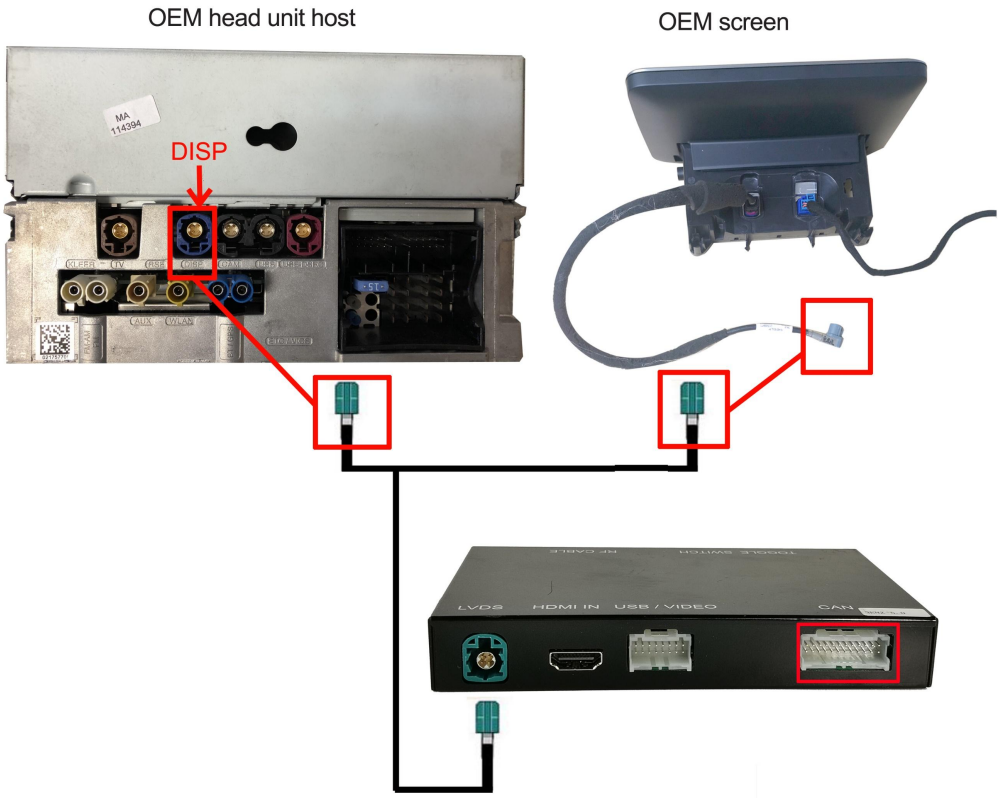
Please remove your original car's fiber optic to our power cable as the picture shown.



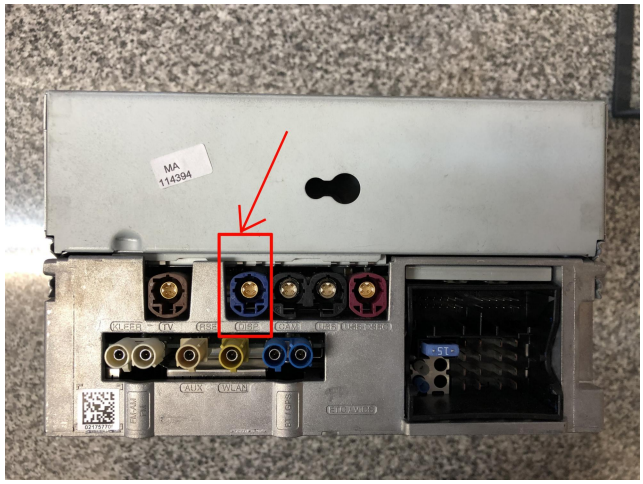
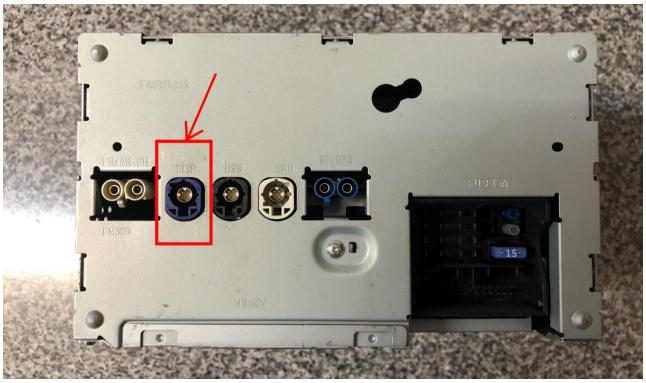
3.4 LVDS cable connection

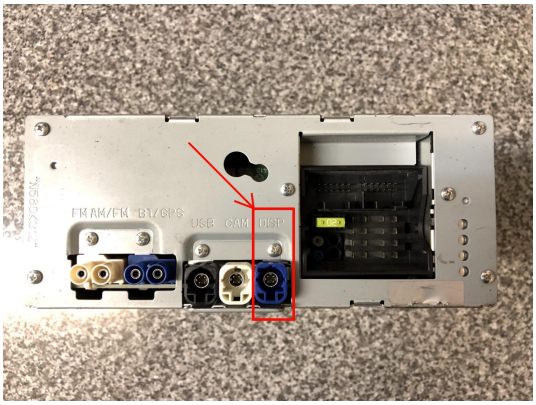
1) New LVDS cable 1 goes to the “DISP” (LVDS) port of OEM the head unit.
2) New LVDS cable 2 goes to the original LVDS cable.

Note: Connecting the LVDS cables incorrectly will result in a black screen!

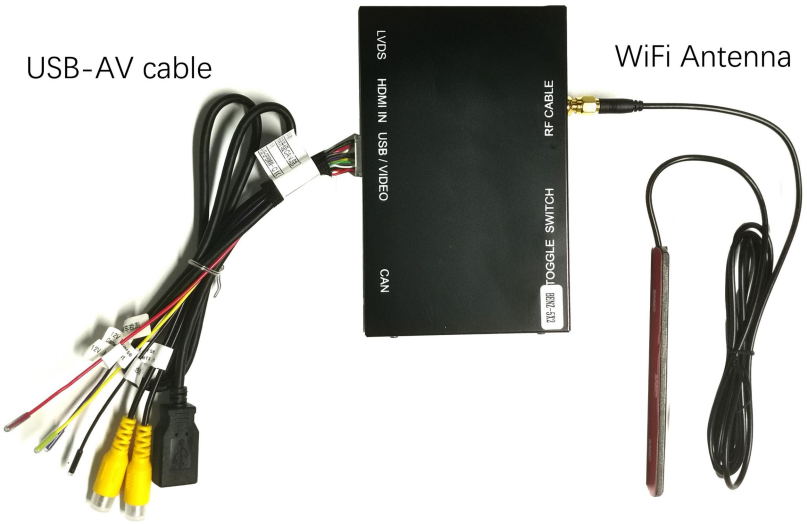


3) where to find the “DISP” port in the different OEM head unit?
“DISP” port , also name the LVDS port, is a port in blue color, behind the head unit.

Comand (made by Harman)	Audio 20 (made by Panasonic)
	

	Audio 20 (made by Mitsubishi)
	

3.5 WiFi antenna and USB-AV cable connection



Note: To avoid losing the WiFi signal, make sure the antenna is not placed close to metal objects.

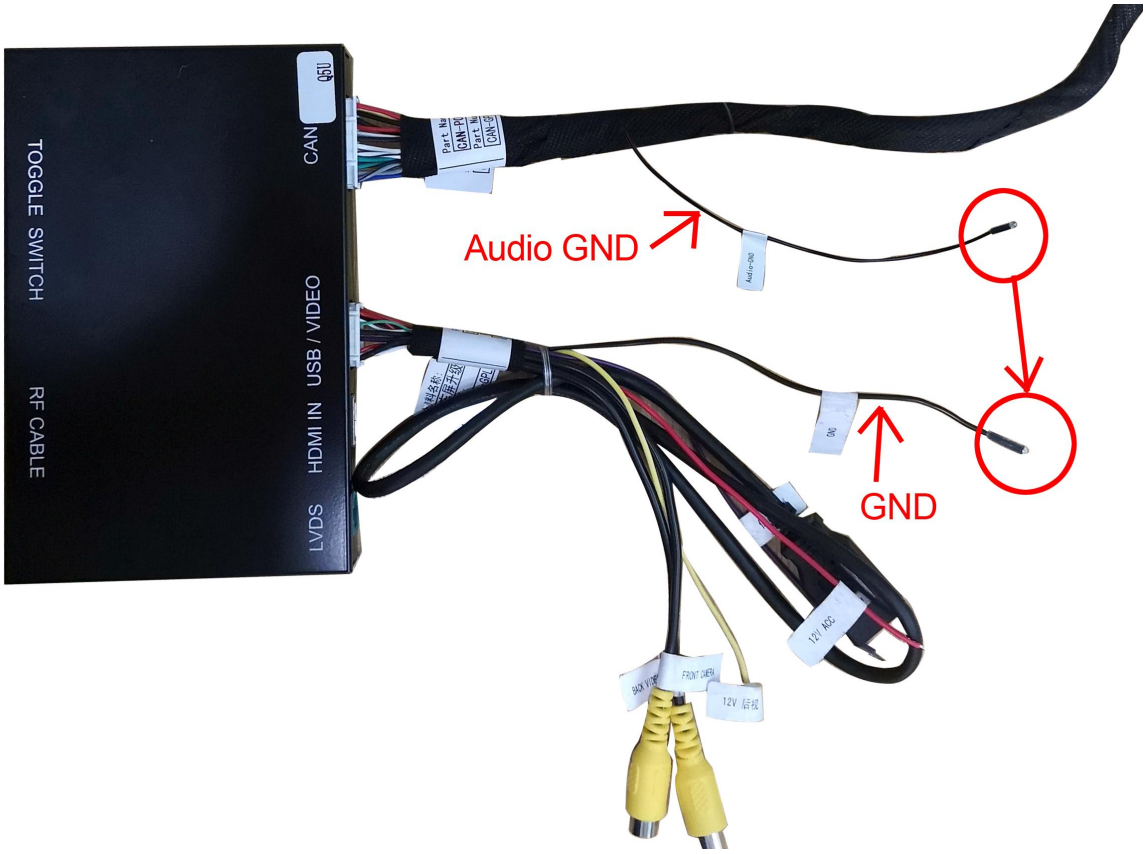
	

3.6 Audio GND cable connection

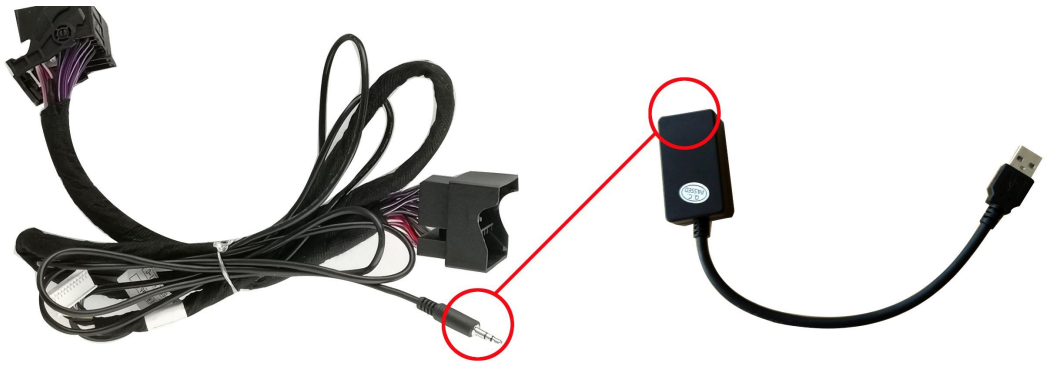
In the power cable harness, there is a wire with label “Audio GND”.

There is no need to connect the “Audio GND” cable, unless the sound of the CarPlay is distorted or with noise or the sound can’t work.

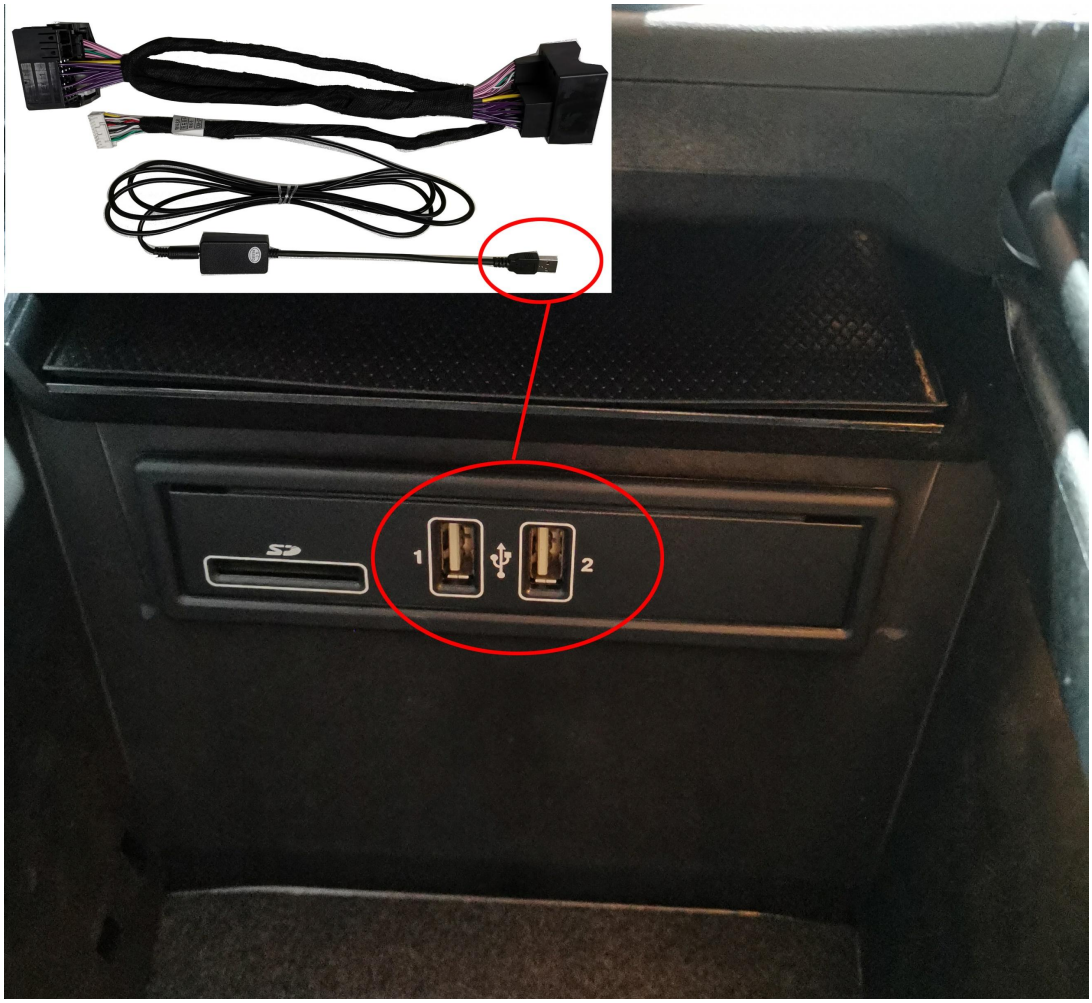
If you have problem about the sound of the CarPlay, like without sound, noise, distorted sound, etc., please connect the “Audio GND” cable of the power cable, to the “GND” cable of the AV-USB cable.



3.7 USB Audio cable connection



USB audio cable will be connected to the car's USB port in the center console box, so that the sound from the CarPlay function will work via the car's USB function.



3.8 Where to put the CarPlay box?

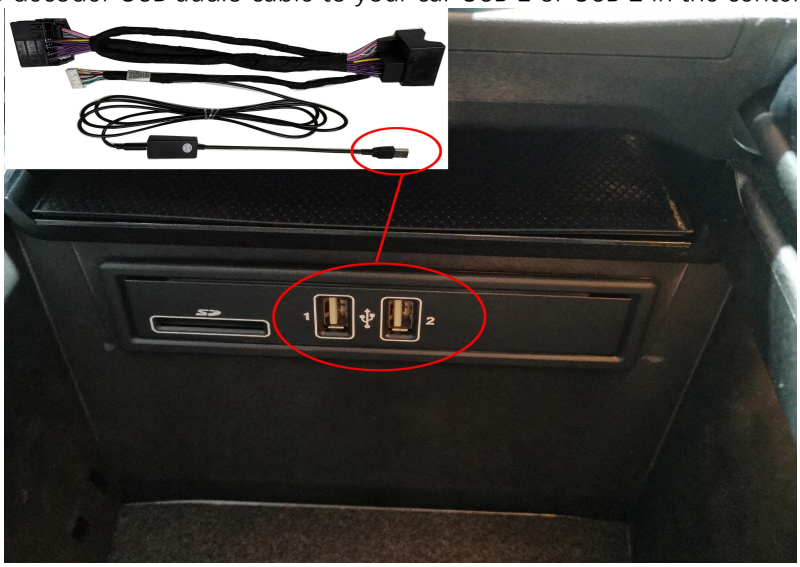
The CarPlay interface decoder box should be installed in an appropriate space near, or on, the OEM head unit. Or in the glove box.

on the OEM head unit	Beside the OEM head unit
	
In the glove box	In the glove box
	

4 CarPlay Decoder Sound Setup

4.1 Connect the USB audio cable

Connect the decoder USB audio cable to your car USB 1 or USB 2 in the center console box



4.2 Set the USB

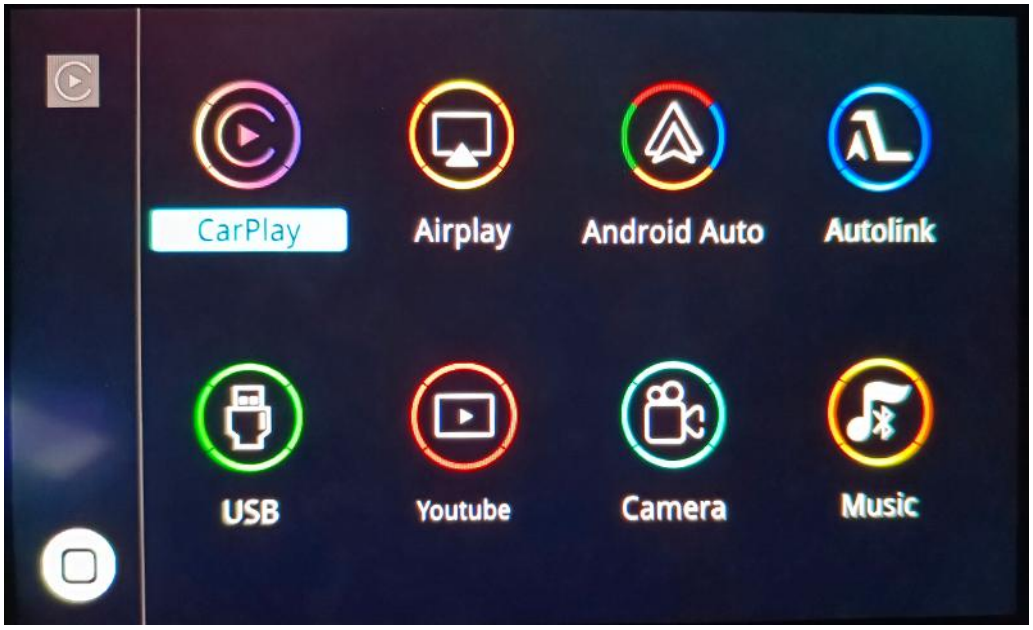
Before using the CarPlay system, you need to set the sound input on your OEM interface to USB AUX 'Media interface 1' or 'Media interface 2', according to the USB audio cable connection position to USB1 or USB2. And the CarPlay /Android Auto system will have sound!



After finishing the USB AUX setting, long press " ★ " button from your car center console handwriting mouse, you can switch the system between the original Mercedes system and the CarPlay system.



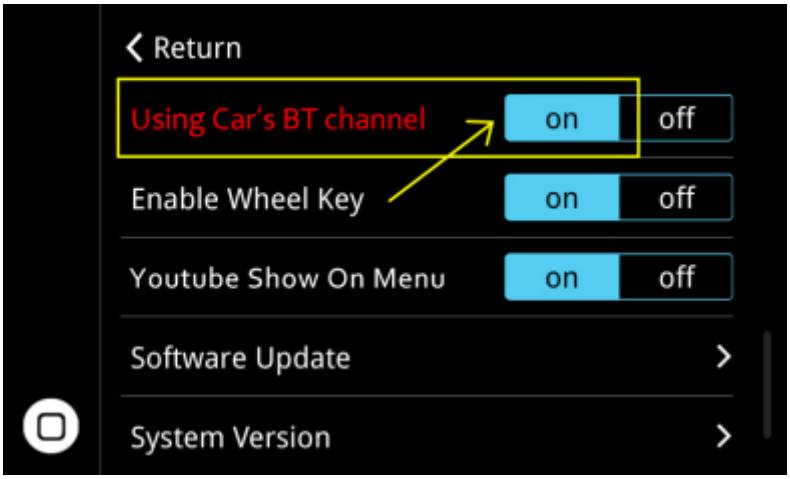
CarPlay Decoder main interface

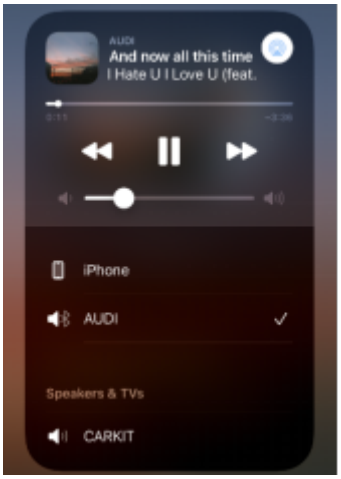


4.3 Set Bluetooth

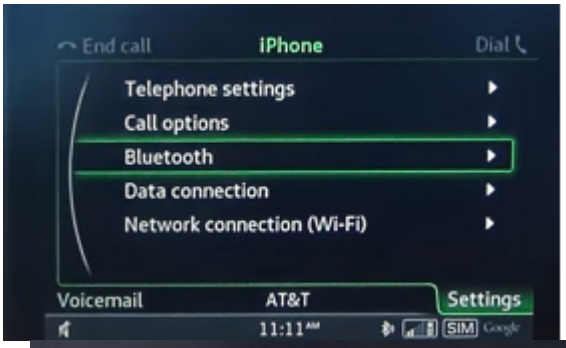
Turn on the setting of " use car's BT channel" and let the phone connect the Original Bluetooth.

Note: For Airplay and autolink function, need turn off the setting of "using car's BT channel" and choose Aux to transfer the sound!

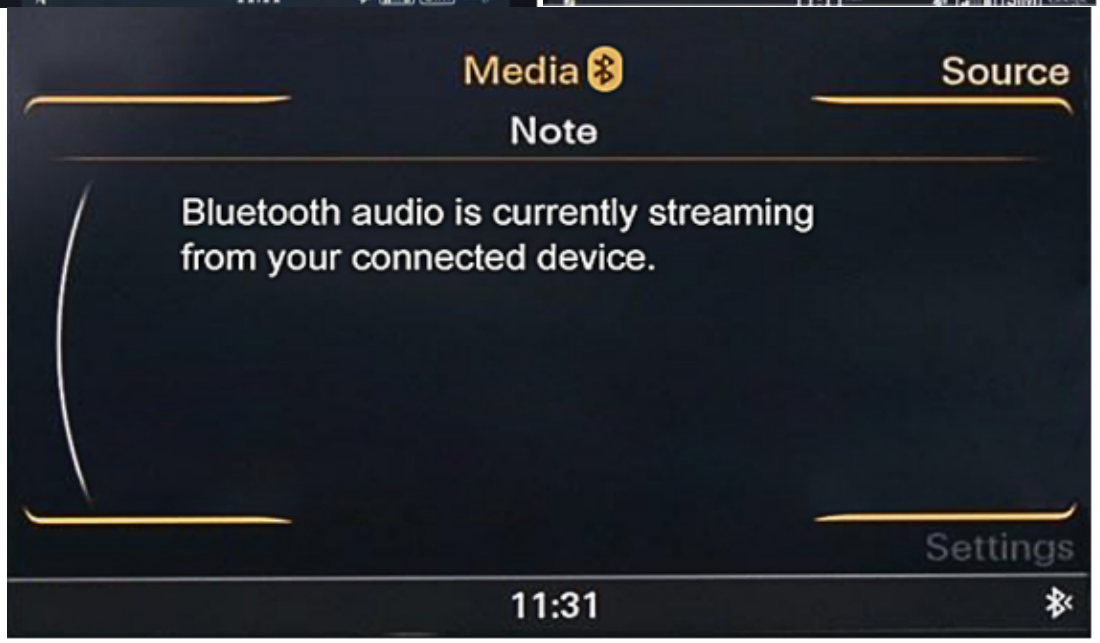




On the original Benz System, navigate to the "Media" interface, click the "Bluetooth", keep the "Bluetooth audio player" ON





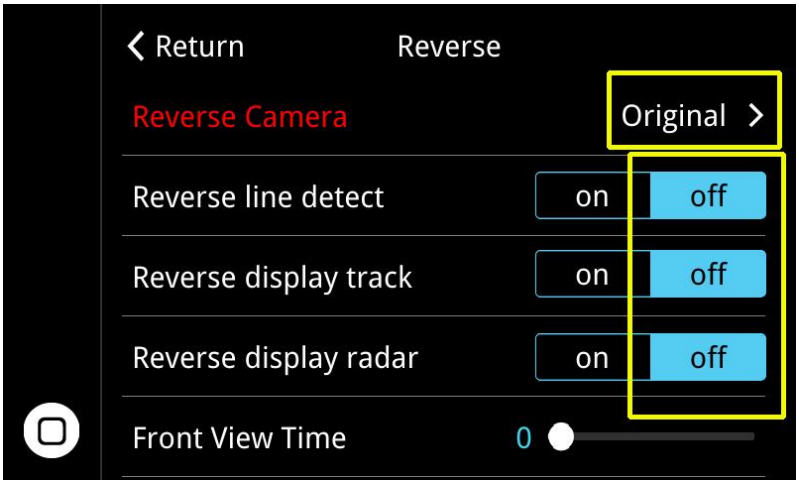


5 Reverse and Front Cameras

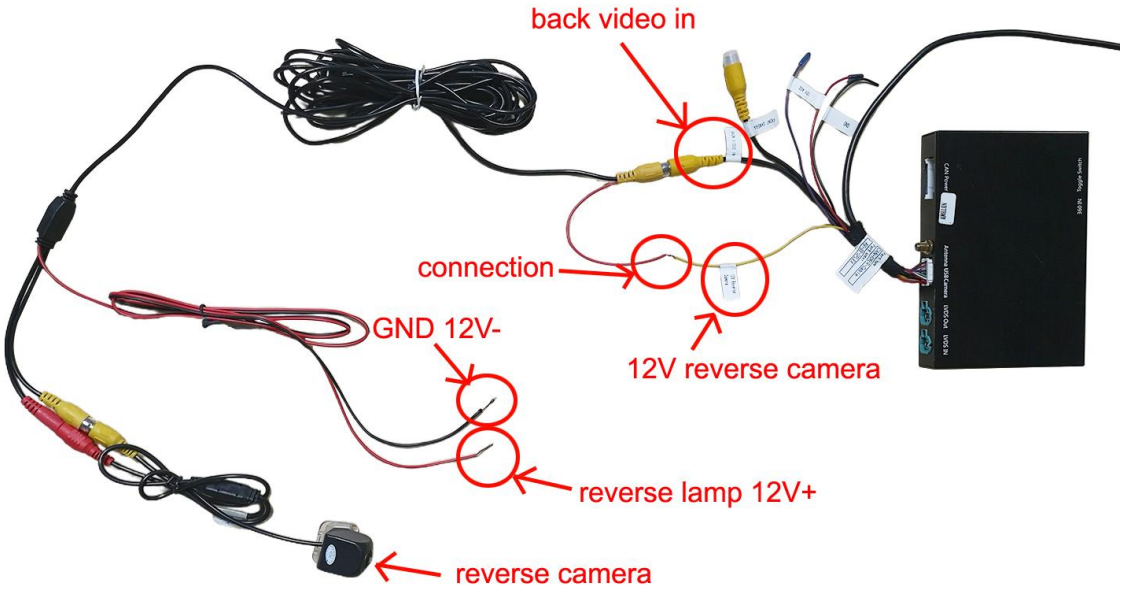
5.1 Original OEM camera

Enter the “Setup” menu from the decoder main menu, choose “Reverse”, then make sure the “Reverse Camera” option is set to “Original”.

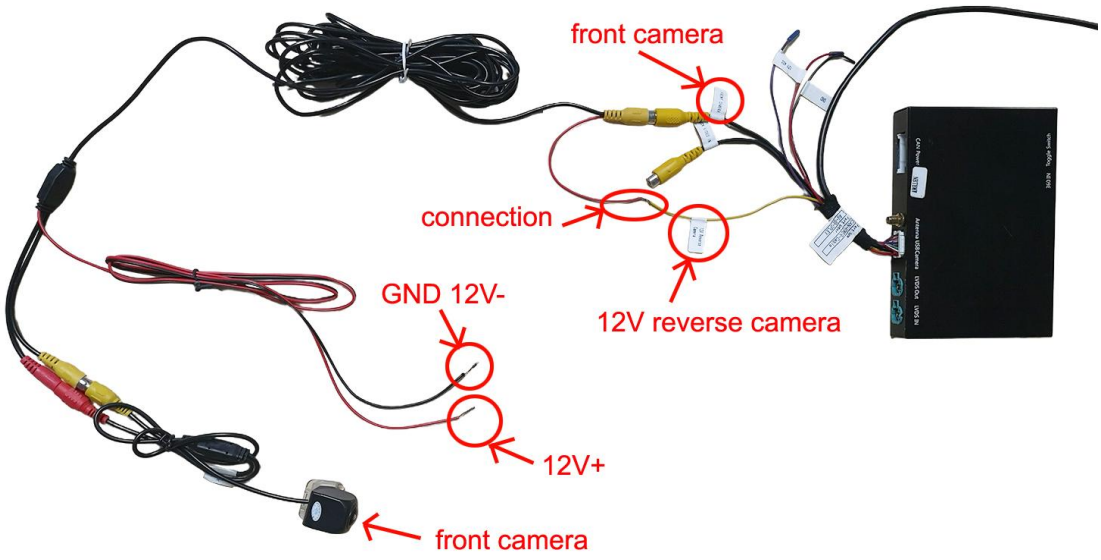
Make sure that the following three options are all set to “off”.



5.2 Aftermarket camera



Aftermarket rear view camera cable connection



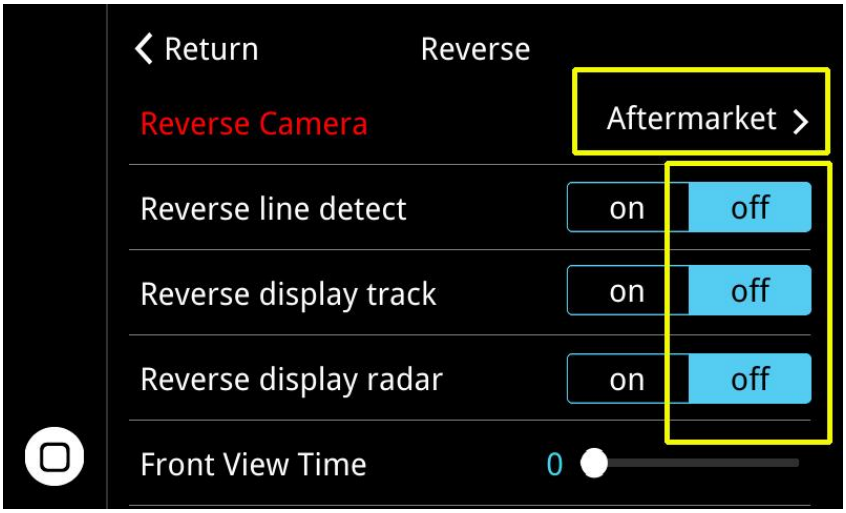
Aftermarket front view camera cable connection

5.3 Settings for aftermarket reverse camera and front cameras

After the aftermarket camera cables are connected, you need to check the camera settings (click the “Setup” button from the decoder main menu).

“Reverse” camera settings: choose “Reverse”, from the menu and set the reverse camera to “Aftermarket”.

the options “Reverse line detect”, the “Reverse display track”, and the “Reverse display radar” should all be set to “off”.



Front view camera settings: choose “Reverse”, from the menu and set the front view time between 1 to 15 seconds.

6 FAQ

1. Why is there no sound during the call?

Solution: Disconnect the Bluetooth between your phone and your car.

2. Why is there no sound during CarPlay function?

Solution :

1. you need to move the original fiber optic cable to CarPlay source power cable. Please view the page 5 of the user manual for detail.

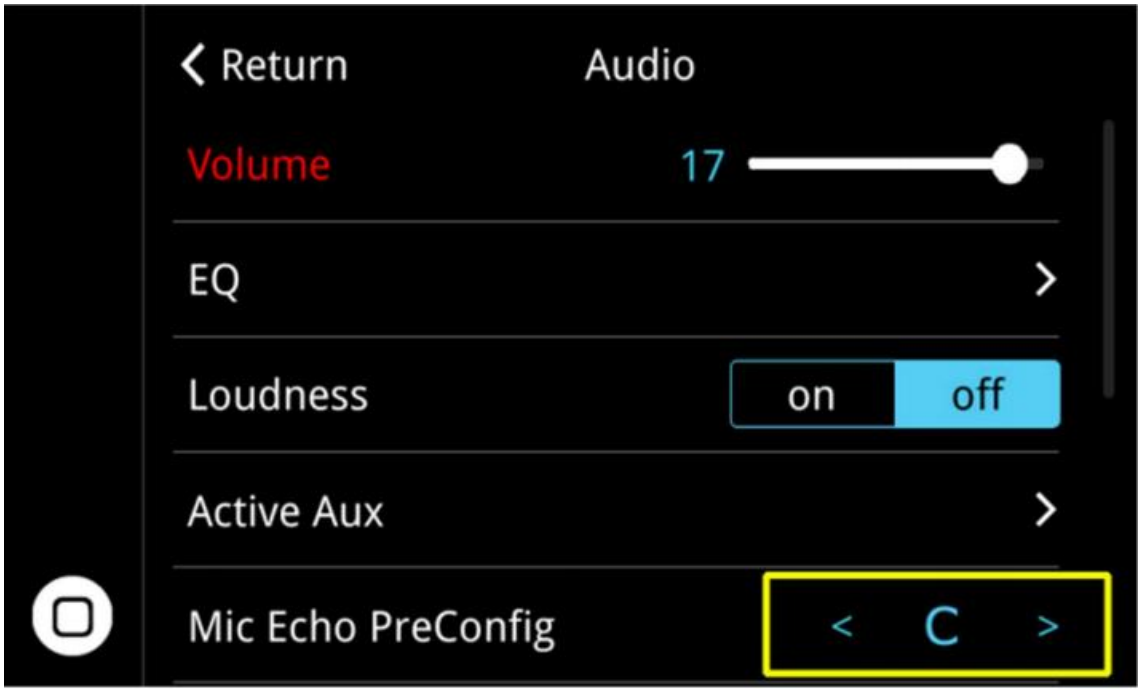
2. you need to USB-Audio cable to your car USB port, and set the “Media Interface” into “USB-AUX”.

3. connect the “Audio GND” cable to the “GND” cable
Please view the page 10 of the user manual for detail.

3. Why have the Echo during the call?

Solution:

1. in the Audio setting, set the “Mic Echo PreConfig“ into “C” or “5.0”, then restart the engine.



2. in the setting, set the “using car's BT phone“ to ON, then connect original car's bluetooth to make a call.

4. Which steering wheel control buttons work?

The CarPlay interface decoder box supports the Voice Control button, the Telephone button, and the volume "+" and "-" buttons. The other buttons are not supported.



5. How do I activate Siri?

There are two ways to activate the Siri function:
1) Use the Voice Control button on the steering wheel or
2) Long press the confirm button on the knob controller





7 Contact Us



Please contact us via purchase platform or the WhatsApp if you need any help.

Tip:
before contacting us, please help us to collect the following information.

1. the order ID
2. the car model
3. the year of the car
4. screen size of the car
5. the toggle switch setup
6. pictures about the LVDS cable connection
7. the software version (in the CarPlay decoder menu, enter into the “Setting”, choose the “System Version”, you will see the software version.)

