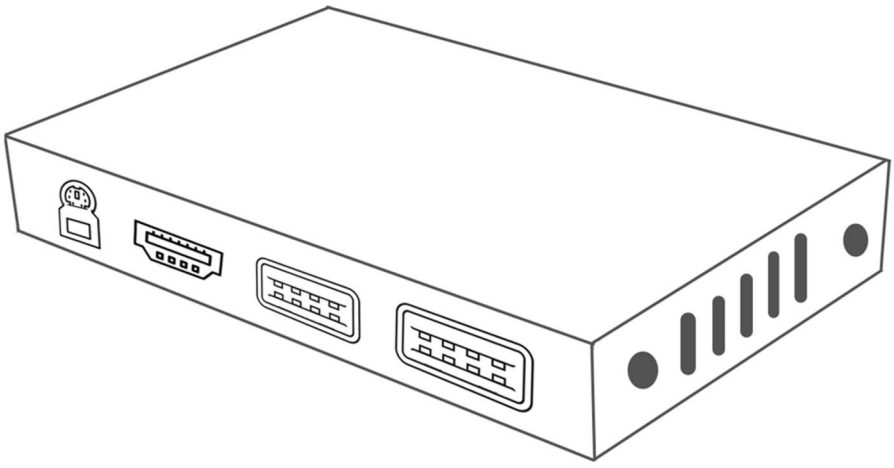
User Manual

Cable Connection

For NTG5.0/5.1/5.2/5.5

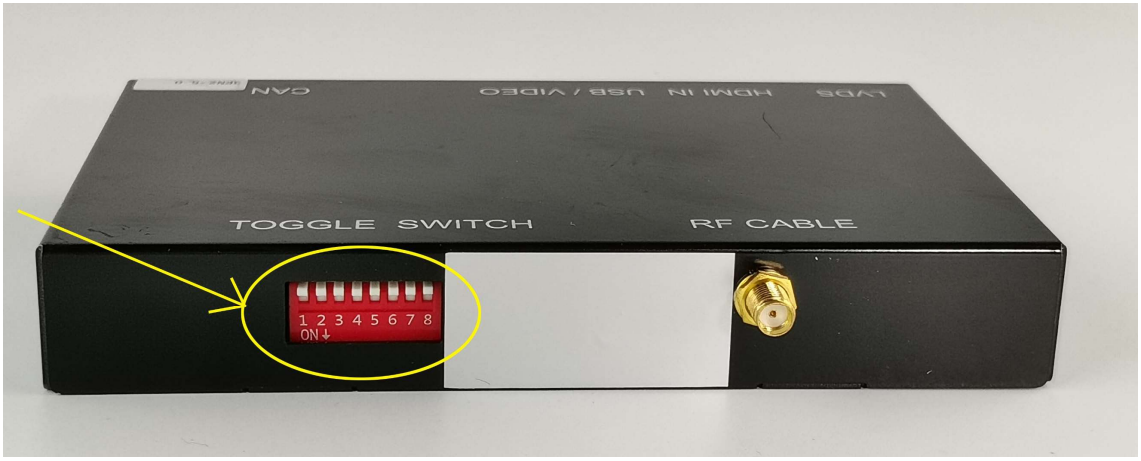


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1. Toggle Switch Setup

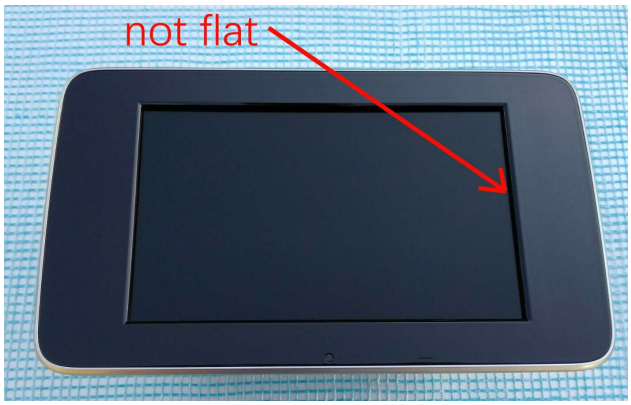
1.1 Where to find the toggle（DIP）switches?



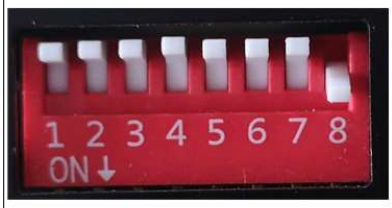
1.2 Choose the toggle switch setup according to the car model and the size of your car's screen

1) For C-Class W205 GLC & V-Class W447

Car Model	7 inch screen (800*480 resolution)	8.4 inch screen (960*540 resolution)
C-Class W205 GLC V-Class W447		

the main different between 7 inch screen and 8.4 inch screen	
7 inch screen (800*480 resolution)	8.4 inch screen (960*540 resolution)
	

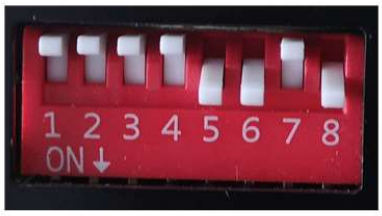
for 7 inch screen (resolution 800*480)	
dial setup 1	Smart Link System

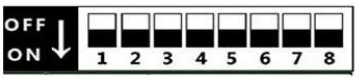




	1	2	3	4	5	6	7	8
Off	✓	✓	✓	✓	✓	✓	✓	
On								✓

for 8.4 inch screen (resolution 960*525)	
dial setup 1	Smart Link System



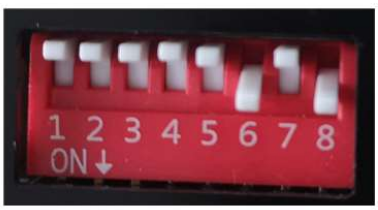


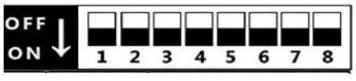
	1	2	3	4	5	6	7	8
Off	✓	✓	✓	✓			✓	
On					✓	✓		✓

2) For S-Class W222



for 12.3 inch screen	
dial setup 1	Smart Link System





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

3) For A-Class, B-Class, CLA, GLA, E-Class, G-Class, GLE & GLS

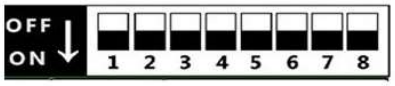
Car Model	7 inch screen (800*480 resolution)	
A-Class CLA GLA B-Class E-Class G-Class GLE & GLS		
		

for 7 inch screen

dial setup 1



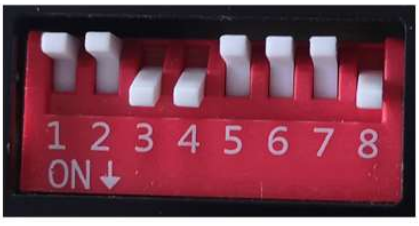
Smart Link System



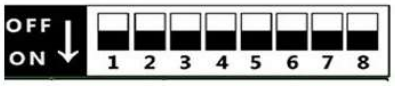
	1	2	3	4	5	6	7	8
Off	✓	✓	✓		✓	✓	✓	
On				✓				✓

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

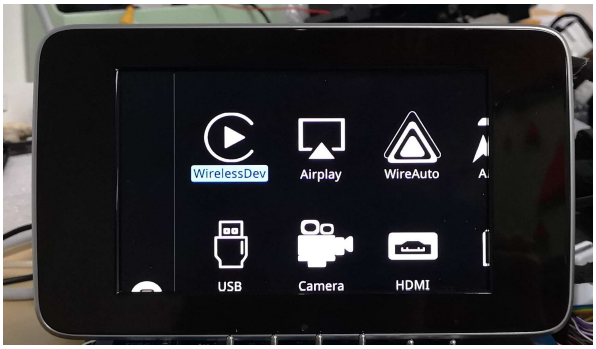
Tip: If dial setup 1 can’t work, please try dial setup 2.

when change the toggle switch setup, you need to reconnect the CAN cable and restart the car engine. please check the steps for change the toggle switch below!

Steps for change the toggle switch	
Step 1 : power off the engine	
Step 2 : unplug the CAN power cable	
Step 3 : change the toggle switch according the toggle switch dial setup chart	
Step 4 : reconnect the CAN power cable	
Step 5 : power on the engine	

1.3 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.

For C-Class W205 & GLC	For S-Class W222	For E-Class

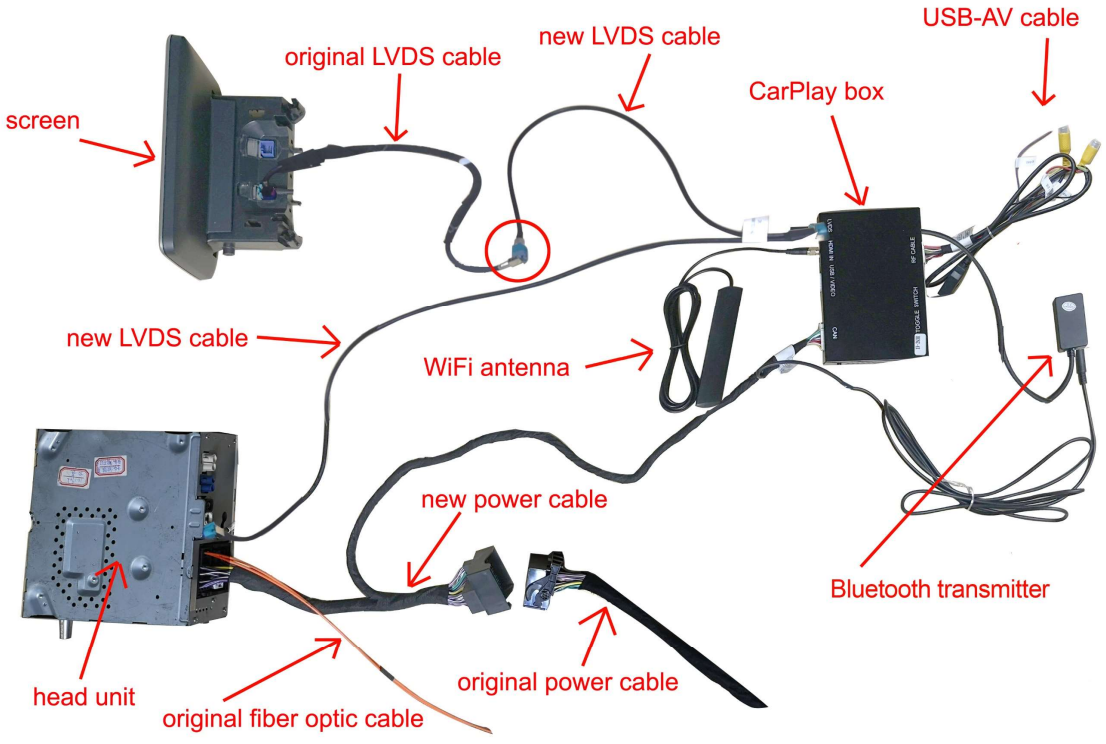
For A-Class CLA GLA	For B-Class	

3. Cable Connection

3.1 Cables and accessories

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

3.2 Cable connection chart



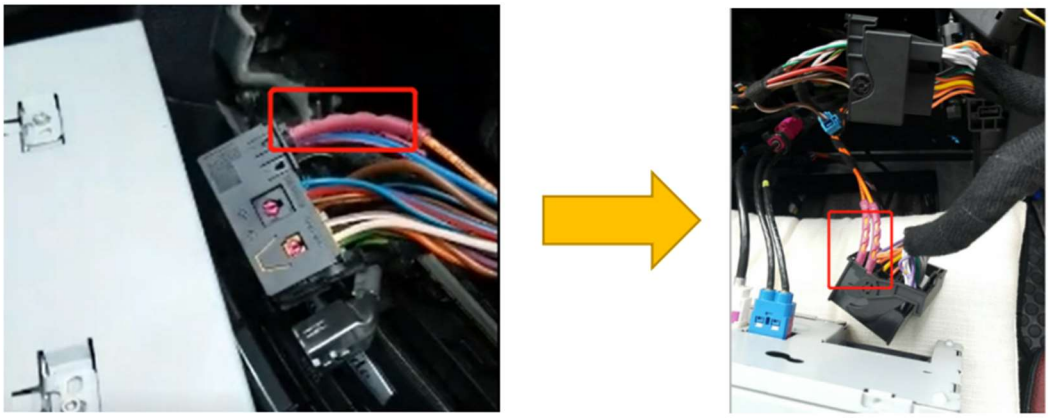
After the cables are all connected, you can switch between the Mercedes system and the CarPlay interfaces by long pressing the "★" button on the car's center console handwriting mouse.



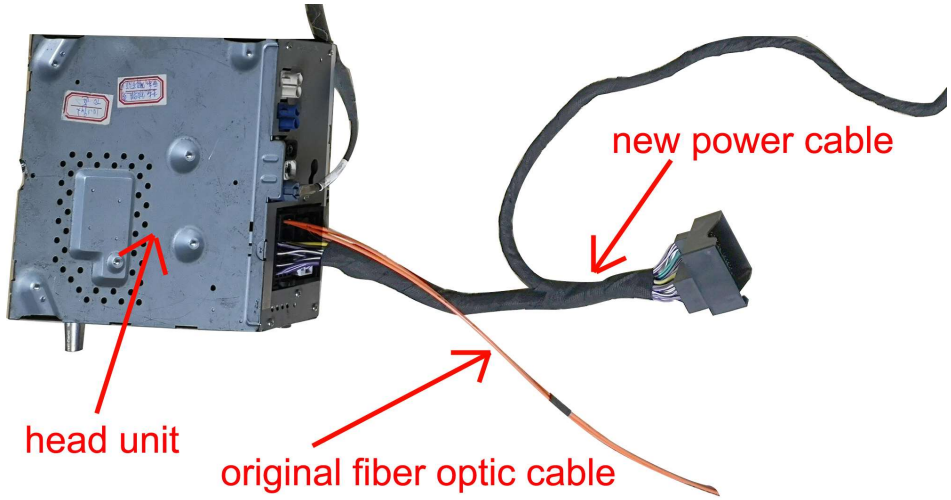
3.3 Power cable connection

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.



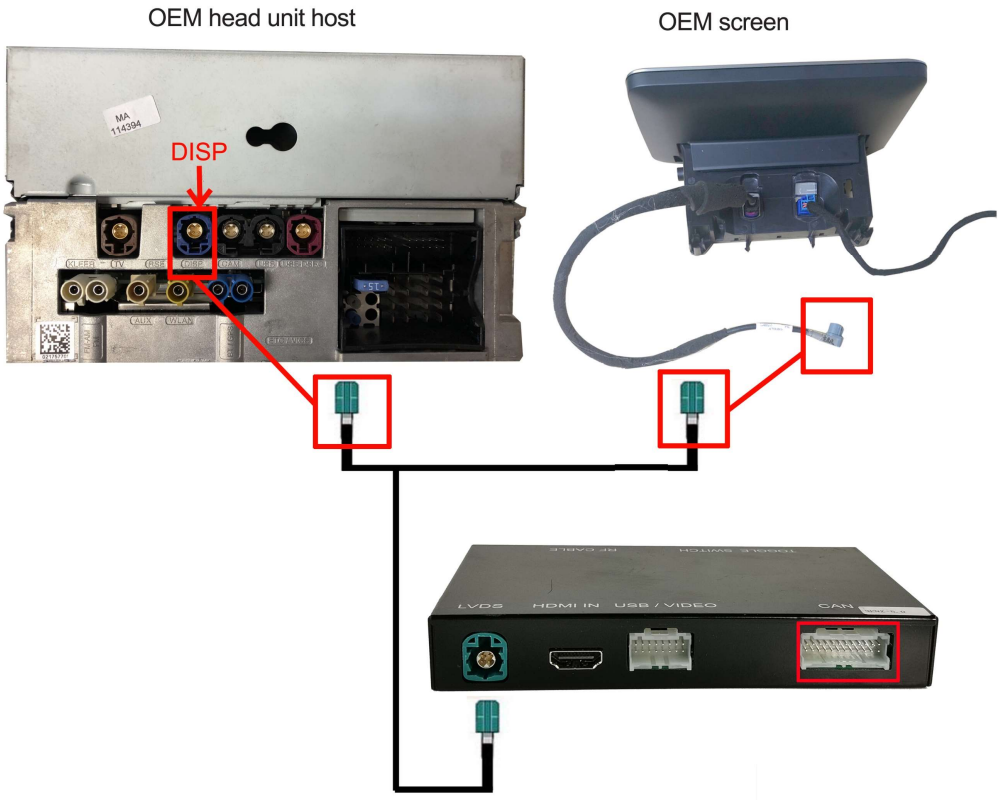
Please remove your original car's fiber optic to our power cable as the picture shown.



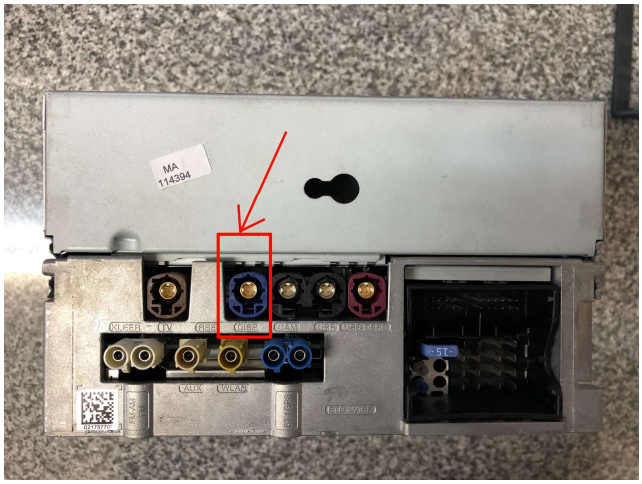
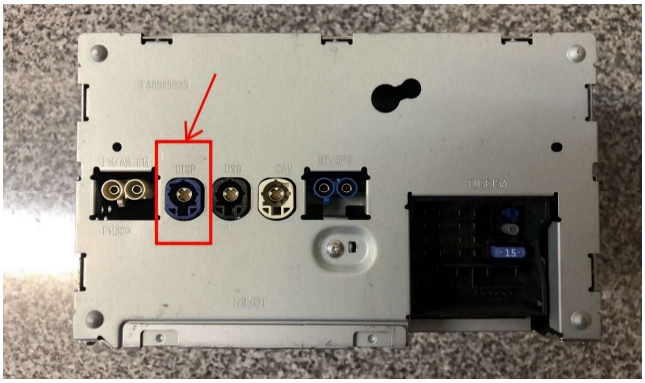
3.4 LVDS cable connection

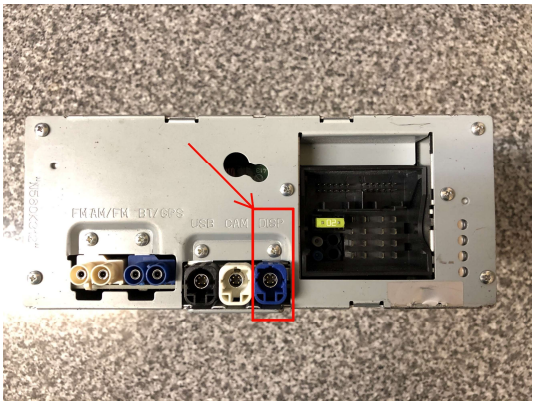
1) New LVDS cable 1 goes to the “DISP” (LVDS) port of OEM the head unit.
2) New LVDS cable 2 goes to the original LVDS cable.

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

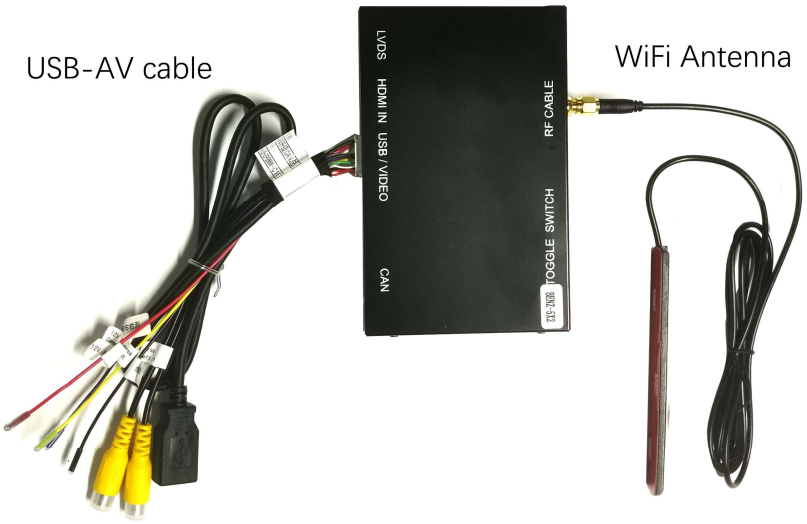


3) where to find the “DISP” port in the different OEM head unit?
“DISP” port , also name the LVDS port, is a port in blue color, behind the head unit.

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

	Audio 20 (made by Mitsubishi)
	

3.5 WiFi antenna and USB-AV cable connection



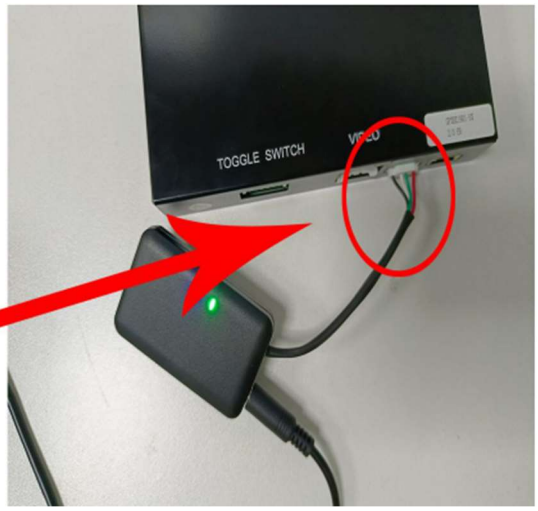
Note: To avoid losing the WiFi signal, make sure the antenna is not placed close to metal objects.

3.6 Bluetooth transmitter cable connection







3.7 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.

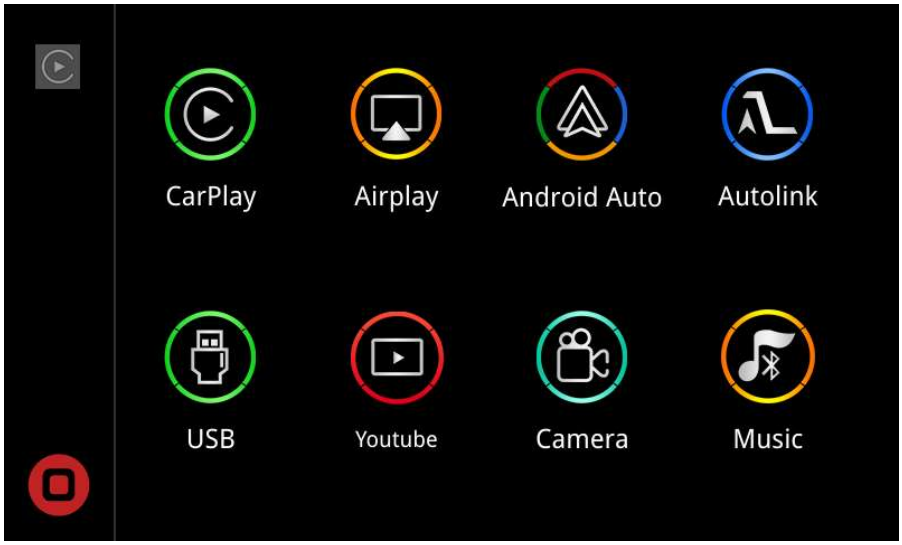
In the glove box	In the glove box
	

on the OEM head unit	Beside the OEM head unit
	

3.8 System switch button

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





4 CarPlay Decoder Sound Setup

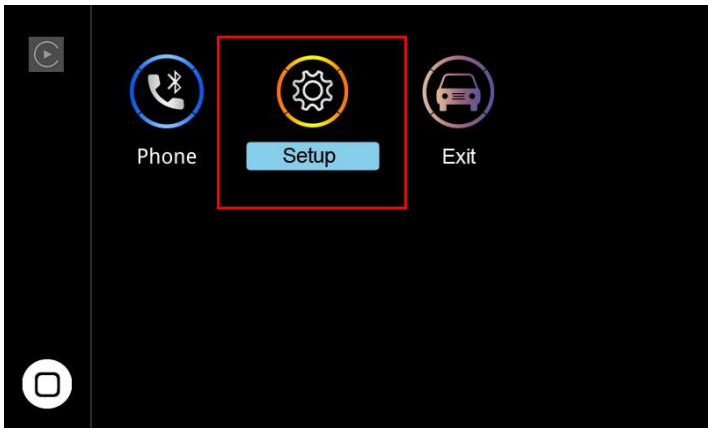
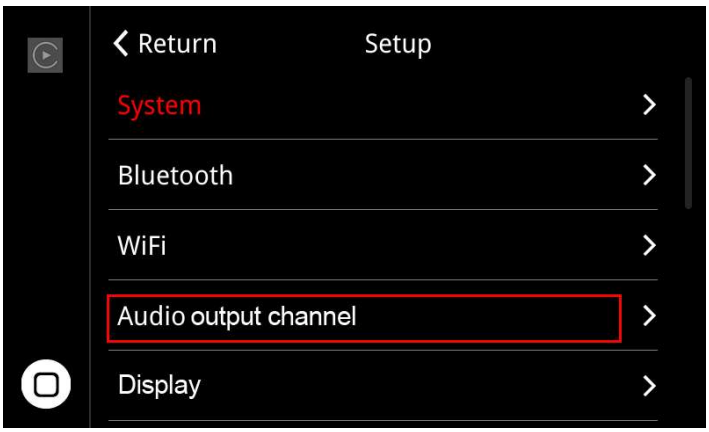
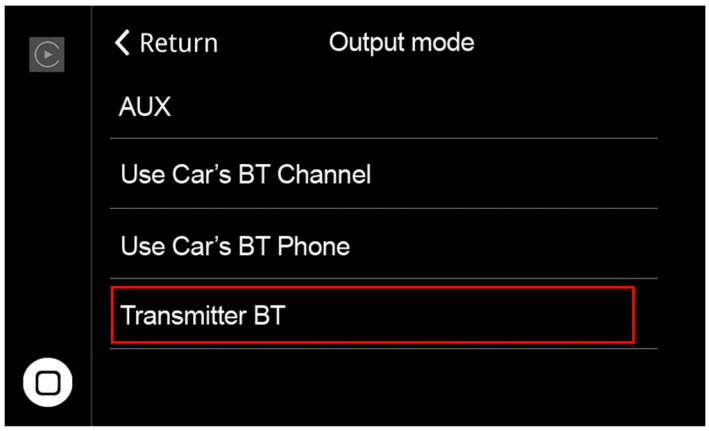
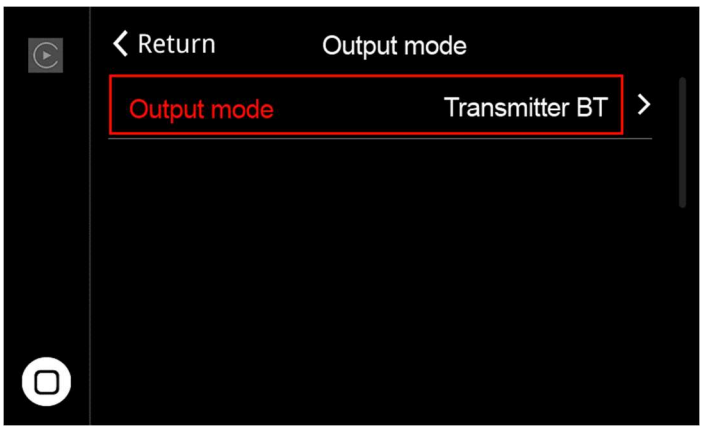
Two ways optional for sound transmission to car audio: Bluetooth transmission and phone Bluetooth output.

4.1 Bluetooth transmission

4.1.1 If your phone already has a bluetooth connection to your car, disconnect it.

4.1.2 Set the CarPlay decoder box sound output mode into Transmitter BT

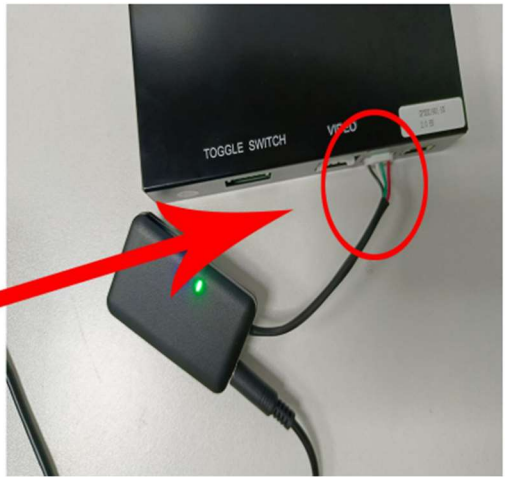
Enter the “Setup” menu from the decoder main menu , Set the “Audio output channel” into “Transmitter BT” .

Step 1	Step 2
	
Step 3	**Step 4**
	

4.1.3 Cable connection for Bluetooth transmitter



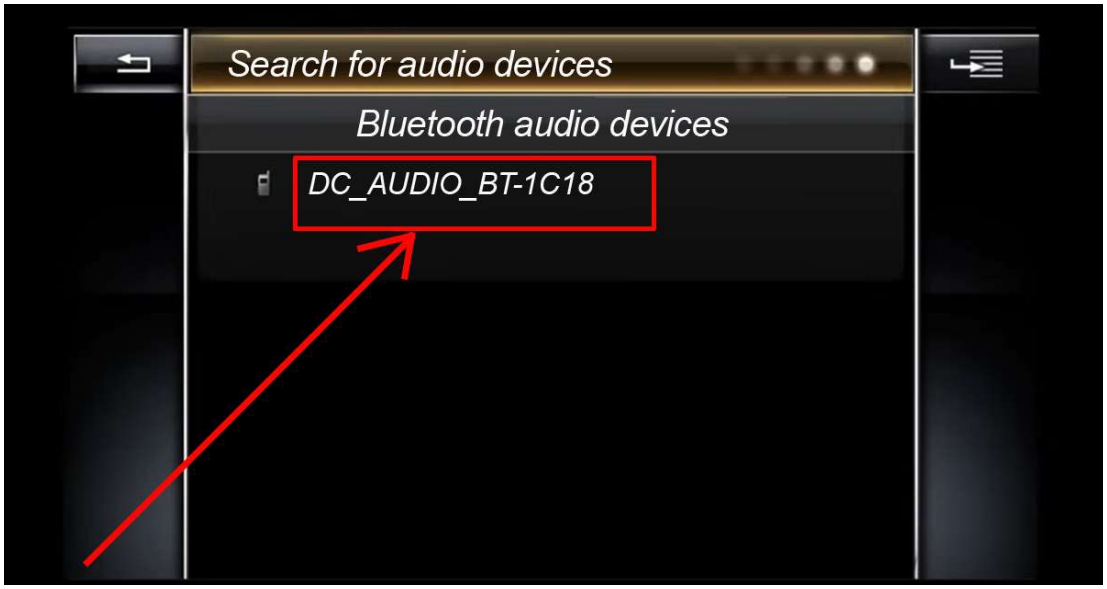




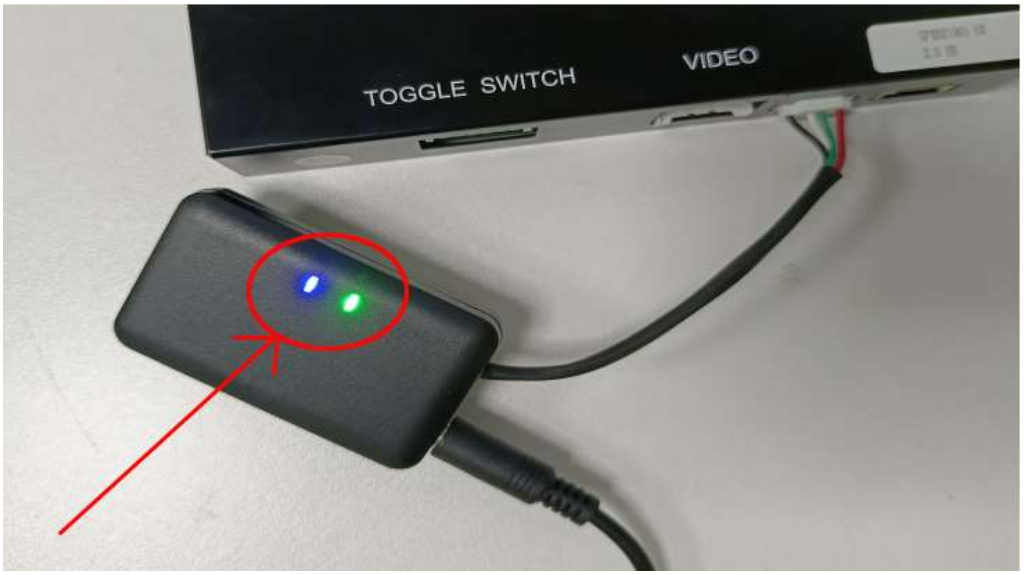
After connect the Bluetooth transmitter, the green light is on, the blue light flash.

4.1.4 Pair the Bluetooth transmitter to the OEM Mercedes Bluetooth

The name of the Bluetooth transmitter is “DC_AUDIO_BT-****”



After the Bluetooth transmitter is paired successfully, the green light and the blue are on.



Keep the original OEM Mercedes system into Bluetooth audio page, and long press the "★" button on the car console mouse to enter into the CarPlay decoder interface and enjoy the CarPlay/Android auto.





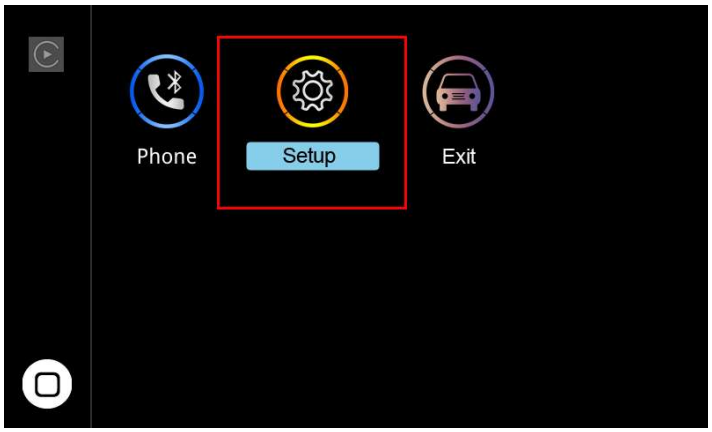
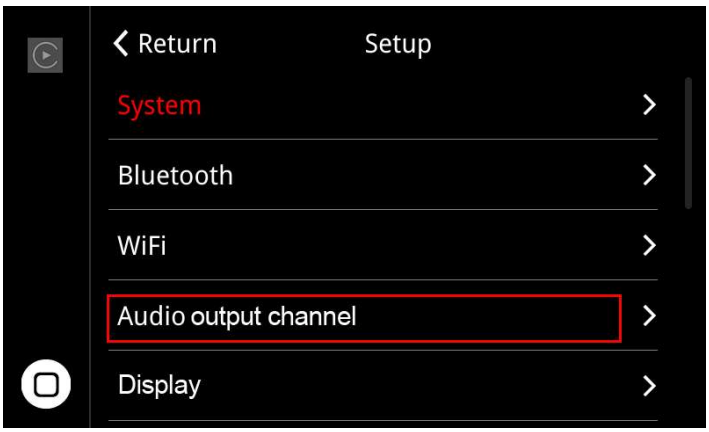
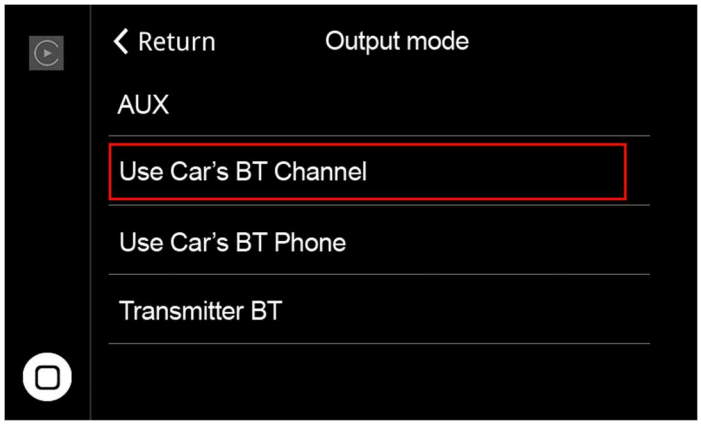
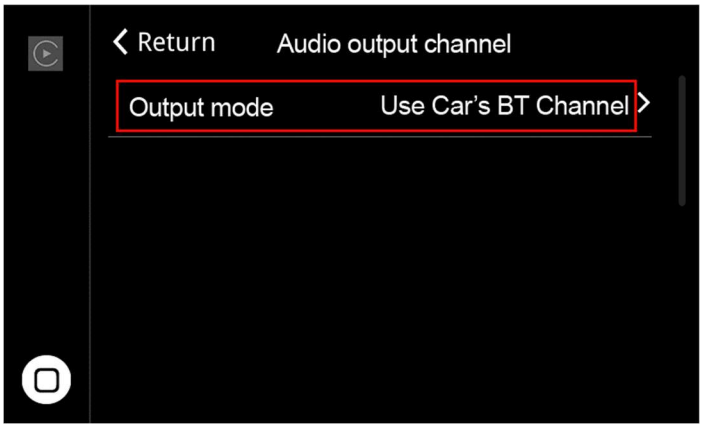
4.2 Phone Bluetooth output

Note: This sound connection mode only supports Carplay and Android Auto, as well as Bluetooth calls. USB/SD card music video sound output is not supported. Mirrored sound output is not supported.

4.2.1 Disconnect the Bluetooth transmitter

4.2.2 Set the CarPlay decoder box sound output mode into “Use Car’s BT Channel”

Enter the “Setup” menu from the decoder main menu , Set the “Audio output channel” into “Use Car’s BT Channel” .

Step 1	Step 2
	
Step 3	**Step 4**
	

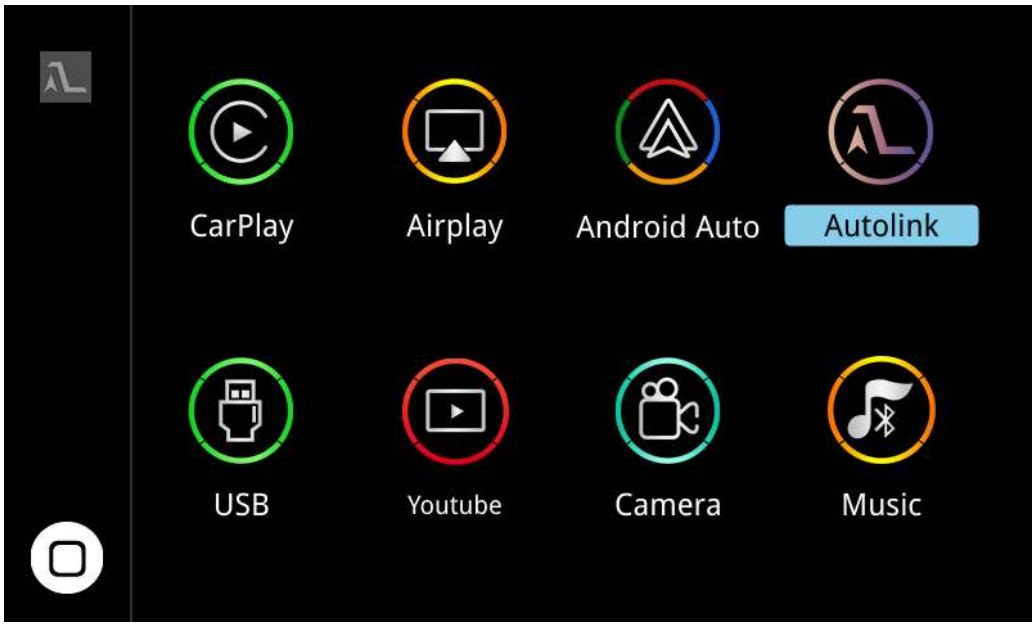
4.2.3 Pair the Phone Bluetooth to the OEM Mercedes Bluetooth

After the phone Bluetooth is paired successfully, Keep the original OEM Mercedes system into Bluetooth audio page, and long press the “★” button on the car console mouse to enter into the CarPlay decoder interface and enjoy the CarPlay/Android auto.





The CarPlay decoder main interface



5 Reverse and Front Cameras

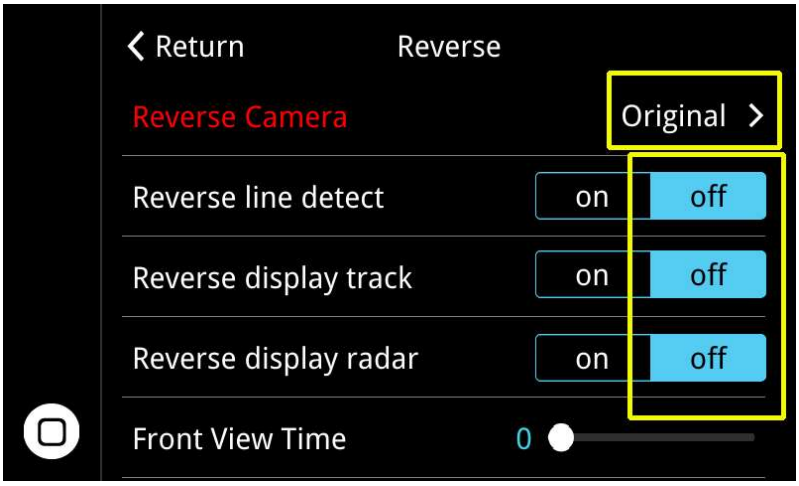
5.1 Original OEM camera

Setting is different for the Automatic Transmission car and the Manual Transmission car.

5.1.1 Setup for Automatic Transmission car with original OEM camera

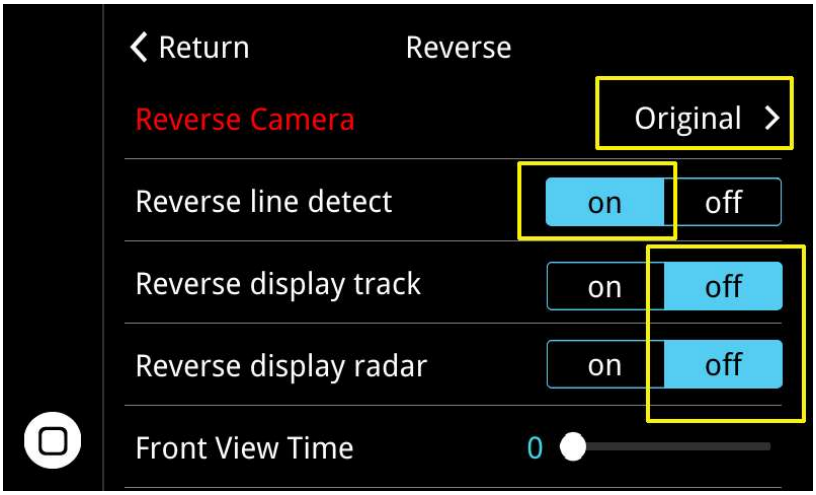
Enter the “Setup” menu from the decoder main menu, choose “Reverse”, then make sure the “Reverse Camera” option is set to “Original”.

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



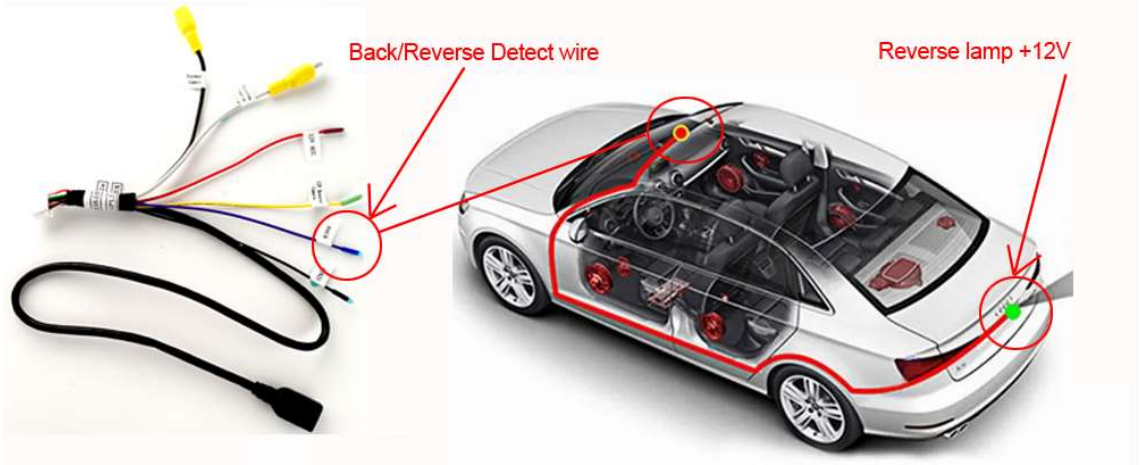
5.1.2 Setup for Manual Transmission car with original OEM camera

Enter the “Setup” menu from the decoder main menu, choose “Reverse”, then make sure the “Reverse Camera” option is set to “Original”, and set the “Reverse line detect” into “on”, the others are set to “off”



After set the “Reverse line detect” into “on”, for the Manual Transmission car, you need to connect the “Back/Reverse detect” wire to your car reverse lamp positive (+12V).

You manage to get a wire long enough to connect it (connect the Reverse detect wire to your car reverse lamp +12V), because it doesn’t come with the package.



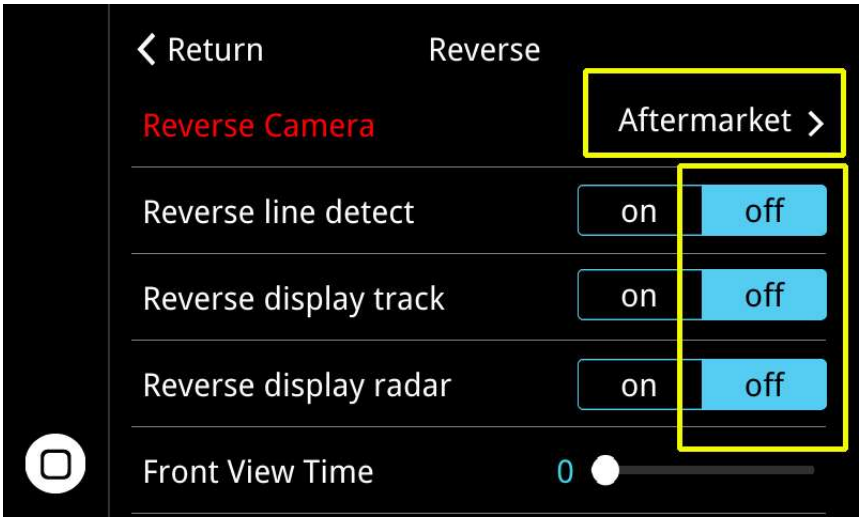
5.2 Aftermarket reverse camera

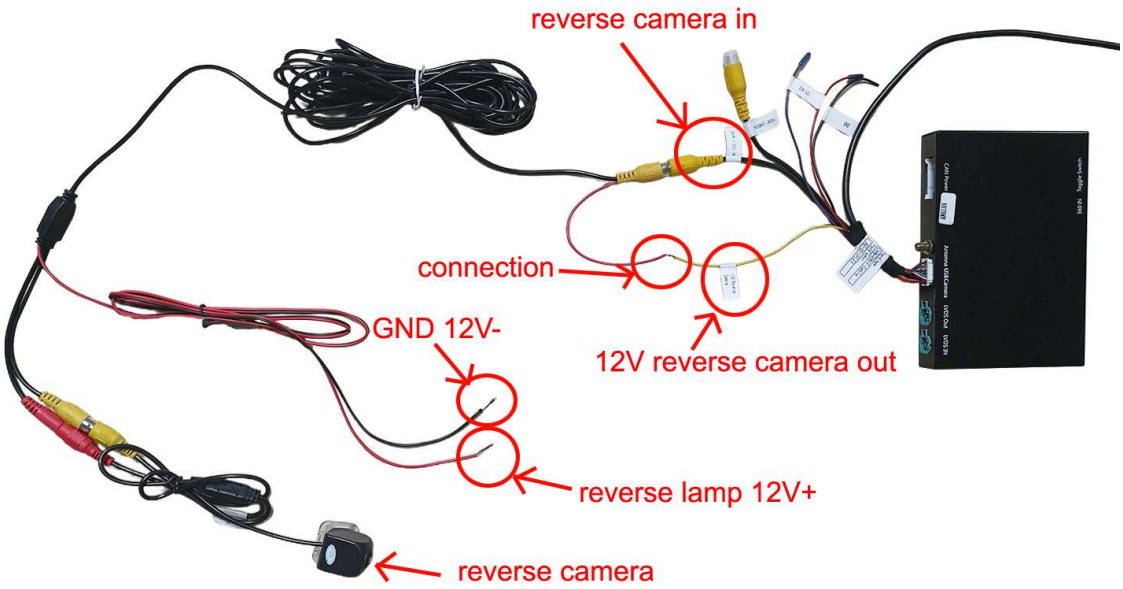
Setting is different for the Automatic Transmission car and the Manual Transmission car.

5.2.1 Setup for Automatic Transmission car with aftermarket camera

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

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

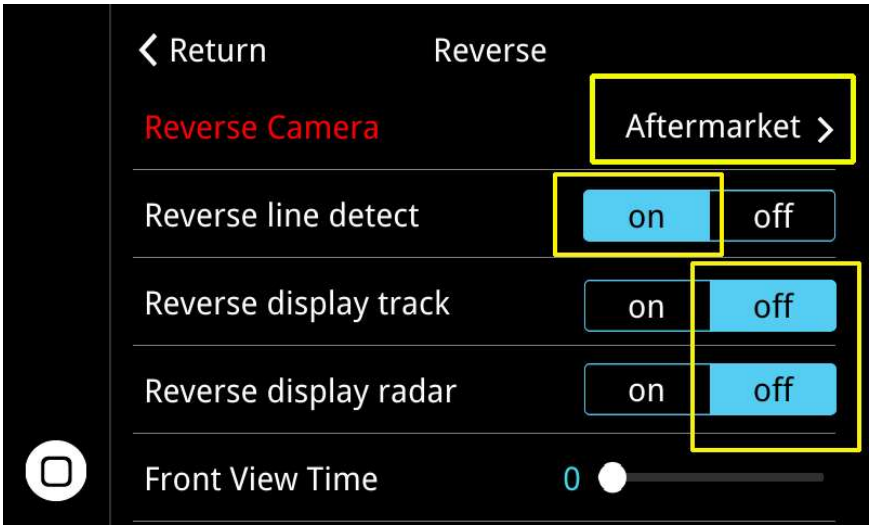


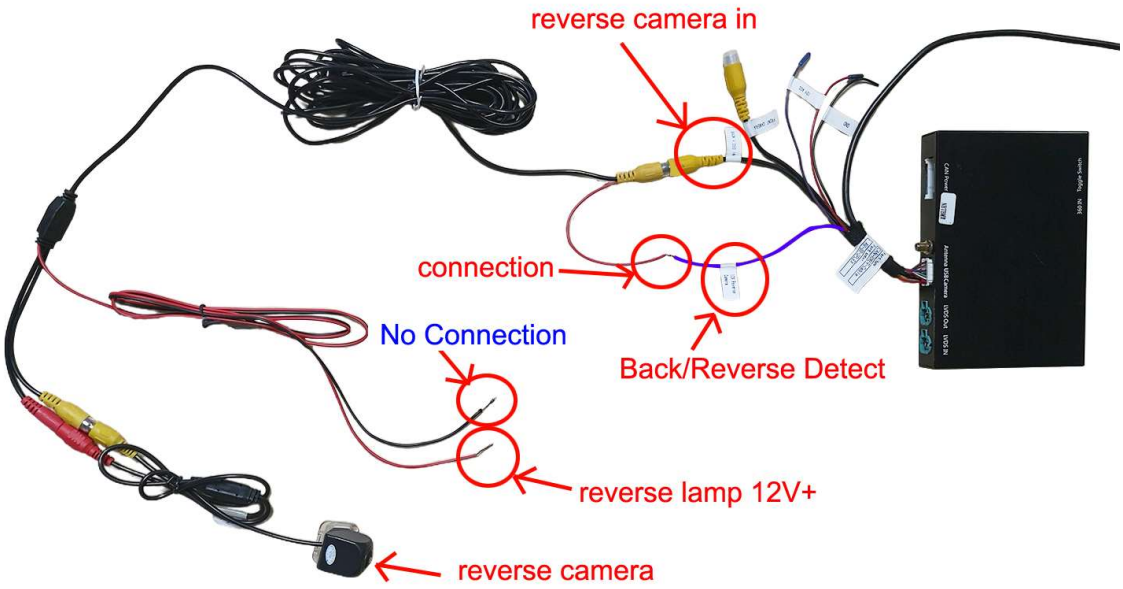


Aftermarket rear view camera cable connection for Automatic Transmission car

5.2.2 Setup for Manual Transmission car with aftermarket camera

Enter the “Setup” menu from the decoder main menu, choose “Reverse”, then make sure the “Reverse Camera” option is set to “Aftermarket”, and set the “Reverse line detect” into “on”, the others are set to “off”

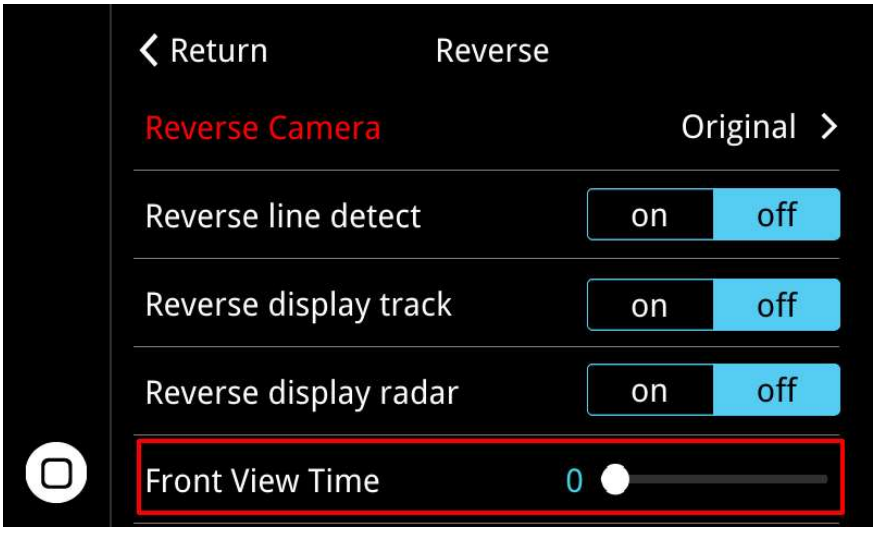




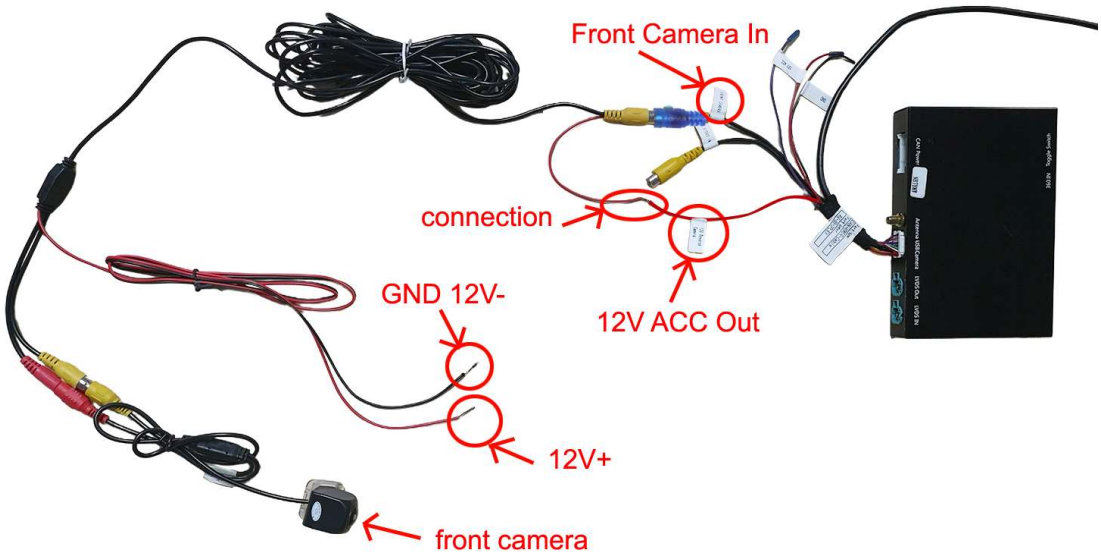
Aftermarket rear view camera cable connection for Manual Transmission car

5.3 Front view cameras

Front view camera settings: enter into the “Reverse” setting interface, and set the front view time between 1 to 15 seconds.



Tip: if your car doesn’t install the front view camera, please set the front view time into 0 seconds.



Front view camera cable connection

6 FAQ

1. Why is there no sound during CarPlay function?

You need to move the original fiber optic cable to CarPlay source power cable. Please view the page 8 of the user manual for detail.

2. 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.



3. How do I activate Siri ?

There are 2 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, mail 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.)

