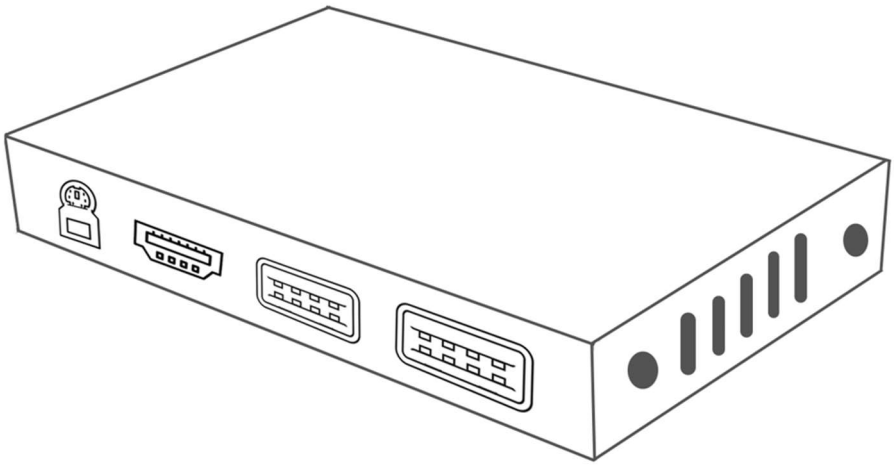
User Manual

Cable Connection

For Joystick and Small Touchpad Version



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1. Toggle Switch Setup

1.1 Choose the toggle switch setup according to the size of your car's screen

Car Model	7/8 inch screen	10.3/12.3 inch screen
NX 2014-2020		
ES 2014-2020		
RX 2016-2020		

IS 2014-2020		
GS 2012-2019 UX 2017-2020 CT 2014-2020 LS 2014-2020 LX 2015-2020 LC 2016-2019 RC 2015-2020		

1.2 Where to find the toggle switch?

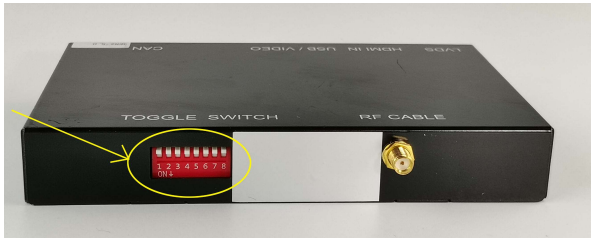


1.3 Steps for change the toggle switch

For different car model, there are two dial ways: the dial setup 1 and the dial setup 2.

The priority way is the dial setup 1. After all the cables have a correct connection, if you can't switch from the OEM Lexus system to the CarPlay decoder main interface, please change the toggle switch setup into dial setup 2.

When change the toggle switch setup, you need to restart the engine, below are the detail steps for change the toggle switch.

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	

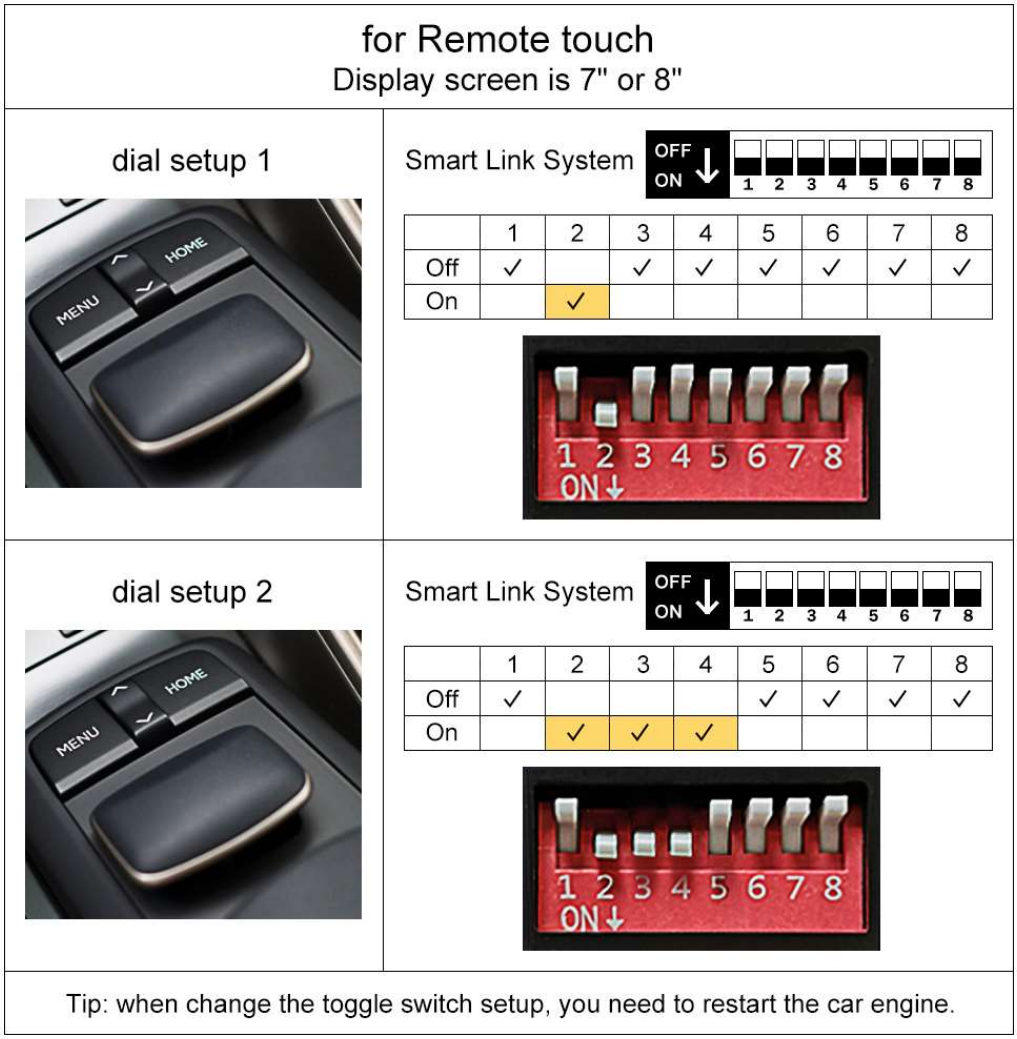
1.4 Set the toggle switch according to the size of your car's screen

Before set the toggle switch, it refers to two versions of Lexus car, the Joystick version and the Small Touch Pad Version

the Joystick version	the Small Touch Pad Version
	

1.4.1 For Lexus cars with Joystick version

1.4.1.1 for Lexus cars joystick version with 7" or 8" display screen



1.4.1.2 for Lexus cars joystick version with 10.3“ or 12.3” display screen

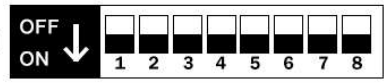
for Remote touch

Display screen is 10.3" or 12.3"

dial setup 1



Smart Link System



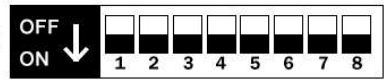
	1	2	3	4	5	6	7	8
Off	✓		✓		✓	✓	✓	✓
On		✓		✓				



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.

1.4.2 For Lexus cars with Small Touchpad version

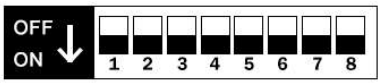
1.4.2.1 for Lexus cars Small Touchpad version with 7“ or 8” display screen

for Small Touchpad configuration
Display screen is 7" or 8"

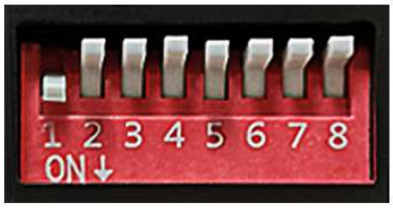
dial setup 1



Smart Link System



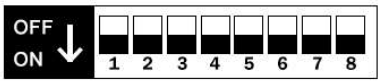
	1	2	3	4	5	6	7	8
Off		✓	✓	✓	✓	✓	✓	✓
On	✓							



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.

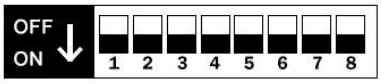
1.4.2.2 for Lexus cars Small Touchpad version with 10.3“ or 12.3” display screen

for Small Touchpad configuration
Display screen is 10.3" or 12.3"

dial setup 1



Smart Link System



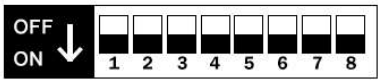
	1	2	3	4	5	6	7	8
Off		✓	✓		✓	✓	✓	✓
On	✓			✓				



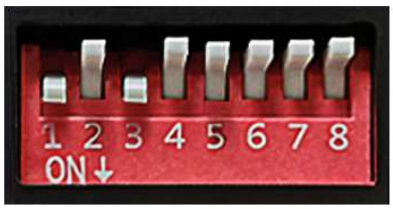
dial setup 2



Smart Link System



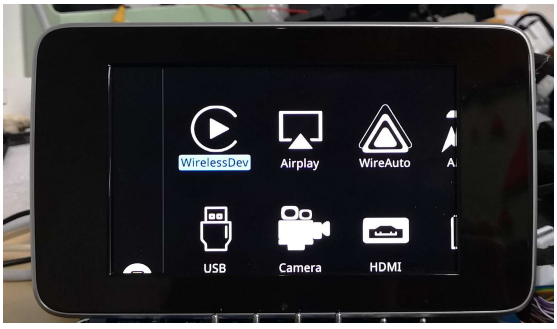
	1	2	3	4	5	6	7	8
Off		✓		✓	✓	✓	✓	✓
On	✓		✓					



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

1.5 Wrong toggle switch setup will cause 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	Half-screen when switch to CarPlay function
	

2. Dashboard Removal

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

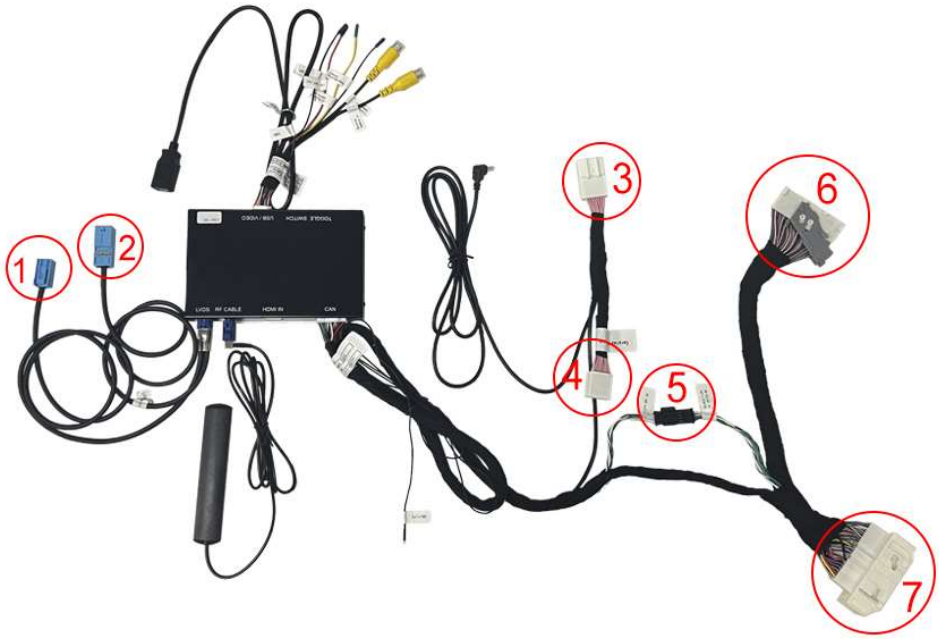
For NX	For ES

3. Cables Connection

3.1 Cables Accessories

 power cable harness	 LVDS cable	 the screen power cable
 USB cable	 WI-FI antenna	 joystick extension cable
		

3.2 Cable Connection Chart



1---connect to the screen LVDS port

2---connect to the head unit host LVDS cable

3/6---connect to head unit host

4/7---connect to OEM power cable

5----A# old car no split display connect to C# Can control

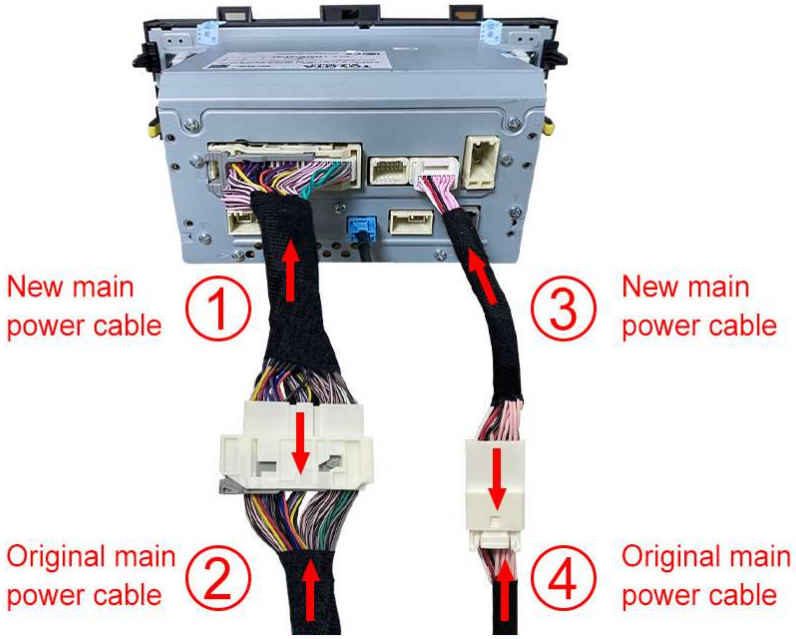
After cable connection, by long press "menu" button, you can switch the system between the original system and the CarPlay system.



3.3 Power Cable connection

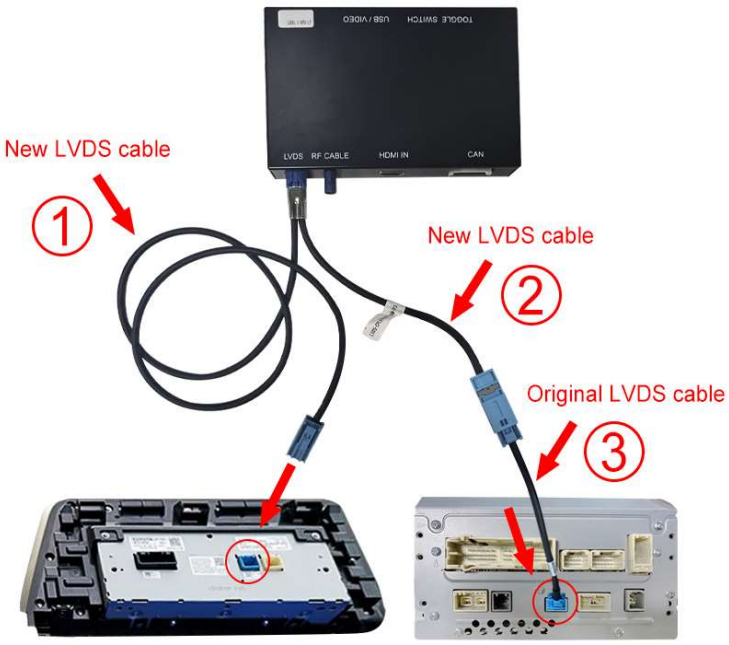
Unplug the OEM original power cable from the head unit and reconnect it to the new cable harness. Then plug the new cable into the head unit.

1 and 3 is the new main power cable
2 and 4 is the original main power cable

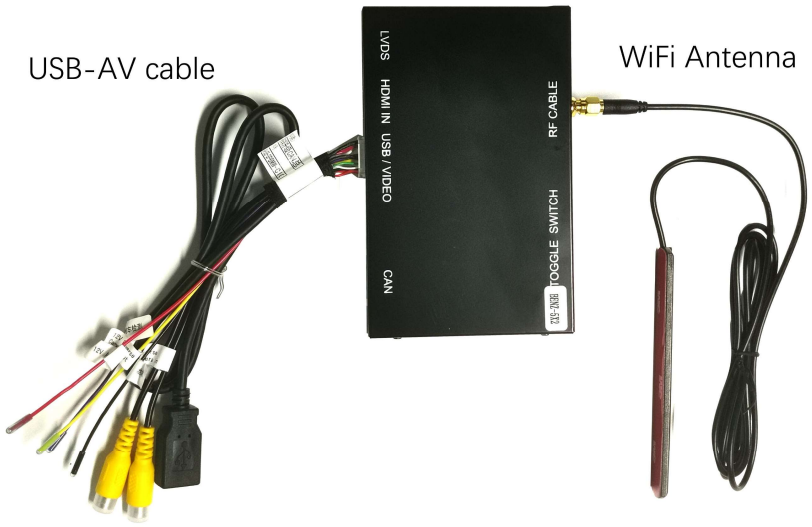


3.4 LVDS Cable connection

1) New LVDS 1 cable goes to "LVDS" port from the screen.
2) New LVDS 2 cable goes to the original LVDS cable unplugged from the screen.
3) Wrong LVDS cables connections will cause black screen.



3.5 WiFi antenna and USB-AV cable connection

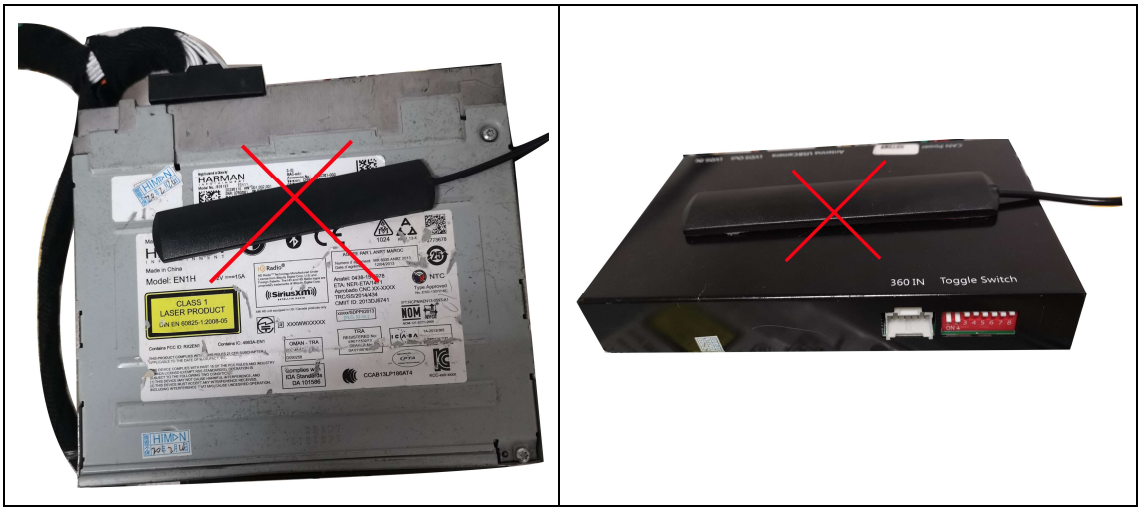


Tip :

A) The WiFi antenna cannot be placed close to metal objects.

(The WiFi signal will lose if WiFi antenna is close to the metal objects.)

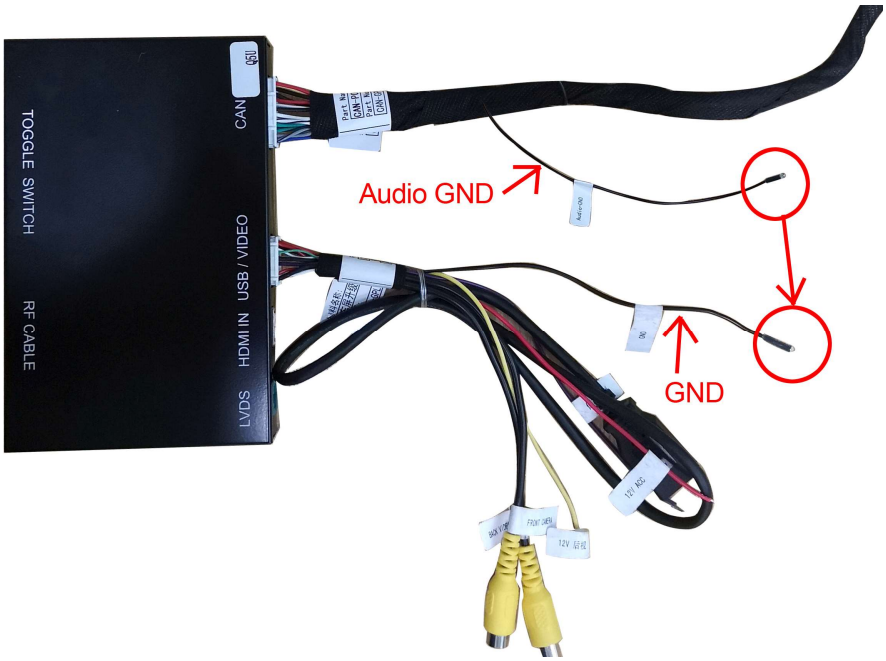
The USB port in the USB-AV cable is used for software updates.



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 The CarPlay interface decoder box should be put behind the head unit host or in the glove box.

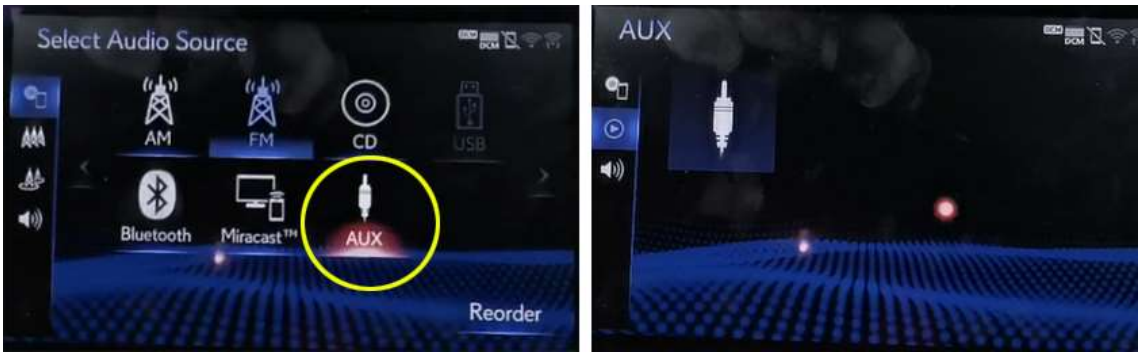
on or behind the OEM head unit	In the glove box
	

4. CarPlay Decoder Sound Setup

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

4.1 AUX Output

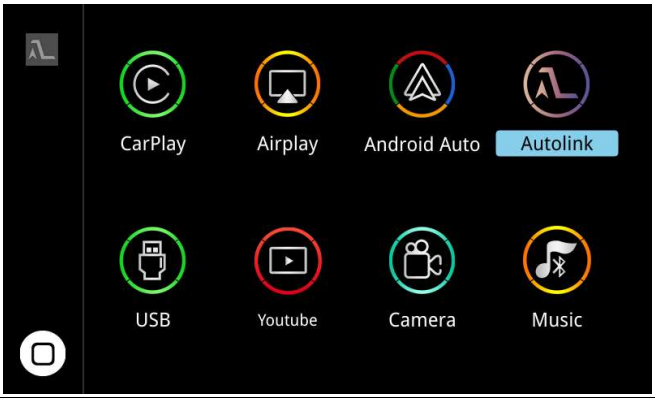
Before using the CarPlay system, you need to set the sound input on your OEM interface to "AUX", otherwise the CarPlay /Android Auto system will have sound!



After finish the AUX setting, long press "MENU" button from the joystick or touchpad controller, you can switch the system between the original Lexus system and the CarPlay system.



The CarPlay decoder main interface



For the AUX output, don't need to connect the EXT-AUX cable. But if the sound doesn't work during the CarPlay or Android Auto function, you need to connect this EXT-AUX cable to your car AUX port.

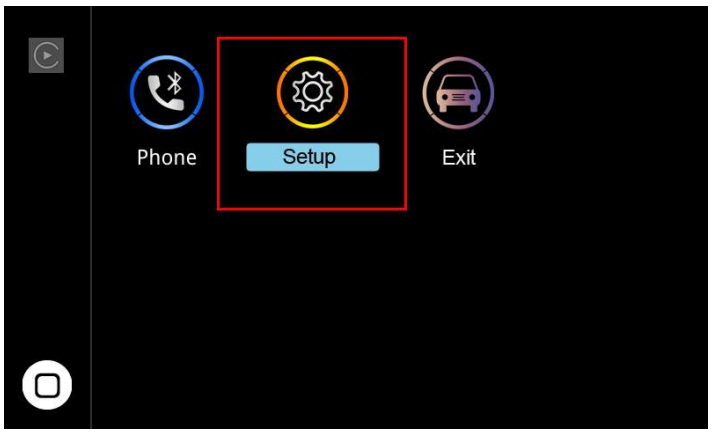
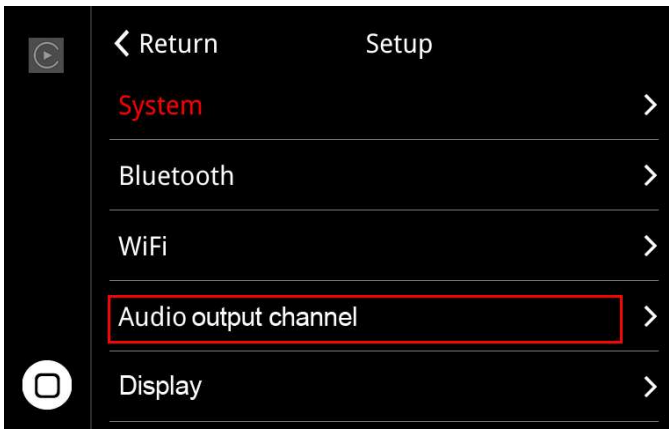
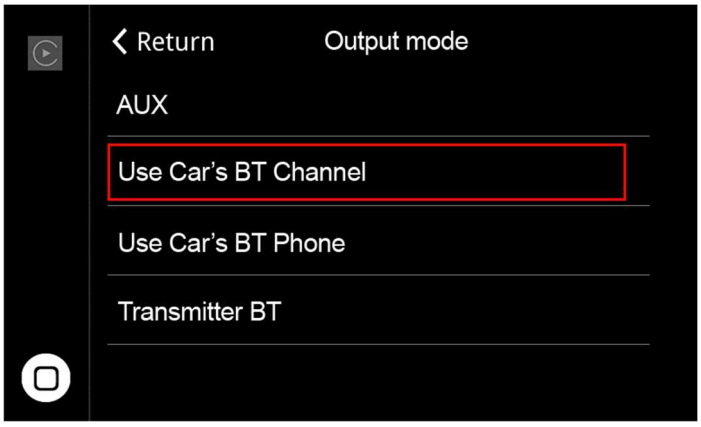
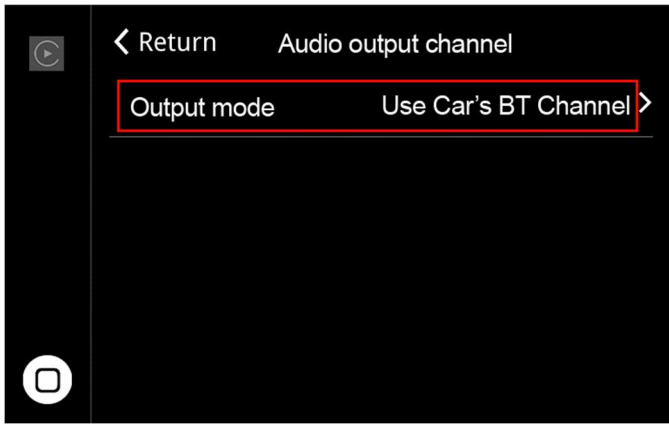


4.2 Phone Bluetooth output

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 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**
	

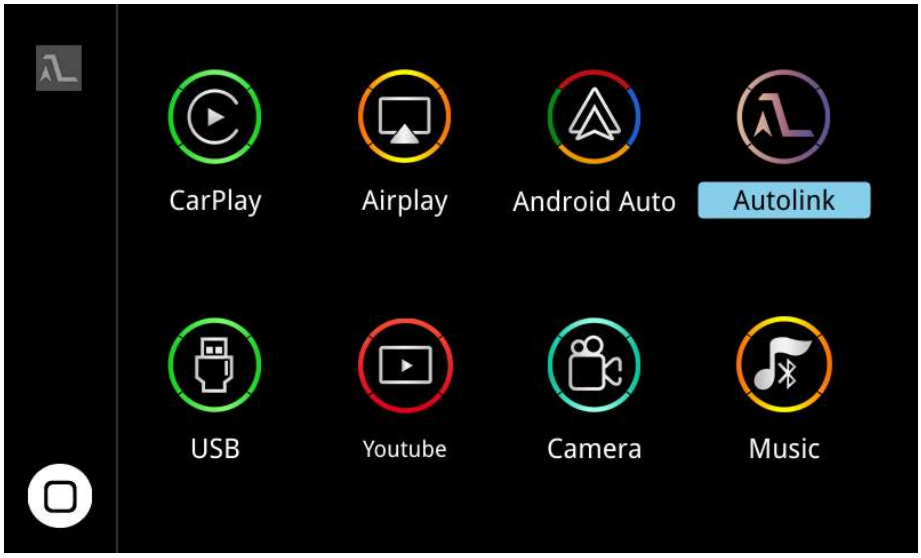
4.2.2 Pair the Phone Bluetooth to the OEM Audi Bluetooth

4.2.3 After the phone Bluetooth is paired successfully, Keep the original OEM Lexus system into Bluetooth audio page, and long press “MENU” button from the joystick or touchpad controller to enter into the CarPlay decoder interface and enjoy the CarPlay/Android auto.





The CarPlay decoder main interface



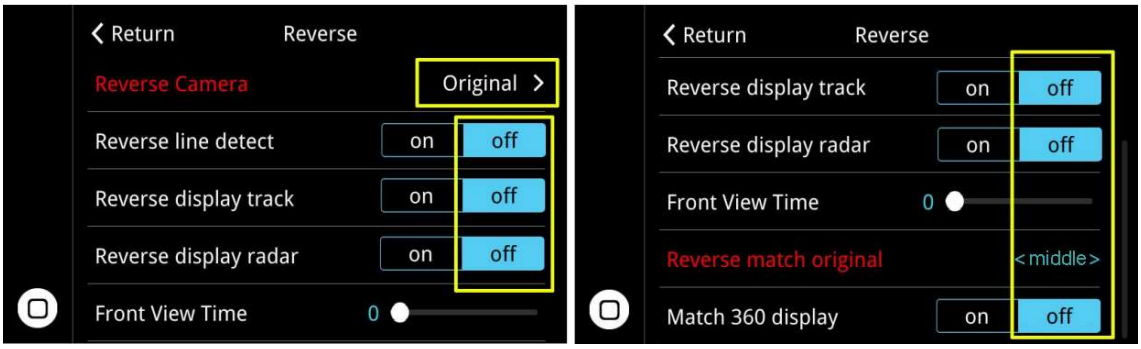
5. Original Camera

Original rear camera and 360 surround view camera setting

A) Click the “Setup” icon from the decoder main menu, choose “Reverse”, then set the reverse camera into “Original”.

B) The “Reverse line detect”, the “Reverse display track” and the “Reverse display radar” are set to “off”.

C) The “Match 360 display” set to “off ”.



6. Screen Power Cable Connection

6.1 When need to connect the screen power cable?

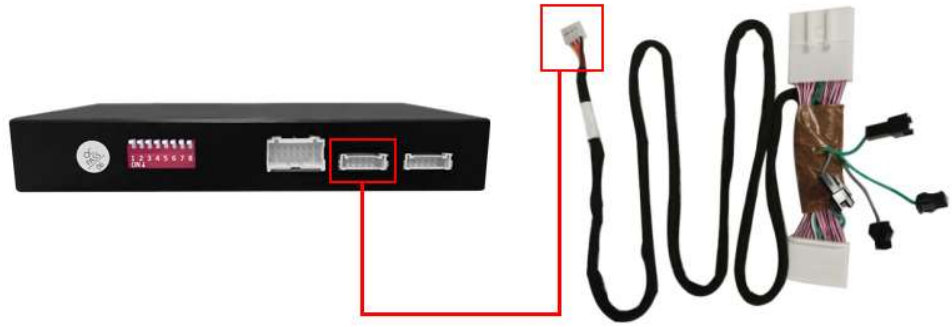
Default way is don’t need to connect the screen power cable.

But when you meet the problems as below, you need to connect the screen power cable:

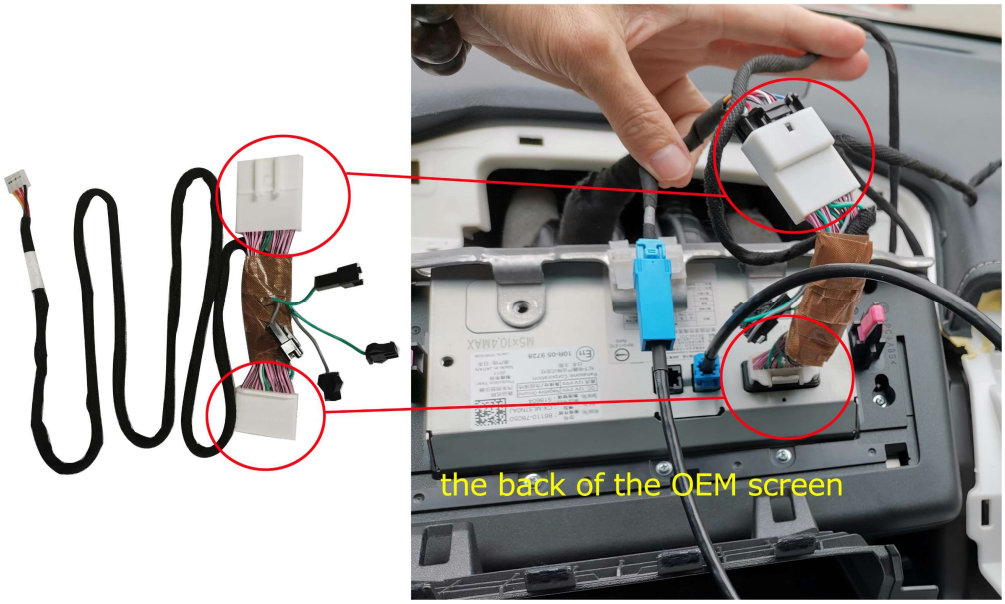
After install the CarPlay decoder box, if the screen flickers intermittently (Interval time is about 10 to 20 seconds or more) or the OEM camera doesn’t work properly (the camera don’t work in the CarPlay interface, or black screen when in reverse, or black screen after reverse， etc.), you need to connect the screen power cable.

6.2 Steps on connecting the screen power cable

Step 1: Screen power cable connection chart

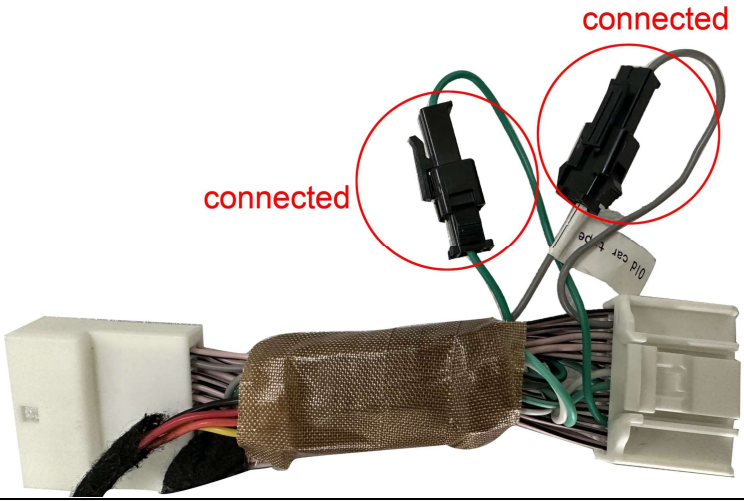


Step 2: You need to unplug the OEM screen power cable at the back the OEM screen, then connect this screen power cable to the OEM screen and the original screen power male cable.



Step 3: connect the small jack of green color wires

connect the small jack of gray color wires

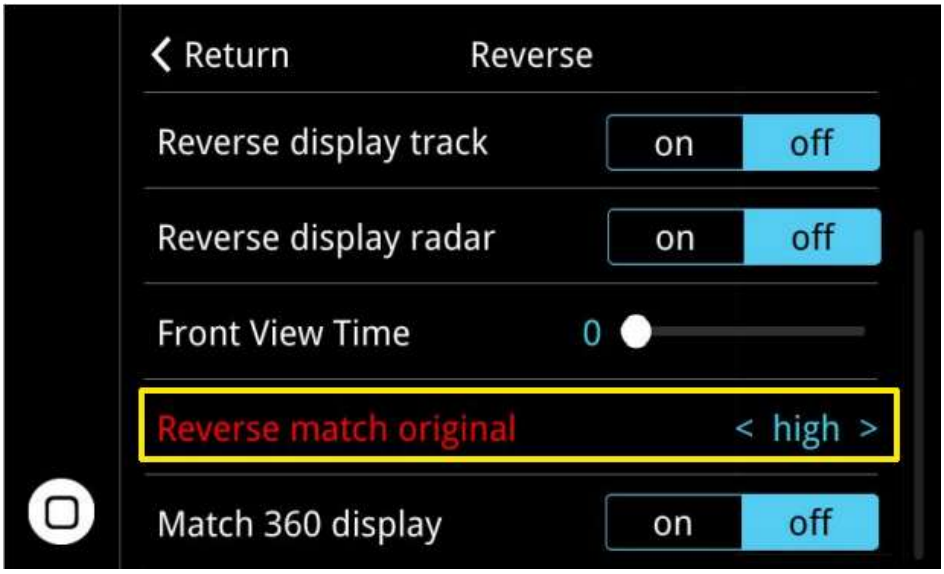


6.3 Solution for the screen flickering intermittently

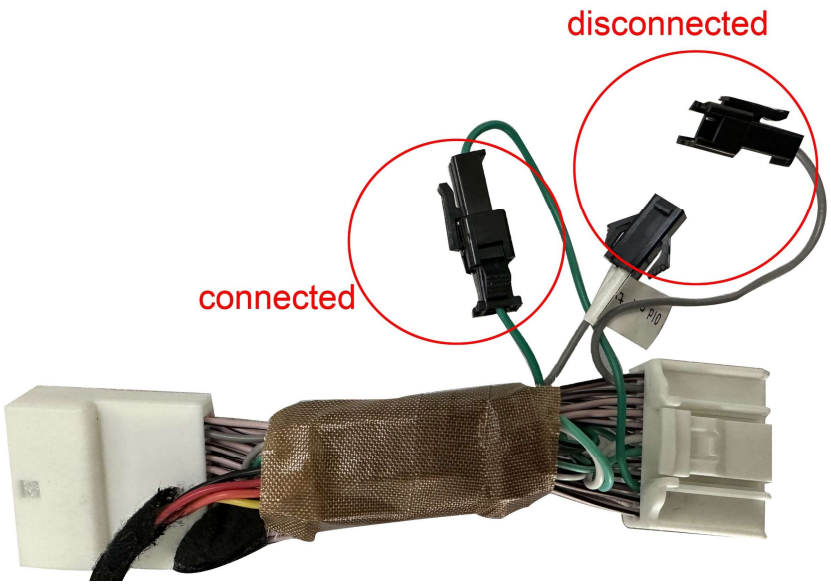
After install the CarPlay decoder box, if the screen flickers intermittently (Interval time is about 10 to 20 seconds or more), please follow the steps below to solve the problem.

Step 1: connect the screen power cable as showed in previous page.

Step 2: enter the "Setup" menu from the decoder main menu, choose "Reverse", and set the "Reverse match original" in to "high", "middle" or "general", test it one by one, and you need to restart the engine after changing the setting each time.



Step 3: After the Step 2 finished, if the screen still flickers intermittently, please disconnect the small jack with gray color wires and restart the engine.

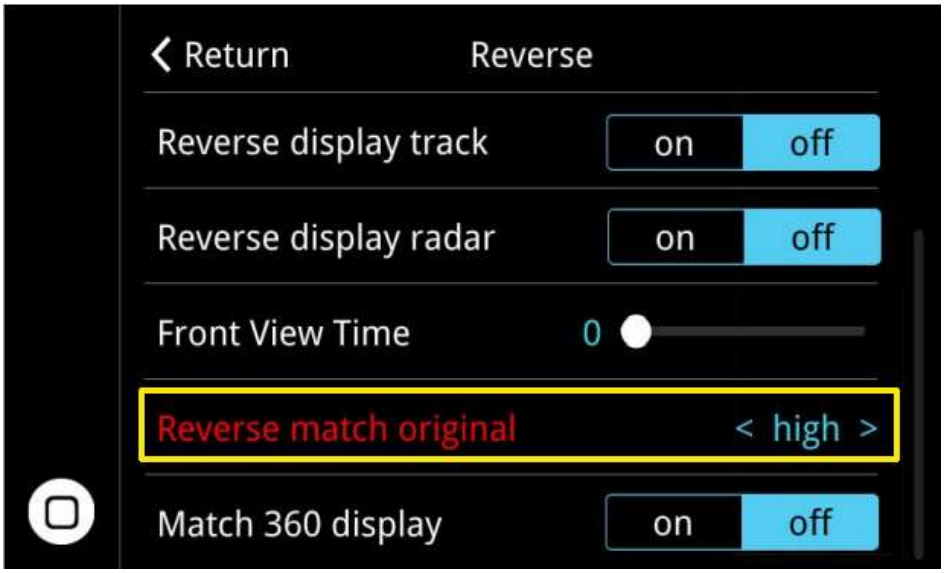


6.4 Solution for the OEM camera working wrong

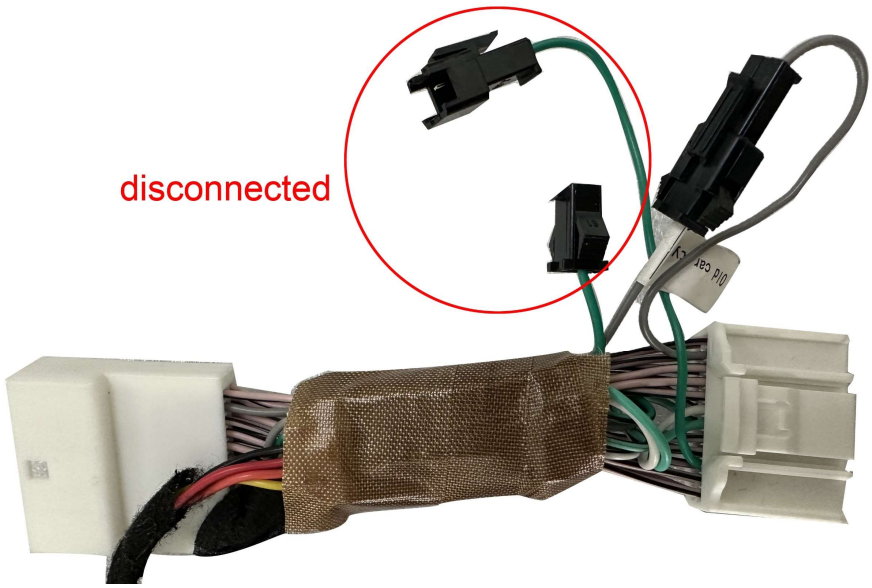
After install the CarPlay decoder box, if the OEM camera doesn't work properly (the camera doesn't work in the CarPlay interface, or black screen when in reverse, or black screen after reverse, etc.), please follow the steps below to solve the problem.

Step 1: connect the screen power cable as showed in page 18.

Step 2: enter the "Setup" menu from the decoder main menu, choose "Reverse", and set the "Reverse match original" in to "high", "middle" or "general", test it one by one, and you need to restart the engine after changing the setting each time.



Step 3: After the Step 2 finished, if the OEM camera still work incorrectly, please disconnect the small jack with green color wires and restart the engine.



7. Joystick Extension Cable Connection

7.1 When need to connect the Joystick extension cable?

Default way is don't need to connect the joystick extension cable.

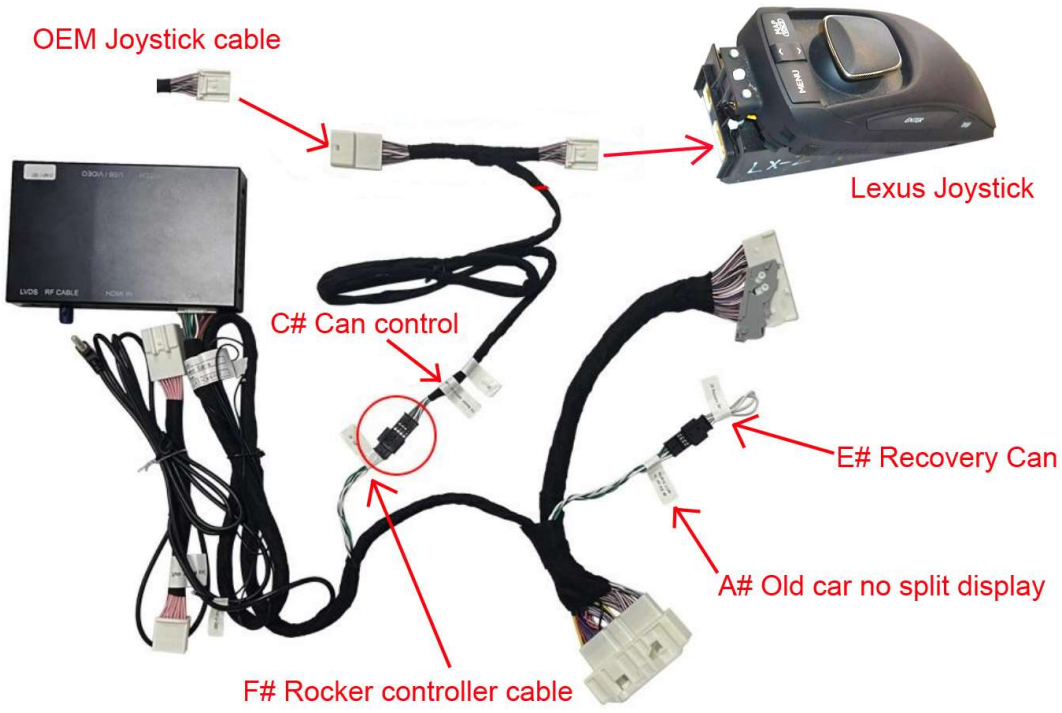
But when you meet the problems as below, you need to connect the joystick extension cable:

1) For Lexus cars with Joystick version, after all the cables connected, when you control the CarPlay or Android Auto function with the joystick mouse, it also controls the Lexus OEM system at the same time.

2) For Lexus cars with Joystick version, after all the cables connected, the joystick doesn't work.

7.2 Steps on connecting the joystick extension cable

Step 1: Screen power cable connection chart



Step 2: Reset the toggle switch

You need to reset the toggle switch after install the joystick extension cable. The code 1 in the toggle switch is for the joystick extension cable. You need to set the code 1 into "ON" based on the previous setup.
Below are the detail toggle switch setups after install the joystick extension cable.

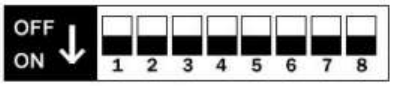
For Lexus cars joystick version with 7“ or 8” display screen

Display screen is 7" or 8"

dial setup 1



Smart Link System



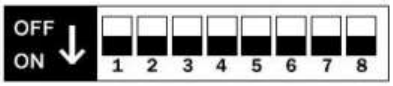
	1	2	3	4	5	6	7	8
Off			✓	✓	✓	✓	✓	✓
On	✓	✓						



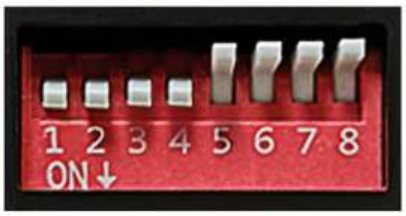
dial setup 2



Smart Link System



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

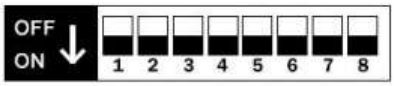


Tip: when change the toggle switch setup, you need to restart the car engine.

When change the toggle switch setup, you need to restart the engine, please do follow the detail steps on how to change the toggle switch on the page 3.

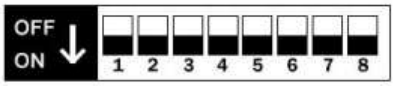
For Lexus cars joystick version with 10.3“ or 12.3” display screen

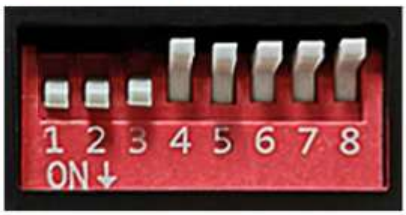
<table>
<tr><th colspan="2">Display screen is 10.3" or 12.3"</th></tr>
<tr><td>dial setup 1

</td><td>Smart Link System


<table>
<tr><th></th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th></tr>
<tr><td>Off</td><td></td><td></td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>On</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td><td></td><td></td><td></td></tr>
</table>

</td></tr>
<tr><td>dial setup 2

</td><td>Smart Link System


<table>
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<tr><td>Off</td><td></td><td></td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>On</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr>
</table>

</td></tr>
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</table>

When change the toggle switch setup, you need to restart the engine, please do follow the detail steps on how to change the toggle switch on the page 3.

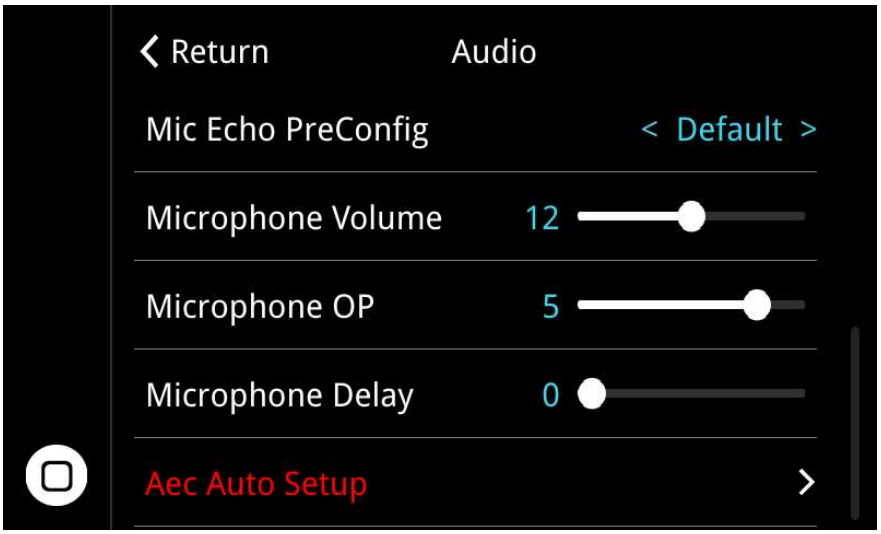
8 FAQ

Questions 1: Echo sound during the call

Solution

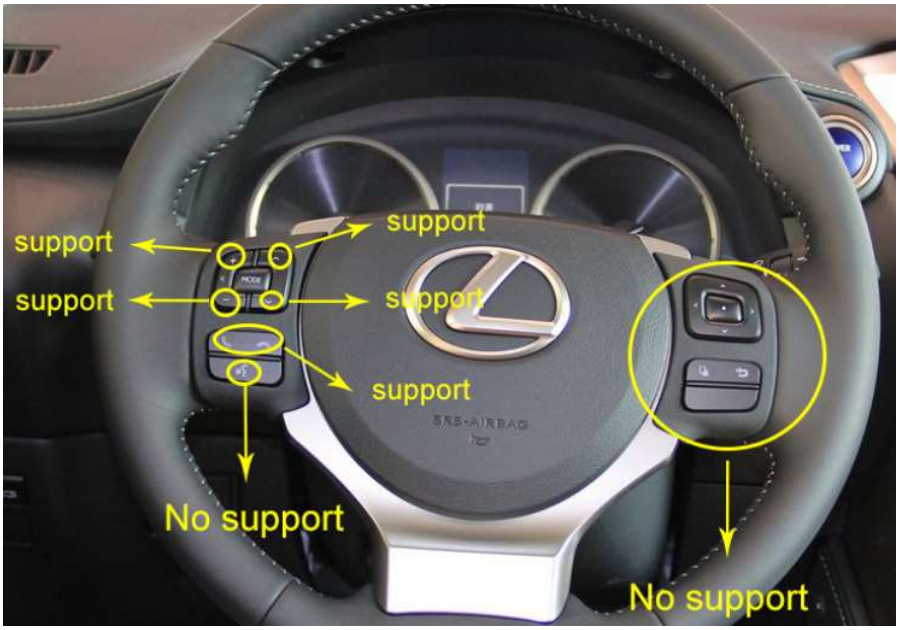
1) in the Audio setting, set the “Mic Echo PreConfig“ into “Default”,“IS” OR “lx570” , then restart the engine.

2) in the Audio setting, choose Aec Auto Setup to adjust the “Mic Echo PreConfig” Automatically.



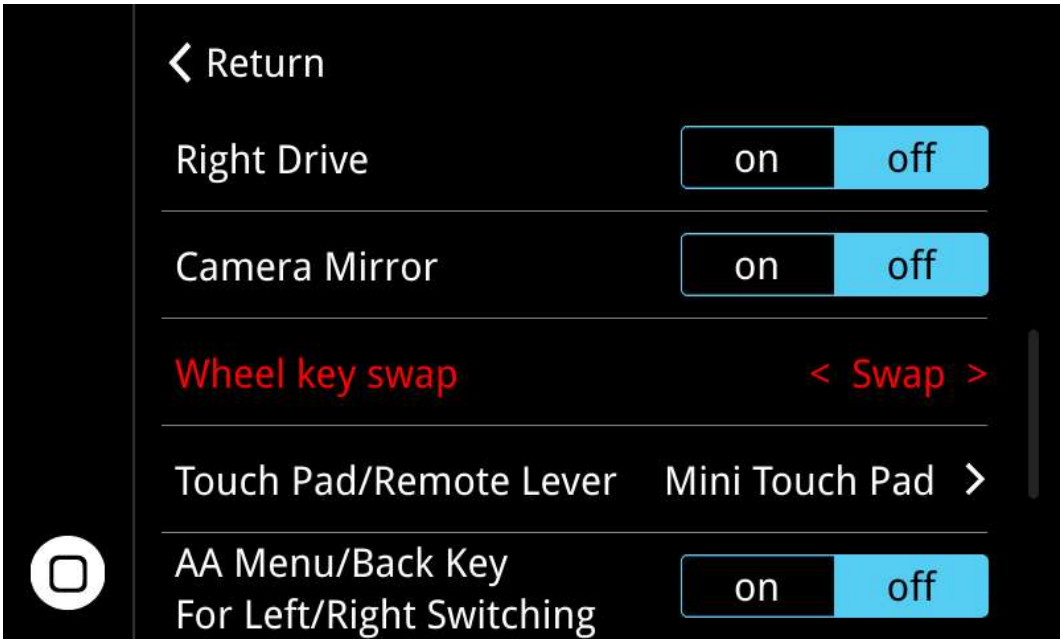
Questions 2: Steering wheel control buttons

Solution: for the steering wheel control buttons, the CarPlay interface decoder box support ,Tel button, voice “+” and “-“ buttons, the other buttons are not supported.



Questions 3: The buttons on steering wheel can't work. for example, The buttons on steering wheel don't allow to change song or answer phone

Solution: in the setting, set the “Wheel key swap“ into “Invalid”, “Swap” OR “No swap” , then restart the engine.



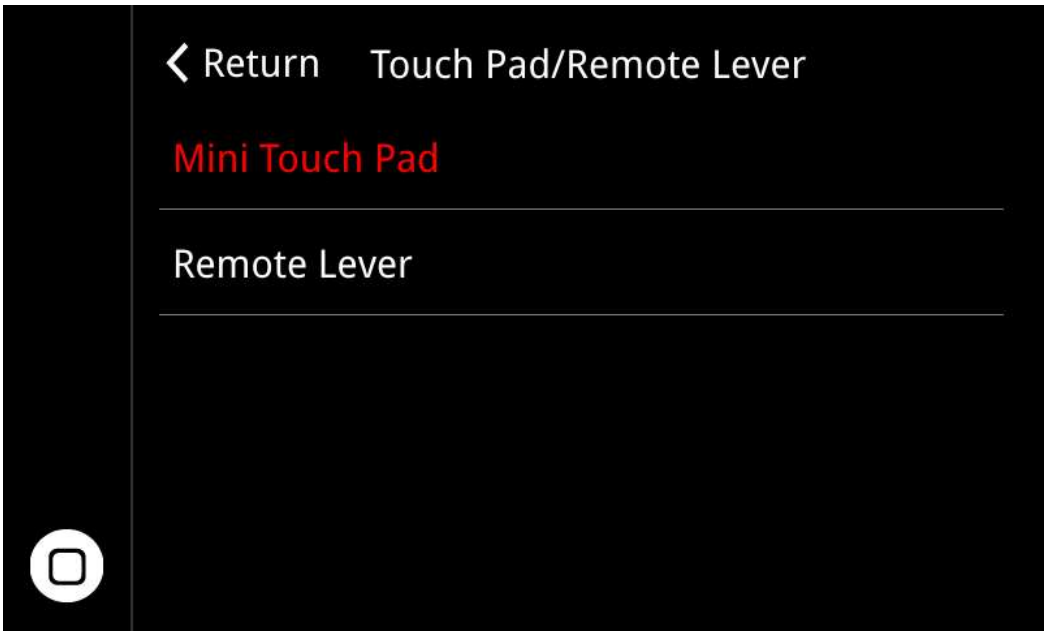
Questions 4: Siri function activation

Solution: Long press confirm button to activate the Siri function



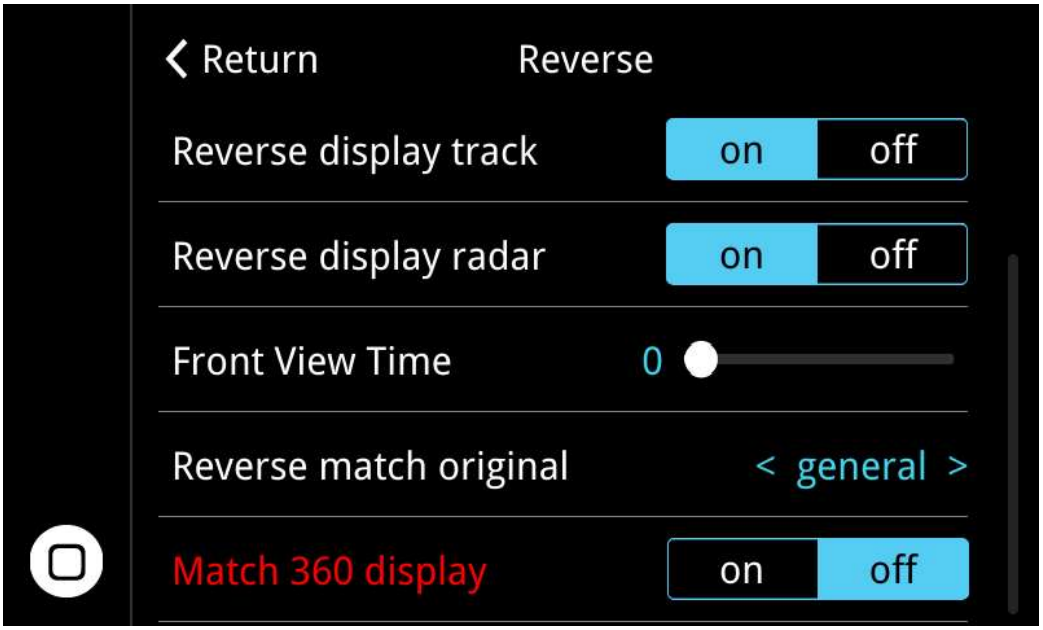
Questions 5: The control of the joystick mouse and touchpad is a bit hard to use in the CarPlay or Android Auto function.

Solution: Change the setting of touch pad/Remote Lever and on the Carplay decoder interface, please control the joystick or small touchpad via left and right.
A) With Joystick, set to Remote lever.
B) With Small touchpad, set to Mini TouchPad .



Questions 6: When turning on the left or the right turn signals in the CarPlay decoder interface, the screen will switch back to the original OEM system

Solution: in the reverse setting, set the "Match 360 display" into "off"



9. 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.)

