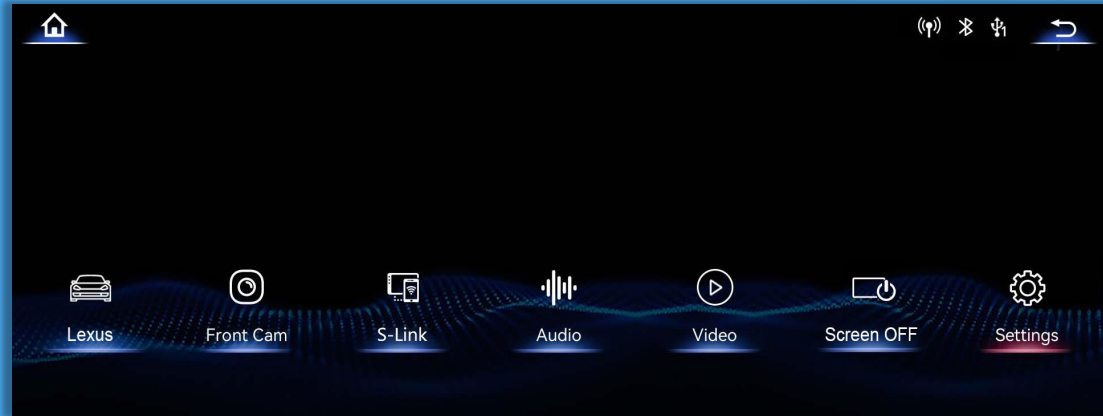


LEXION LX10S for LEXUS RX 4th Generation INSTALLATION GUIDE



- 1. Package Contents / Tools Required**
- 2. Wiring Diagram**
- 3. Mounting Metal Bracket**
- 4. Vehicle Compatibility Setting**
- 5. BAckup Camera Setting**
- 6. Initial Wireless Carplay Setup**
- 7. Troubleshooting**

Package Contents



1. Main Harness
 2. Plastic Trim
 3. Plastic back cover
 4. OEM Backup Cam Connector
- * Optional : 360AVM adapter

Tools Required



10mm
T-handle socket Wrench

Or



10mm Power Tool Socket
(Extension bar is required)



Phillips Screwdriver



Trim Removal Tool



Wire Harness Tape

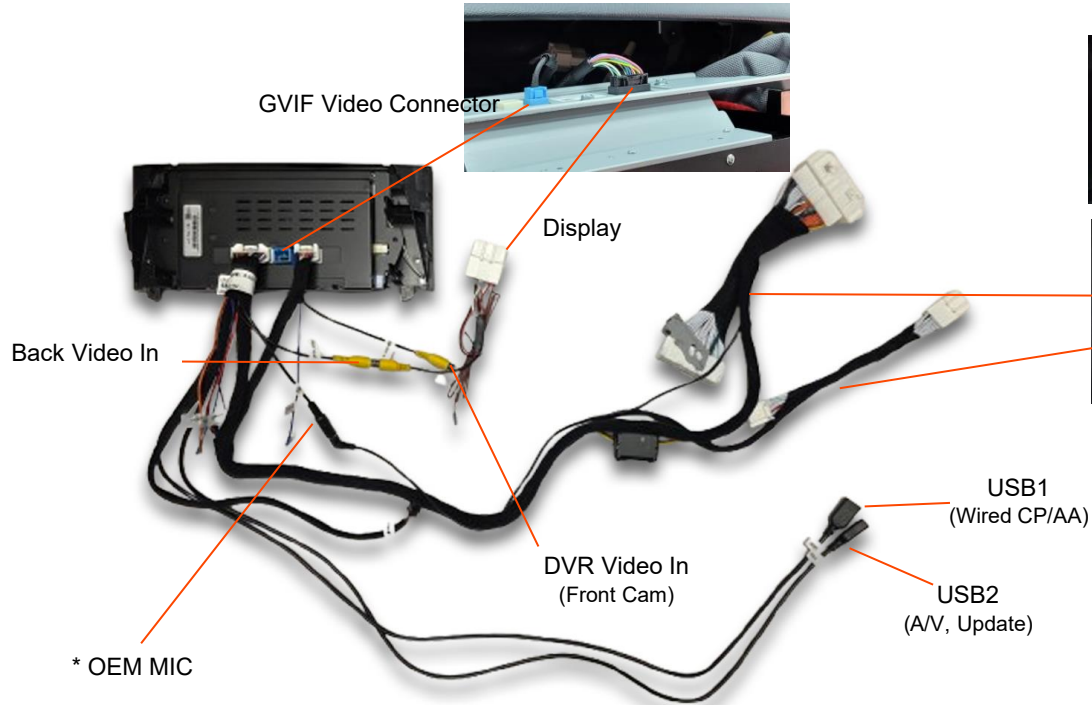


Protection Blanket

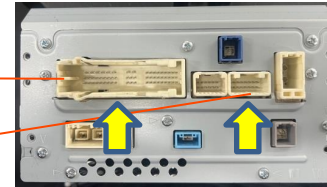


Safety Gloves

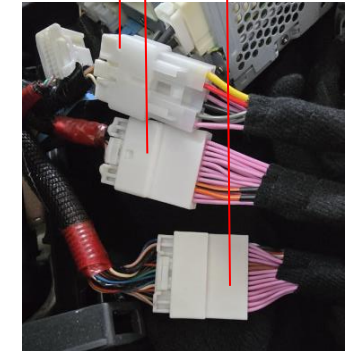
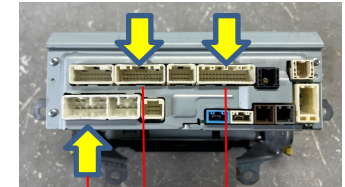
Wiring Diagram



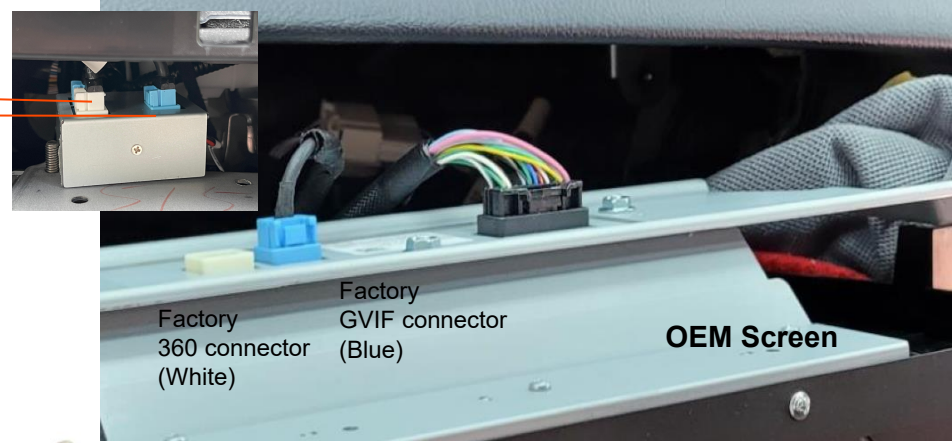
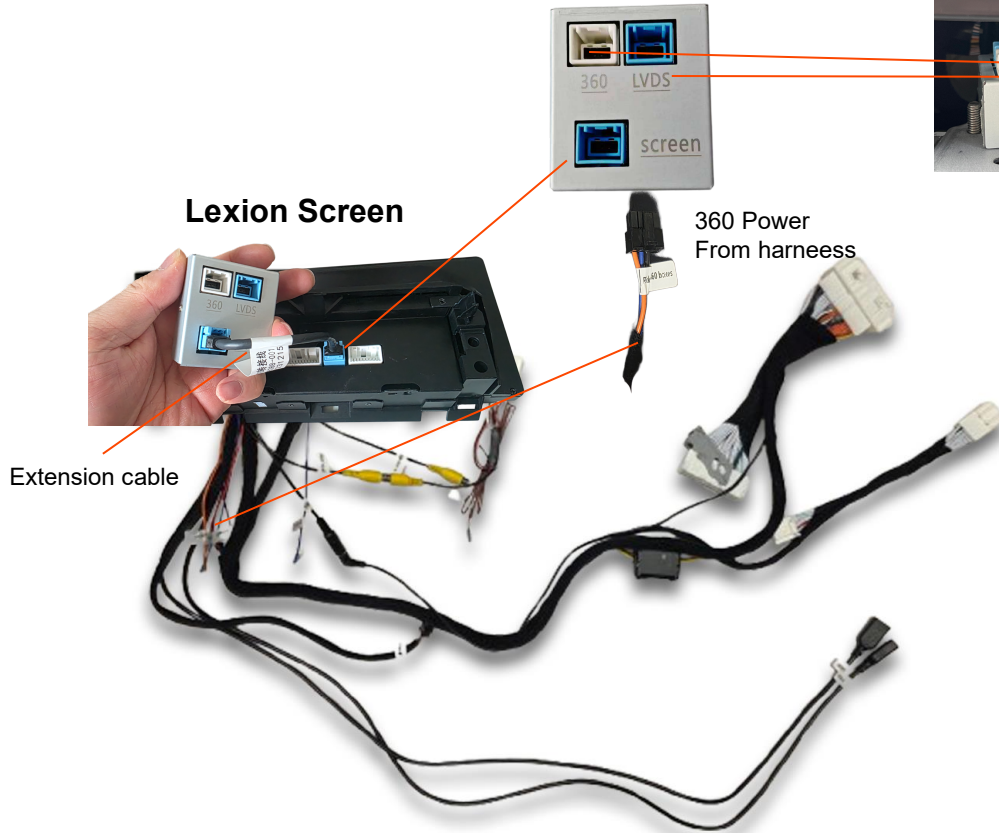
Radio Jog mouse/Trackpad



Radio Rotary Knob



Factory 360 AVM Wiring Diagram

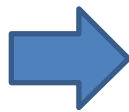
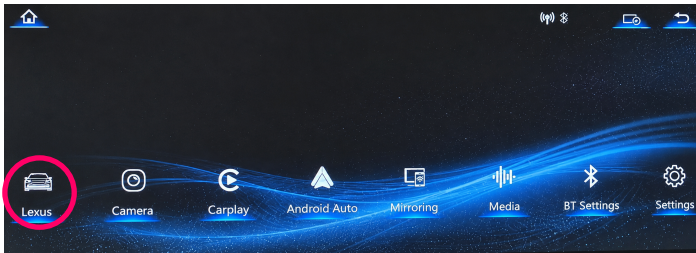


NOTE

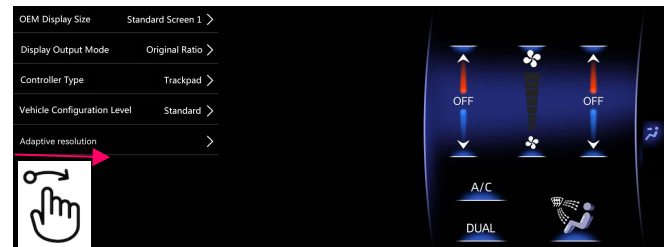
Connect the adapter as shown in the diagram, plug the power connector into the module, and then carefully tuck the module into the space behind the dashboard.

Vehicle Compatibility Setting

1. Click Lexus icon to switch the OEM menu



2. Swipe your finger from the left side of the monitor to the right to open the hidden menu



NOTE

1. When accessing the hidden menu, it may become more difficult if the plastic cover is already installed, so please make sure to perform this setting before assembling the plastic cover.
2. After changing the settings, be sure to **unplug and reconnect the power cable, or turn off the ignition, lock the doors, and wait for 1–2 minutes before turning it back on.** This ensures that the new settings are properly applied.

IMPORTANT

This setting is linked to the vehicle's CANBUS system. Incorrect selection may cause display or controller malfunctions.

After changing it, disconnect the power connector behind the OEM radio (not the screen), wait 30 seconds, then reconnect to apply the new setting.

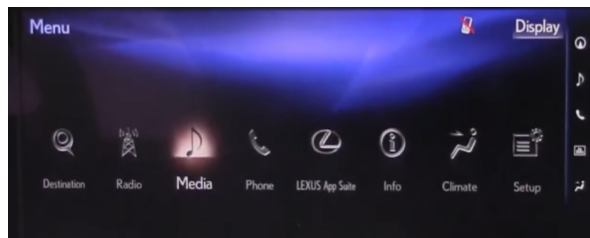
Vehicle Compatibility Setting (Based on RX model options)

**RX 2015~2018 OEM 8inch Screen
(Jog mouse type controller)**



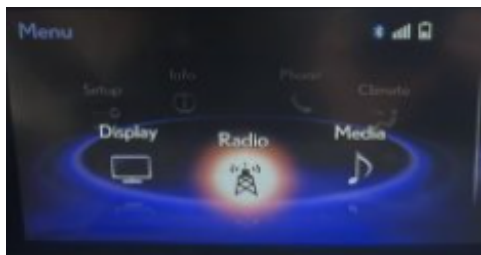
OEM Display Size	Standard Screen 1 >
Display Output Mode	Original Ratio >
Controller Type	GS Cursor >
Vehicle Configuration Level	Standard >
Adaptive resolution	>

**RX 2015~2018 OEM 12.3inch Screen
(Jog mouse type controller)**



OEM Display Size	Wide Screen(12.3) >
Display Output Mode	Full Screen >
Controller Type	LX Jog Mous >
Vehicle Configuration Level	High >
Adaptive resolution	>

**RX 2015~2018 OEM 8inch screen
(Knob type controller)**



OEM Display Size	Standard Screen 1 >
Display Output Mode	Original Ratio >
Controller Type	Knob >
Vehicle Configuration Level	Standard >
Adaptive resolution	>

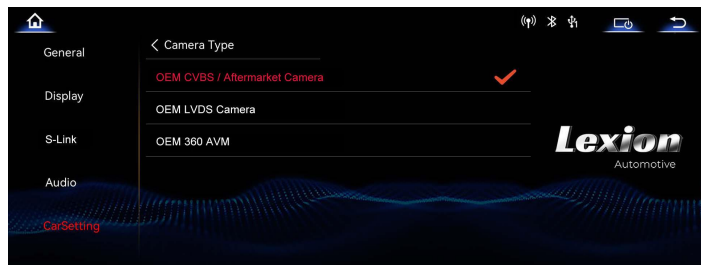
**RX 2015~2018 OEM 12.3inch Screen
(Jog mouse type controller+ OEM 360 camera)**



OEM Display Size	Wide Screen(12.3) >
Display Output Mode	Full Screen >
Controller Type	Jog Mouse (360AVM) >
Vehicle Configuration Level	High >
Adaptive resolution	>

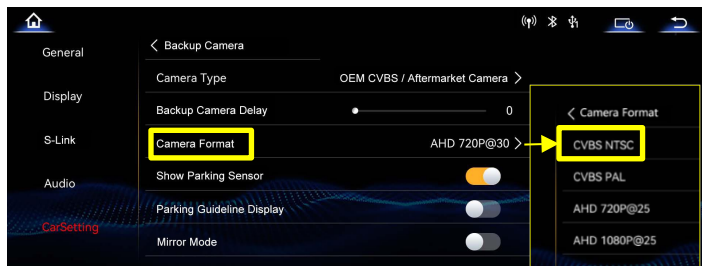
OEM Backup Camera Setting

1. The factory backup camera uses a CVBS video signal. Therefore, please select OEM CVBS / Aftermarket Camera



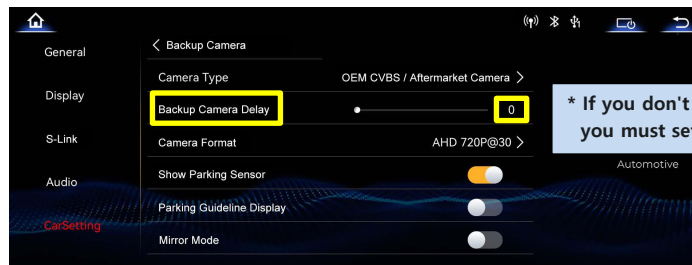
NOTE: Even with the same model and year, some Lexus use an LVDS backup camera. If you select CVBS Camera but backup camera doesn't appear, Please select OEM LVDS and OEM 360 AVM camera instead.

2. Please select CVBS NTSC from the "Camera Format" options.



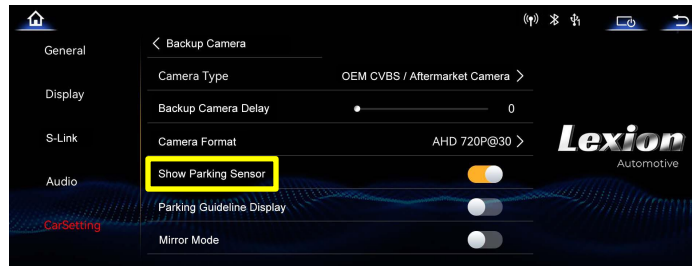
3. Backup Camera Delay

This setting is only for users who have installed an additional front camera. It refers to the duration the front view is maintained after automatically switching from the backup camera to the front camera when you shift from reverse (R) to drive (D).



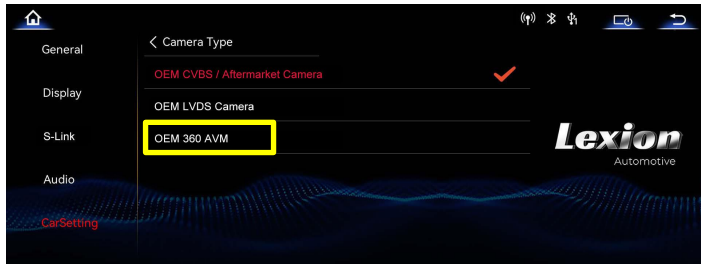
4. When you turn on the parking sensor, the parking sensor display appears next to the factory backup camera view.

If you turn this off, the factory backup camera view will be stretched.

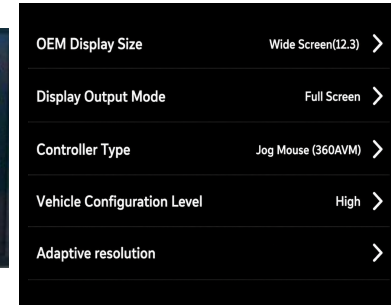


OEM 360 AVM Camera Setting

1. Please select OEM 360 AVM

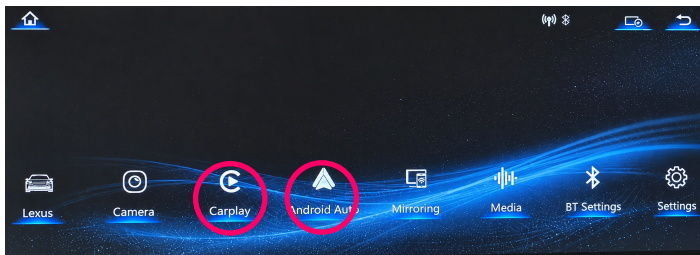


2. Set controller type "Jog mouse(360AVM)" in Hidden menu



Wireless Carplay & Android Auto Setting

1. Click the Carplay or Android auto icon

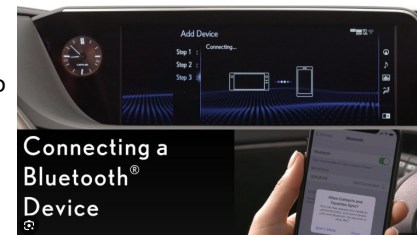


2. Turn on Bluetooth on your iPhone and pair it with BT-0000 (a 4-digit number). Once Bluetooth is paired, a pop-up will appear asking if you want to allow CarPlay or Android auto. Please press Allow and wait.

3. Audio Output Setup (Important)

Wireless CarPlay works by using two separate connections. When the LX10S monitor's Bluetooth connects, it receives video data wirelessly via Wi-Fi Direct. However, the audio is routed to the speakers through your vehicle's original Lexus Bluetooth system.

For this to work, you must pair your iPhone with your Lexus's factory Bluetooth and then select Bluetooth as the media source in your car's audio system. This is a one-time setup. After the initial connection, your phone will automatically connect to both the LX10S and your car's Bluetooth every time you start the car.



NOTE

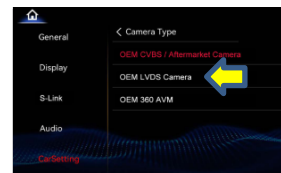
Once wireless CarPlay is connected, the Lexus monitor's "BT-0000" Bluetooth will automatically turn off. You can think of this Bluetooth connection as a trigger switch to activate wireless CarPlay, not for audio output. Remember that all audio will be played through your Lexus's native Bluetooth system.

Troubleshooting

1. OEM backup camera not functioning properly

Symptom 1. When shifting into reverse gear, the screen does not switch to the backup camera view

Most Lexus vehicles use the CVBS format for the OEM backup camera video signal, but some models use an LVDS signal instead. If you have selected CVBS but the OEM backup camera does not display properly, try selecting OEM LVDS in the backup camera settings menu.



Symptom 2. When the gear is shifted into reverse, the screen switches but only a black screen is displayed

Check that the rear camera RCA connector on the back of the display is correctly plugged into Back Video In. Also, make sure the camera connector is not accidentally plugged into DVR Video In, which is the same color.



2. OEM Screen Display Issues & Controller Malfunction

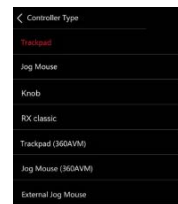
Symptom 1. The OEM screen has green bar or the image appears cropped.

Enter the Hidden Menu and change the OEM Display Size (Standard) or Display Output Mode (OEM Size) to match your vehicle's original screen specifications.



Symptom 2. The mouse cursor moves freely in the Lexion system, but in the OEM menu it does not move in a free-floating manner, or clicking any menu does not work.

Think of the controller selection as choosing your vehicle's CANBUS system. If an incorrect CANBUS is selected, the controller will not function properly in the OEM menu. After selecting the controller for your vehicle, be sure to disconnect the main power connector from the back of the radio and then reconnect it. This is necessary for the system to apply the CANBUS settings for the selected controller.



Troubleshooting

3. Audio Output Issue

Symptom 1. CarPlay is connected, but no sound is coming from the speakers.

Check if your iPhone is paired with the Lexus OEM Bluetooth.

The Lexion system uses the vehicle's OEM Bluetooth. For audio, the signal does not pass through the Lexion screen; instead, your iPhone connects directly to the vehicle's Bluetooth.

Symptom 2. The Lexion Bluetooth connects but keeps disconnecting repeatedly.

This is completely normal procedure. The Lexion Bluetooth functions as a **trigger switch** to activate wireless CarPlay.

Once it pairs with your iPhone, the system immediately switches to direct Wi-Fi communication for data transfer, and the Bluetooth connection will automatically turn off after a short period

Symptom 3. When using iPhone AirPlay or Galaxy Smart View mirroring, there is no audio output.

When mirroring, you must select AUX from the media source instead of the OEM Bluetooth for the sound to be output through the speakers.

4. Right-hand Drive (RHD) Setting

Symptom 1. Using a RHD vehicle and wondering if there is a dedicated setting for RHD operation


Enter the factory setting (Password 888888) and select RHD Mode and Right Temp Display



Need Assistance?

If you need any help, please feel free to contact me at any time.

Joon Kim

 WhatsApp: +82-10-5789-3831

 Email: info@lexionautomotive.com

