Lexion
ELECTRONICS

LEXION LX10S for LEXUS NX
INSTALLAION GUIDE



LEXION ELECTRONICS

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Package Contents



1. Main Harness
2. Plastic Trim
3. OEM Backup Cam Connector

* Optional : OEM 360AVM, Must need this Adapter

Tools Required



10mm Socket Wrench

Or



10mm Power Tool Socket



Phillips Screwdriver



Trim Removal Tool



Wire Harness Tape

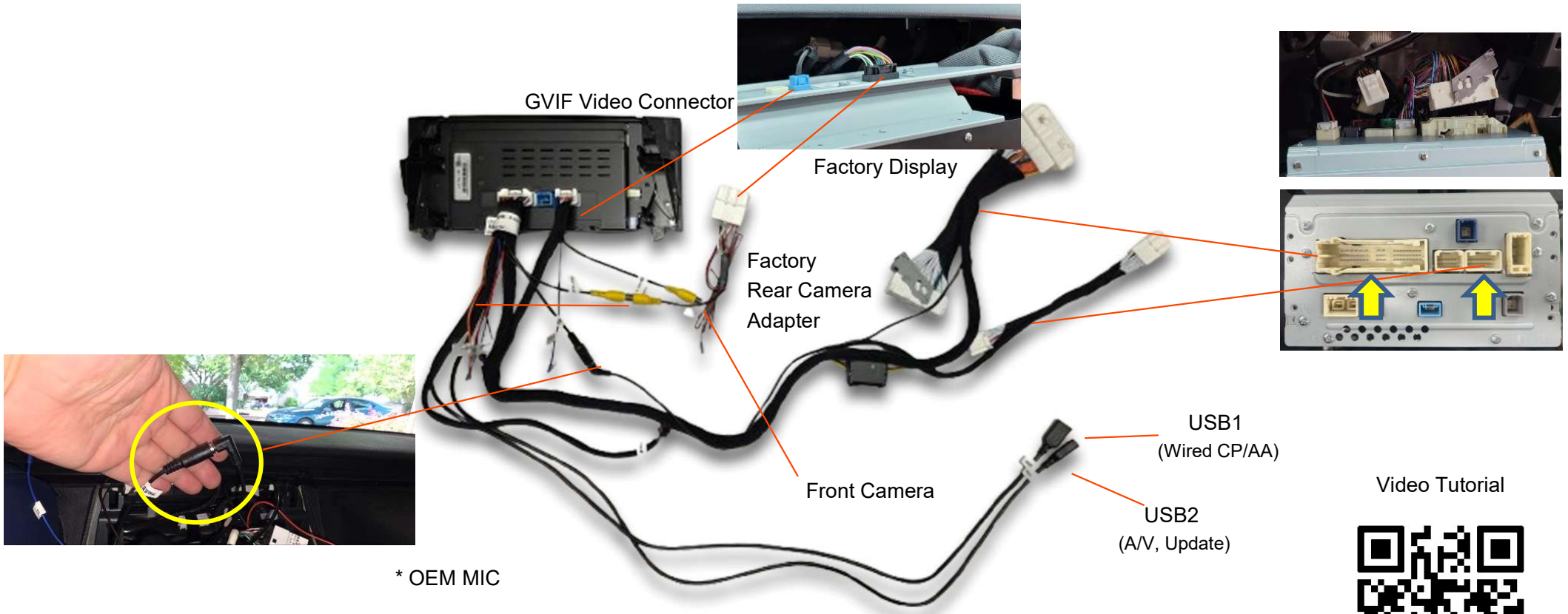


Protection Blanket



Safety Gloves

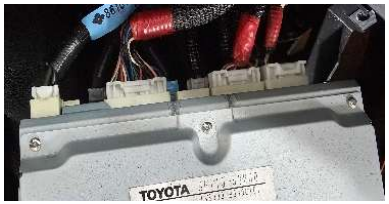
Wiring Diagram (Trackpad type Radio 2014~2017)

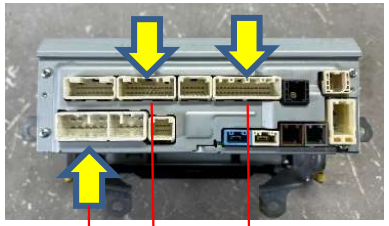


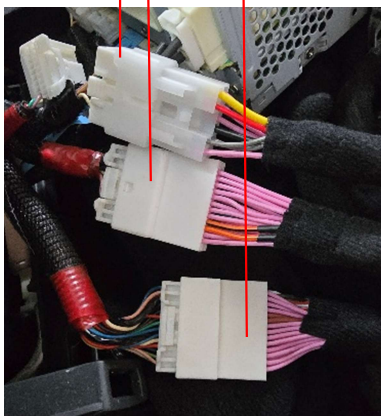
Video Tutorial

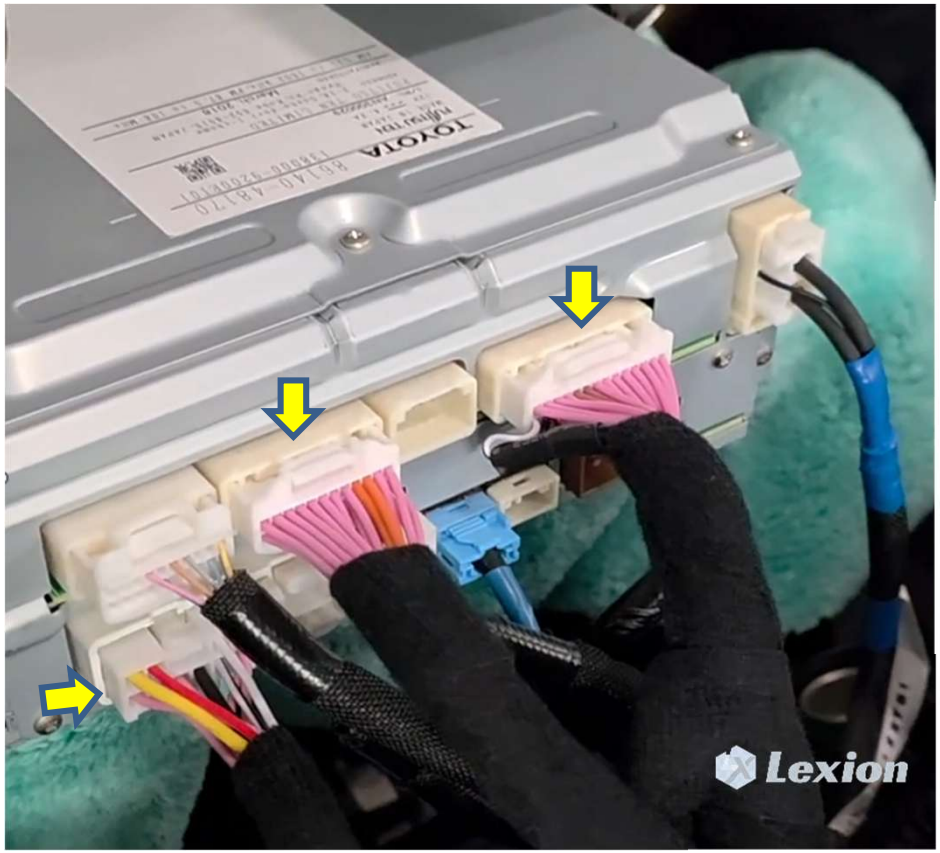
*** Both Android smartphones and iPhones use the vehicle's Bluetooth hands-free microphone for phone calls. However, for Android smartphone users, this microphone must be connected for the Google Assistant voice command on Android Auto to work. In short, this microphone connection is only necessary for Android smartphone users; iPhone users do not need to connect it.**

Wiring Diagram (Rotary Knob type Radio)





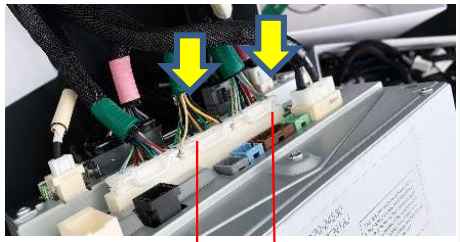


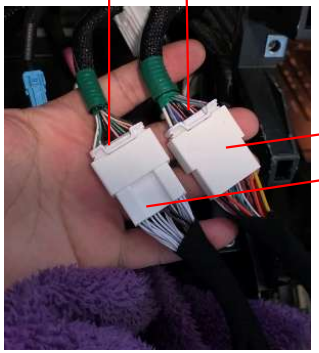




* Both Android smartphones and iPhones use the vehicle's Bluetooth hands-free microphone for phone calls. However, for Android smartphone users, this microphone must be connected for the Google Assistant voice command on Android Auto to work. In short, this microphone connection is only necessary for Android smartphone users; iPhone users do not need to connect it.

Wiring Diagram (Trackpad type Radio 2018~2022)





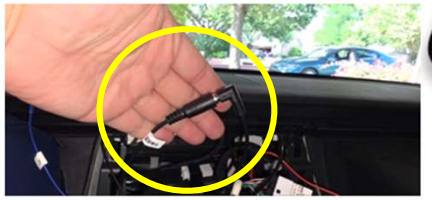




Factory GVIF Connector
(Behind the screen)



Use Lexion GVIF Adapter





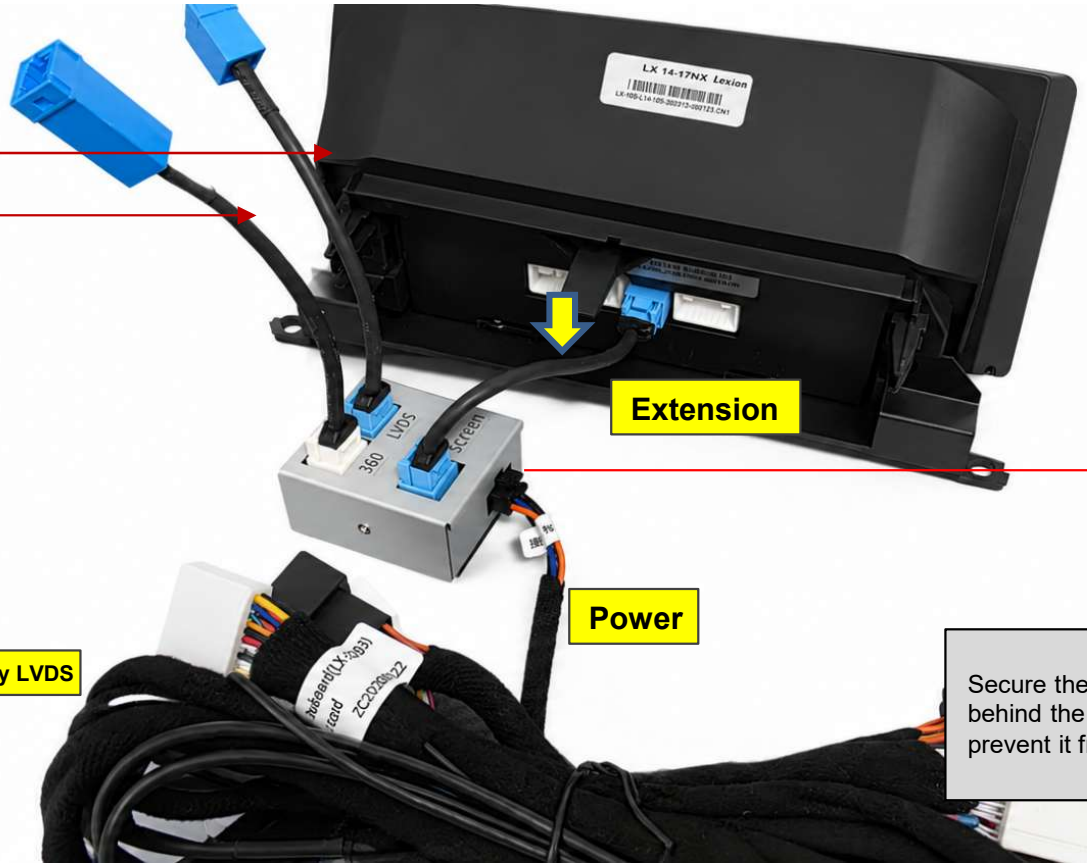


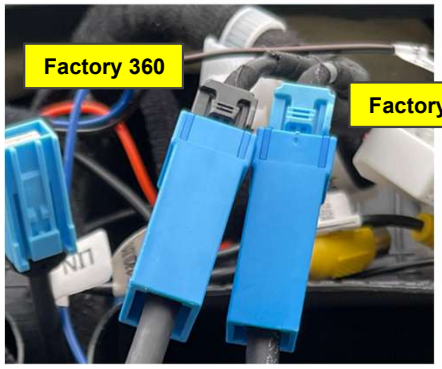
*The black connector is not used for this vehicle.
Please insulate it with electrical tape and secure it out of the way.

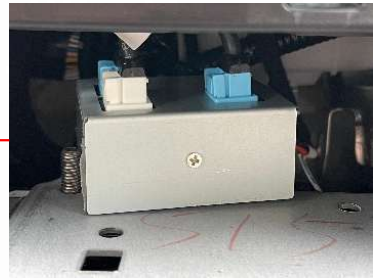
* Both Android smartphones and iPhones use the vehicle's Bluetooth hands-free microphone for phone calls. However, for Android smartphone users, this microphone must be connected for the Google Assistant voice command on Android Auto to work. In short, this microphone connection is only necessary for Android smartphone users; iPhone users do not need to connect it.

360 AVM Module (2018~ 2022)





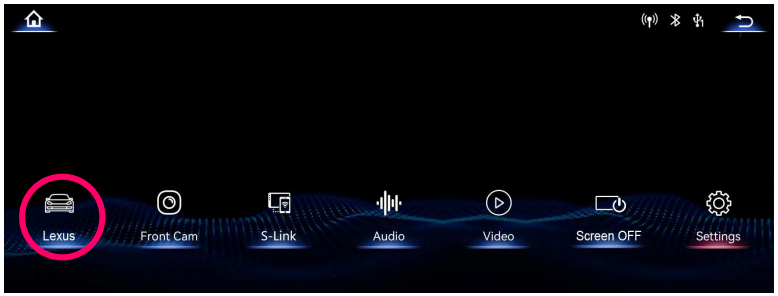




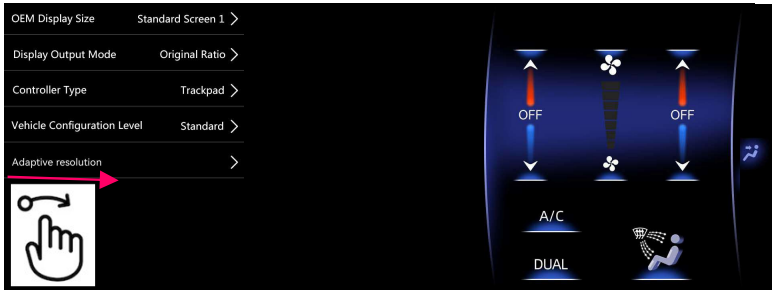
Secure the 360 AVM module in the empty space inside the dashboard behind the monitor using tape, double-sided tape, or cable ties to prevent it from moving or causing rattling noises.

Vehicle Compatibility Setting

1. Click Lexus icon to switch the OEM menu

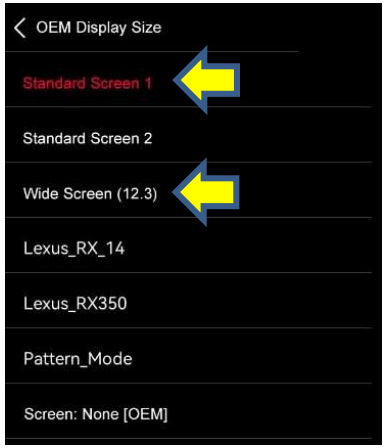


2.Swipe your finger from the left side of the monitor to the right to open the hidden menu

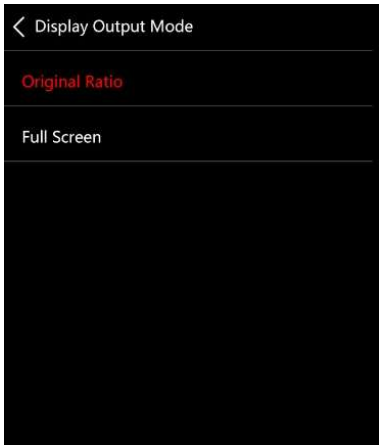


Video Tutorial

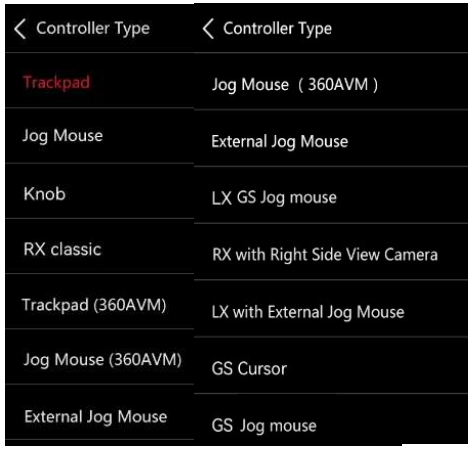
3. Select OEM display Size
   1) OEM display size is 7 inches, select Standard
   2) OEM display size is 10 inches, select Wide Screen



4. Display Output Mode
   Select whether to display the OEM screen in its original state or to stretch the screen



★ 5. Controller Type
   1) Trackpad type radio : Trackpad & Jog mouse
   2) Rotary Knob type radio : Knob

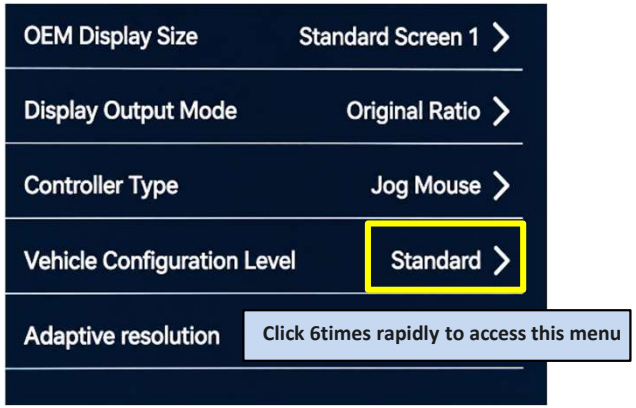


IMPORTANT

This setting is linked to the vehicle's CANBUS system.
Incorrect selection may cause display or controller malfunctions.
After changing it,
★ Restart the car

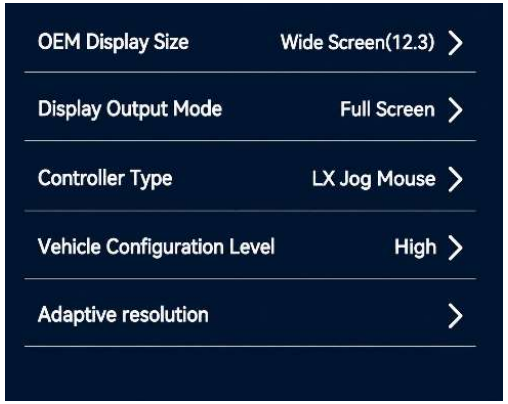
Vehicle Compatibility Setting

1. Lexus NX (2014~2017) Jog mouse



2. Lexus NX (2018~2022) Trackpad





3. Lexus NX (2014~2017) Rotary Knob

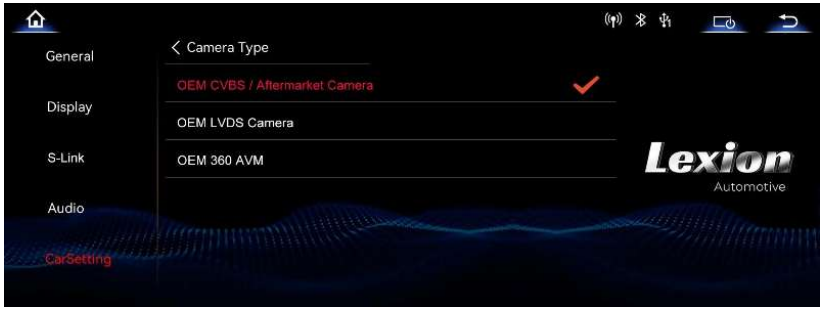


For 2018 ~ 2022 Lexus NX models, the factory display is 10.25 inches.
If the OEM Display Size and Display Output Mode are not set correctly,
the factory menu will be cropped,and the A/C display will remain permanently shown on the right side of the screen.Be sure to select the correct settings.

★After changing the settings, turn the vehicle off completely and then restart it for the changes to take effect

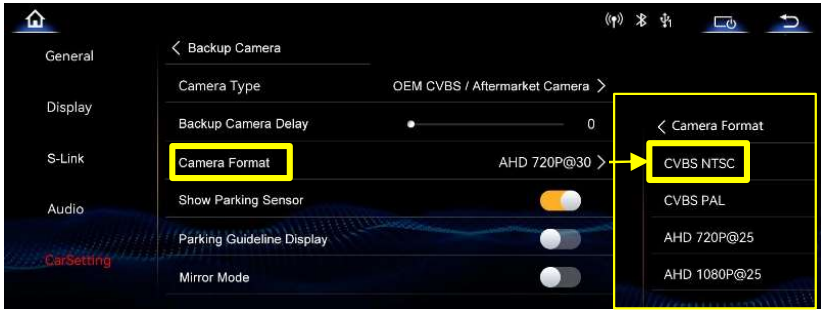
Factory Backup Camera Setting

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

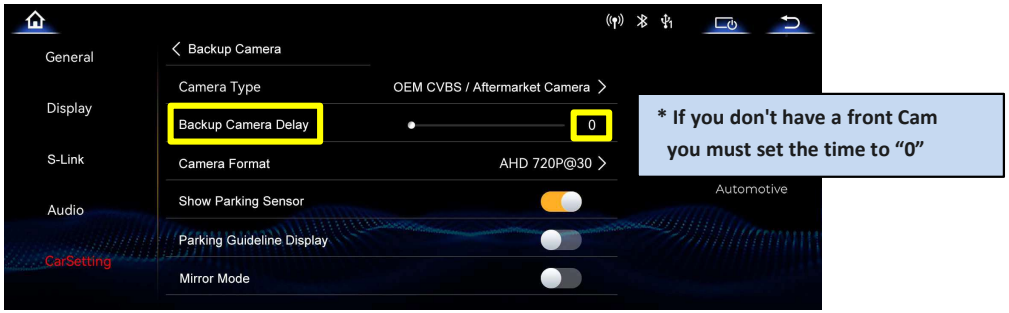


NOTE: Even with the same model and year, some Lexus use an LVDS backup camera. If you select CVBS Camera but backup camera doesn't appear, Please select OEM LVDS and OEM 360 AVM camera instead.

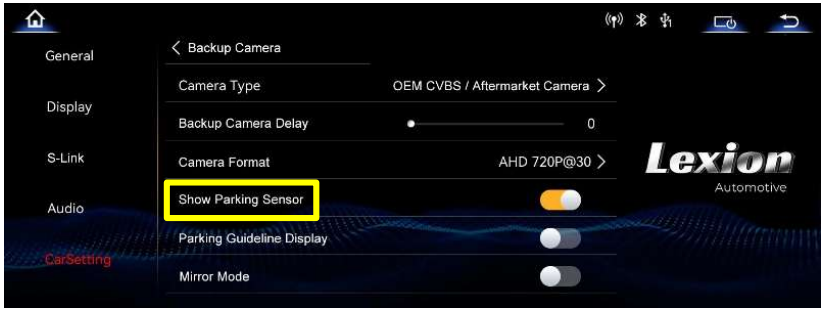
2. Please select CVBS NTSC from the "Camera Format" options.

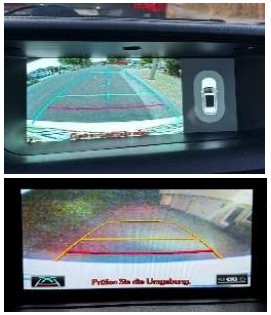


3. Backup Camera Delay
This setting is only for users who have installed an additional front camera.
It refers to the duration the front view is maintained after automatically switching from the backup camera to the front camera when you shift from reverse (R) to drive (D).



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.





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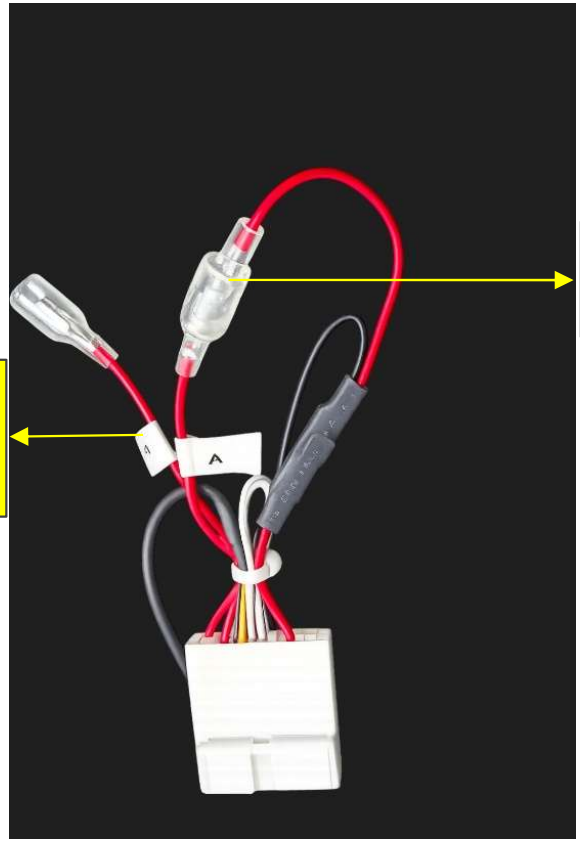
Factory Backup Camera Adapter

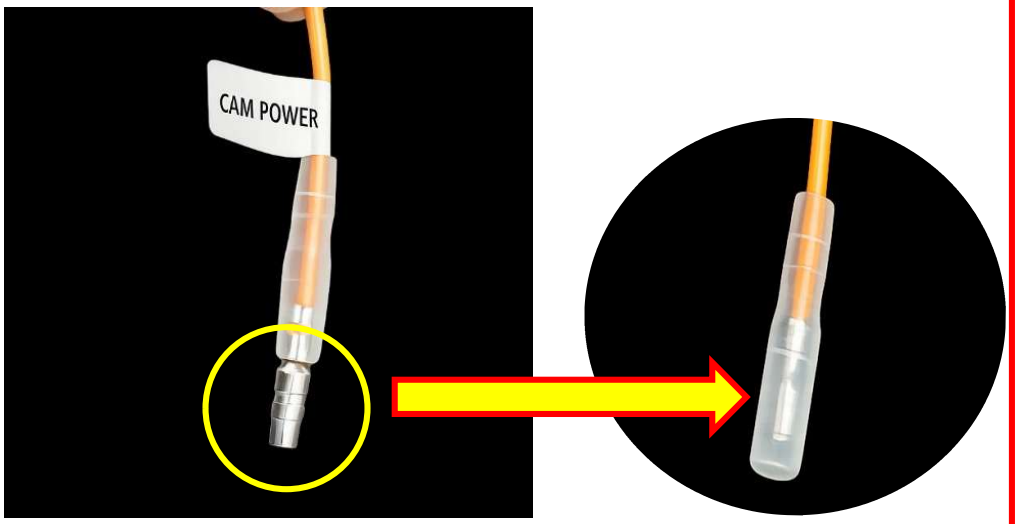


Connect the red wire to input A

B Input: For 2019~ Lexus models

The red wire on the OEM rear camera adapter is designed to connect to either Input A or Input B. It supplies power to the OEM rear camera. If it is not connected, the rear camera ima ge will not appear on the screen.

★ Caution



When an AHD camera is not connected, cover the exposed metal terminal of the orange CAM POWER wire on the main harness with the rubber sleeve, then secure it firmly with electrical tape to prevent a short circuit.

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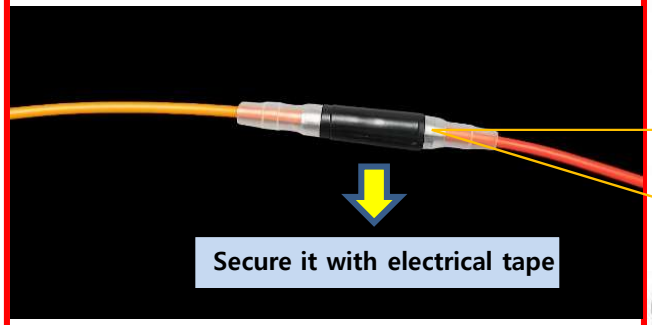
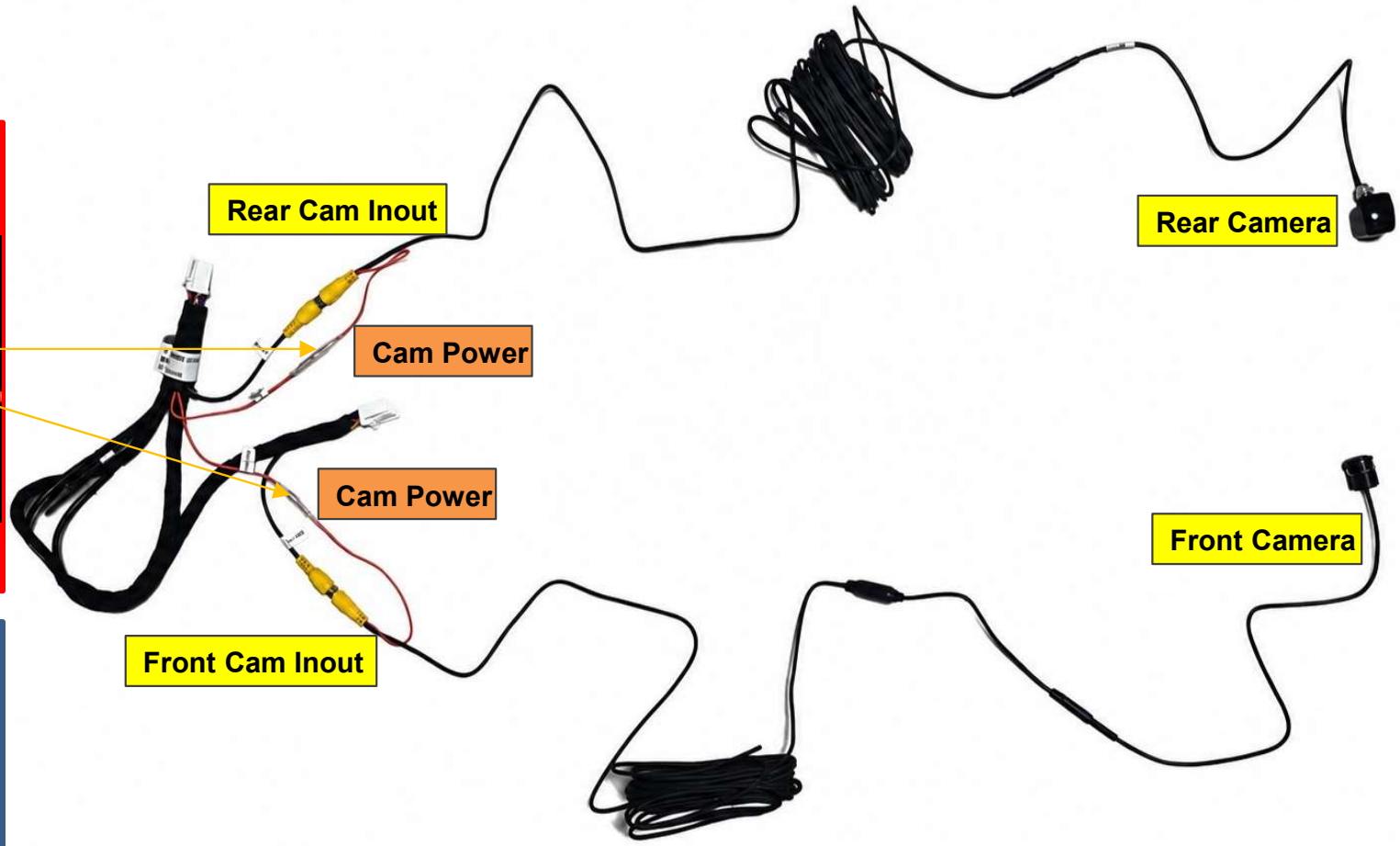
Wiring Diagram for AHD Camera

★ **Caution**

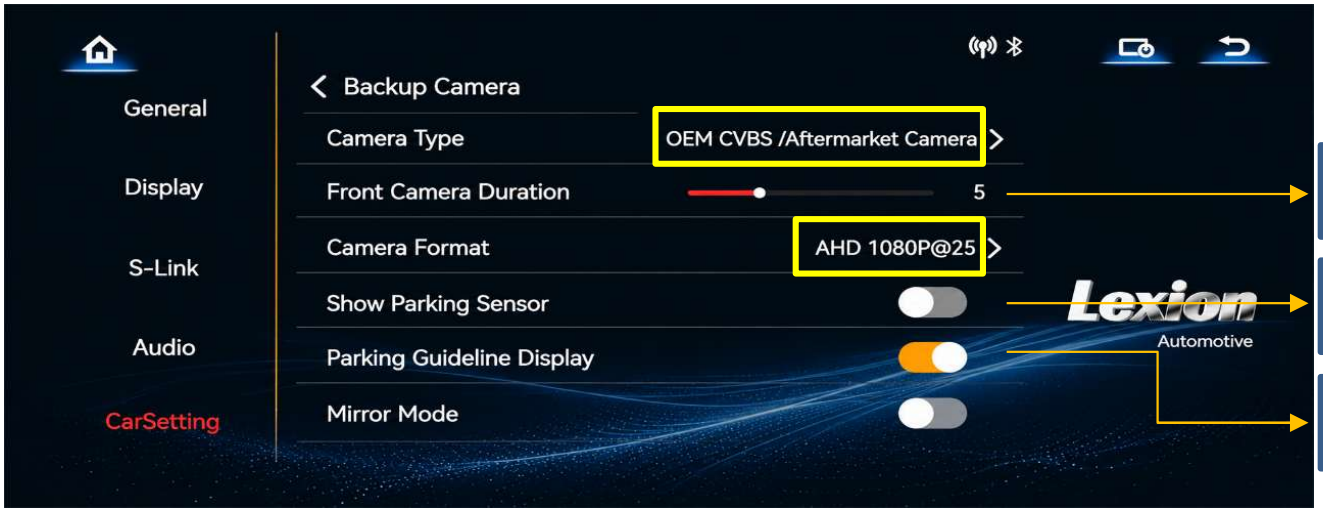


When connecting power to the orange wire of the AHD camera, make sure the rubber sleeve completely covers the metal terminal. Then secure it firmly with electrical tape to prevent the terminal from becoming exposed.



AHD Camera Setting

AHD cam Setup

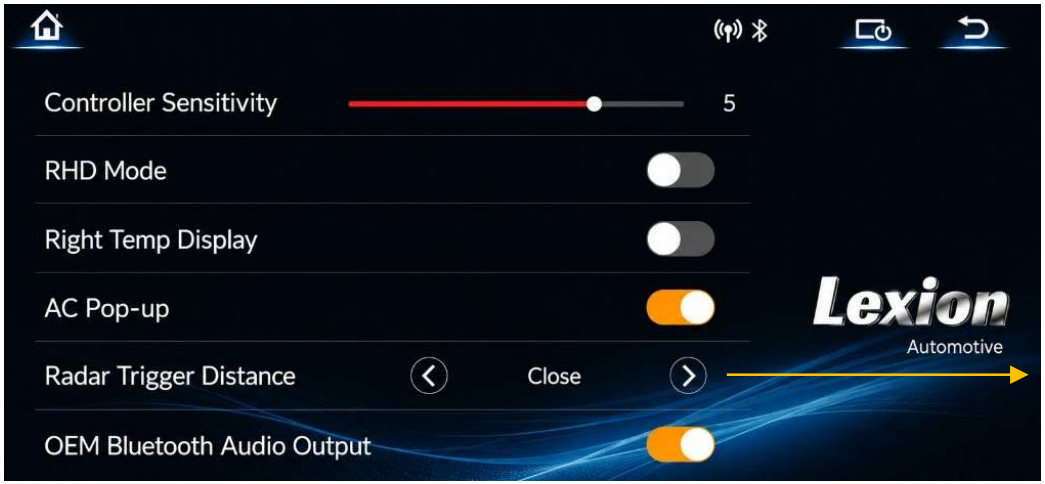


If a front camera is installed, set the **Front Camera Duration** to your preferred display time. If no front camera is installed, set it to **0 seconds**.

Turn this option **off** to display the camera view in full screen. Turn it **on** to display the camera view together with the parking radar.

When this option is enabled, dynamic parking guidelines will appear on the rear view. The guidelines will not be displayed on the front camera view.

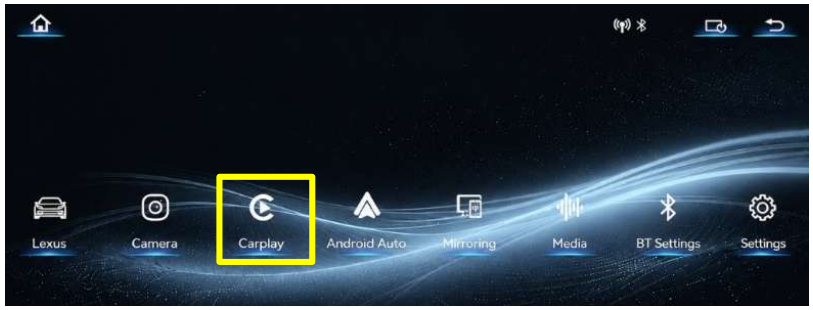
Factory setting (PW : 888888)



This feature automatically displays the front camera view when the front parking sensors detect an obstacle.
If a front camera is installed, set this option to **Far** or **Middle**. If no front camera is installed, set it to **Close**.

Initial Wireless Carplay Setup (*The same applies to Android Auto)

1. Click the Carplay and 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. Please press Allow and wait.

Carplay

Android Auto

Audio Setting

★3. Audio Output Setting

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.



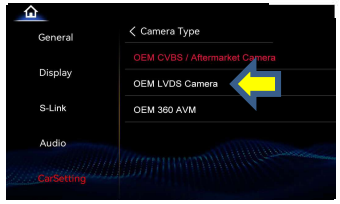
NOTE: Once wireless CarPlay is connected, the Lexion monitor's "BT-0000" Bluetooth will automatically turn off. You can think of this Bluetooth connection as a trigger switch to activate wireless CarPlay, not for audio output. Remember that all audio will be played through your Lexus's native Bluetooth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

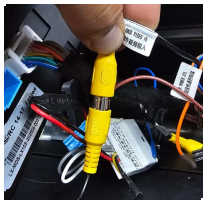
Most Lexus vehicles use the CVBS format for the OEM backup camera video signal, but some models use an LVDS signal instead. If you have selected CVBS but the OEM backup camera does not display properly, try selecting OEM LVDS in the backup camera settings menu.



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.



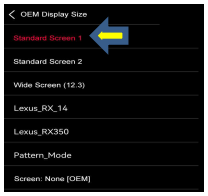


2. OEM Screen Display Issues & Controller Malfunction

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

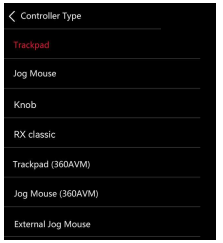
Enter the Hidden Menu and change the OEM Display Size (Standard) or Display Output Mode (OEM Size) to match your vehicle's original screen specifications.

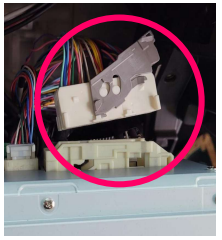




Symptom 2. The mouse cursor moves freely in the Lexion system, but in the OEM menu it does not move in a free-floating manner, or clicking any menu does not work.

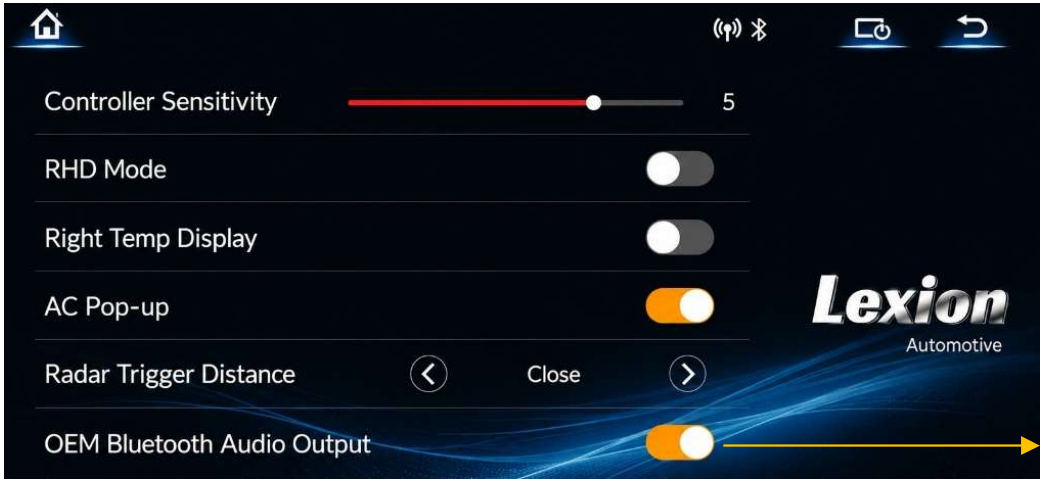
Think of the controller selection as choosing your vehicle's CANBUS system. If an incorrect CANBUS is selected, the controller will not function properly in the OEM menu. After selecting the controller for your vehicle, be sure to disconnect the main power connector from the back of the radio and then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





Troubleshooting

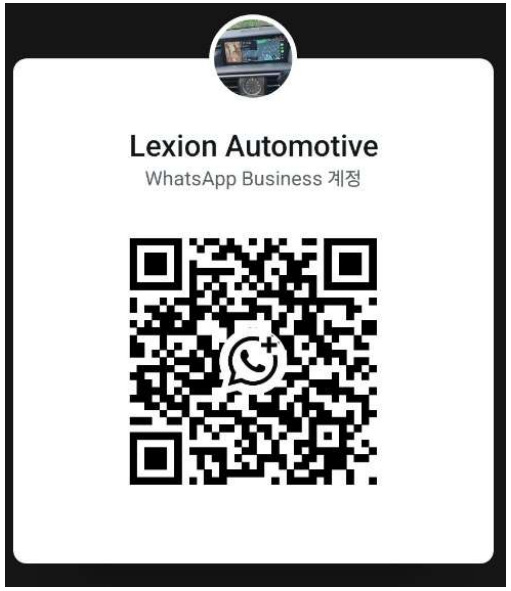
3. CarPlay is connected, but the audio is not playing through the vehicle's speakers.



Please make sure this option is enabled. If it is turned off, audio will not be output through the vehicle's factory Bluetooth system.
However, when using screen mirroring, turn this option off and select **AUX** as the audio source in the Lexus factory media menu

Tech Support

Whatsapp



Facebook User Community