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GEOTAB

GEOTAB GS1LTE1 ADAS Sensor



Preparing for installation

Prior to installation, please ensure the correct Geotab hardware has been provided (ADAS sensor, bracket and locking tool) in addition to ensuring that the installer has alcohol wipes on hand.

Installation instructions

WARNING! Always read and follow all safety information, including Important Safety Information and Limitations of Use, before harness and/or IOX installation. Disconnect the GO device from the vehicle before installation and connect it post-installation (see link). Failure to follow these instructions and warnings can result in loss of vehicle control and serious injury or vehicle damage.

IMPORTANT: Professional installation (Certified Geotab® Installer or equivalent) is required for the safe and proper installation of this product (harness and/or IOX). The installer must have sufficient technical knowledge and expertise for the respective installation.

WARNING! All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, including gas, brake and clutch pedals. This requires the use of a cable tie when securing the device or any extension harness to the OBD connector, securing both sides of the harness. If you do not use a cable tie, vibration in the vehicle can lead to a loose connection which could indirectly cause the vehicle's engine computer to fail, loss of vehicle control and cause serious injury. Inspect devices and cabling regularly to ensure all devices and cables remain securely attached.

IMPORTANT: The GO device must be disconnected from the vehicle prior to installation

1. Find a suitable location for the unit on the windshield. Ensure that the sensor's position does not obstruct the driver's viewing area, and is within the sweep zone of the wiper.



2. Use an alcohol based wipe to clear the area of the location the sensor will be installed.



3. Dry the area to ensure all excess dirt and alcohol has been removed, and it is dry.
4. Remove the film from the adhesive and mount the sensor bracket on the windshield. Apply pressure for 30 seconds.



5. Slide the sensor unit into the bracket and use the provided locking tool to tighten the unit in place, ensuring the sensor is facing level and forward.



6. Route the cable between the headliner and roof towards the A pillar. Remove the door gasket and cover on the A pillar so that you can route the cables underneath the curtain airbag.



7. Ensure to route the cable so it will not fall or interfere with the driver's view, or interfere with the airbag deployment.
8. Continue routing the sensor cable through the dash and use the IOX extension cable (HRN-IOXEXT) to reach the OBDII port and GO device.



9. Use a cable tie to secure the connection and trim any excess tie.



10. On the GO device, remove the IOX expansion port cover and plug in the IOX extension cable. Ensure the GO device is not connected to the vehicle for this step.



11. Use a cable tie to secure the connection.



* Refer to the following GO device installation material to complete the installation:

- HRN-GS16K22 Standard 16-Pin T-Harness Kit
- HRN-GS09K2 Universal Heavy Duty T-Harness Kit
- GO9/GO9+ Basic Installation

12. When the vehicle is started, the sensor should power and produce an audible chime. Proceed to reattach all panels to complete the installation. The sensor will automatically pair with the GO device.



Refer to the instructions below for sensor calibration:

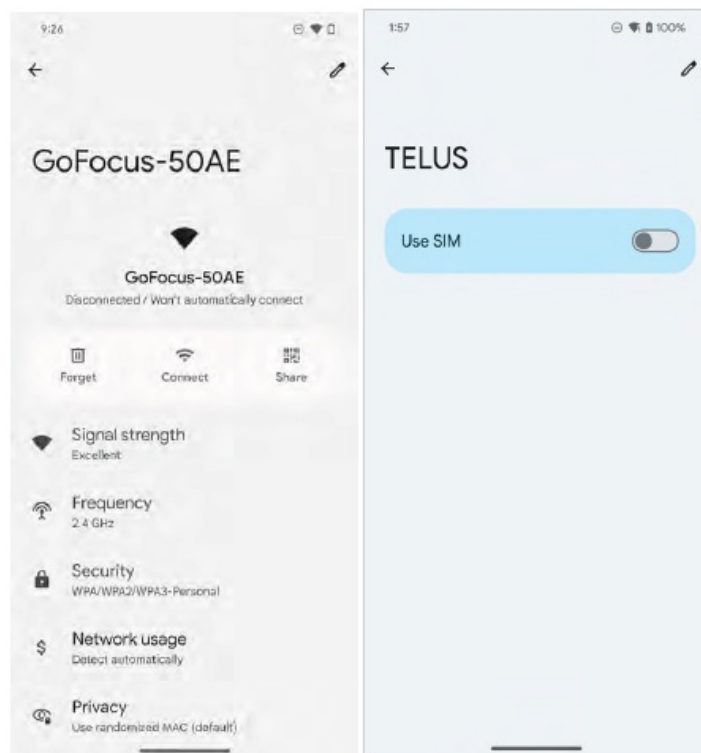
- Press and hold the red camera SOS button for 5 seconds to enable the sensor Wi-Fi.
- Using your phone, navigate to Wi-Fi connections and find and select the safe way connection. The SSID is SAFEWAY- ##### where ##### are the last 4 digits of the serial #.
- The Wi-Fi password is the reverse of the camera serial number on the camera.(For example, SN: 216B505A, password: A505B612. This is case-sensitive.) Find the serial number on the “Cameras” page in My Geotab.

NOTE: Be sure to log in with the default password and then create a new one.



Turn off “Use SIM”, otherwise you cannot access the address in step 2.

NOTE: To turn off “Use SIM”, navigate to Settings > Network and Internet > SIMs > TELUS.

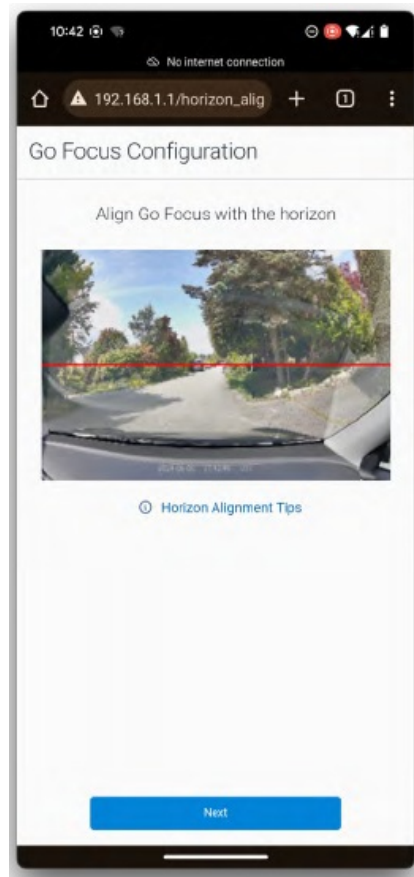


1. Go to web address 192.168.1.1 in a web browser.
2. Select your vehicle type



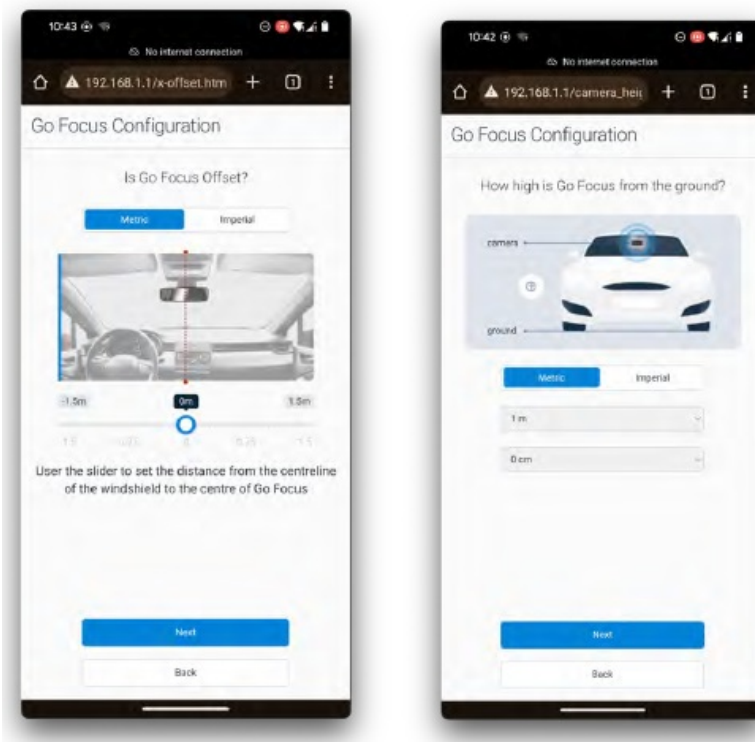
3. Lens Calibration/Horizon Alignment

- Ensure the red horizontal line is at the intersection of road lines (estimated visually).



4. Enter the Height and offset parameters.

- Height is the distance from the ground to the sensor lens.
- Offset is the distance from the center of the car to the sensor lens.



You are now finished with the install and calibration of your sensor.

Important safety information and limitations of use

- **WARNING!** Do not attempt to install, configure, or remove any product from any vehicle while the vehicle is in motion or otherwise in operation. All installation, configuration, or removal must be done only in stationary vehicles which are securely parked. Attempting to service units while being operated could result in malfunctions or accidents, leading to death or serious personal injury.
- **WARNING!** All in-vehicle devices and related cabling must be securely fastened and kept clear of all vehicle controls, including gas, brake and clutch pedals. You must inspect devices and cabling on a regular basis to ensure all devices and cabling continue to be securely attached. Loose cabling or devices may impede the use of vehicle controls, resulting in unanticipated acceleration, braking or other loss of vehicle control, which could lead to death or serious personal injury. Improperly fastened in-vehicle devices may detach and impact operators upon sudden acceleration or deceleration, which may cause injury.
- **WARNING!** If at any point after an in-vehicle device is installed a warning light illuminates on the vehicle dash or the vehicle stalls or has a marked drop in performance, shut off the engine, remove the device, and contact your reseller.

Continuing to operate a vehicle with these symptoms can cause loss of vehicle control, and serious injury.

- **WARNING!** Your in-vehicle devices must be kept clear of debris, water, and other environmental contaminants. Failure to do so may result in units malfunctioning or short-circuiting that can lead to a fire hazard or vehicle damage or serious injury.
- **WARNING!** Do not attempt to remove the devices from the vehicle in which they are originally installed for installation in another vehicle. Not all vehicles share compatibility, and doing so may result in unexpected interactions with your vehicle, including sudden loss of power or shutdown of the vehicle's engine while in operation or cause your vehicle to operate poorly or erratically and cause death or serious injury and/or vehicle damage.
- **NOTICE:** This product does not contain any user-serviceable parts. Configuration, servicing, and repairs must only be made by an authorized reseller or installer. Unauthorized servicing of these products will void your product warranty.

Regulatory Statements

Warning: RF Exposure Compliance

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instruction and transmitter operating conditions for satisfying RF exposure compliance.

Contact your reseller for more information.

CANADA

CAN ICES-003 (B) / NMB-003 (B)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

USA

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Geotab could void the user's authority to operate the equipment.

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

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FAQ


• Q: What should I do if the sensor does not power on after installation?

A: Check connections and ensure proper cable routing. If issue persists, contact customer support for assistance.

• Q: Can I install the ADAS sensor on any vehicle?

A: The ADAS sensor is compatible with vehicles that support Geotab hardware. Check compatibility before installation.

Documents / Resources

	GEOTAB GS1LTE1 ADAS Sensor [pdf] Installation Guide GS1LTE1, GS1LTE1 ADAS Sensor, ADAS Sensor, Sensor
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References

- [User Manual](#)

ADAS Sensor, GEOTAB, GS1LTE1, GS1LTE1 ADAS Sensor, Geotab Sensor

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[GEOTAB IOX-GOTALK Vocalization Speaker Extension User Guide](#)

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