

Features

The IOX-ALERT allows a driver to send a notification to a dispatcher through the press of an alert button (not included). Once pressed, the alert button signals the Geotab GO™ device to send a specific engine diagnostic to MyGeotab™. Exception rules can be set to trigger in response to this diagnostic. The IOX-ALERT monitors one switch input for alerting purposes.

WARNING! This product was not designed to be used in a fail-safe manner. Inadvertent delay or even failure to notify users or intended recipients on activation of the alert button could occur in some cases. This product is not recommended for use in safety-critical applications because it could cause inappropriate expectations by drivers or passengers.



IOX Hardware Technical Specifications

Weight	50 g
Size	Overall length: 2380 mm L Widest point: 31 mm W × 16 mm H
Housing	PC+ABS clamshell casing
Interfaces	CAN: 500 kbps (for daisy chaining)
Inputs Available	1 Alert
Nominal Input Voltage	12 V / 24 V
Resistance	Input Impedance: 37 kΩ Driving Circuit Resistance must be less than 100 Ω
Input Logic Levels	GND — Float, Low: Float, High: <100 mV
Current Draw IOX-ALERT on GOx daisy chain	40 mA at 12 V / 24 V Operating mode (typical/nominal current draw) 100 mA at 12 V / 24 V Operating mode (max. current draw) 0.4 mA at 12 V / 24 V Sleep mode (min. current draw)
Temperature Rating	−40 °C to +85 °C
Connectors	1 Labeled wire: Black - AUX 1 Male Mini-USB Type-B connector: Daisy chain power and CAN in Female Mini-USB Type-B connector: Daisy chain power and CAN out
Installation	Male Mini-USB connector connects to the GO Device or another IOX™ harness
Compatible Devices	All GO7® and newer devices and variants
GO9® can source a maximum total current to the IOX in Daisy Chain	2750 mA at 12 V/24 V * NOTE: For each IOX in the Daisy Chain, add the Max Current draw, and do not exceed the Max.Total IOX Current draw.

IOX Installation Instructions

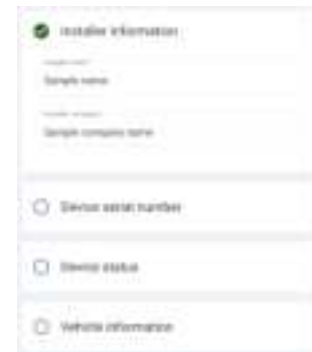
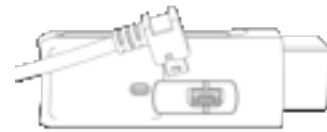
! IMPORTANT: Professional installation (Certified Geotab® Installer or equivalent) is required for the safe and proper installation of this product (harness and/or IOX). The installer must have sufficient technical knowledge and expertise for the respective installation.



Installing the IOX-ALERT

- 1 Start with the Geotab GO device unplugged from the vehicle. Remove the IOX expansion port cover on your GO device.
- 2 Plug in the 90° USB connector of the IOX to the GO device. Secure the USB connector using a cable tie, being careful not to over tighten it, thereby possibly damaging the USB connector.

* **NOTE:** The USB connector can only be inserted in one orientation (see image).
- 3 The IOX-ALERT has a BLACK wire that should be connected to an external trigger button. The wire must connect to a momentary contact switch, and an external wire from the switch must connect to vehicle ground. An Exception Rule can be created in MyGeotab by using the **Alert button depressed** diagnostic.
- 4 Once your connections to the IOX-ALERT wiring have been made, connect the GO device and immediately start the vehicle. Your GO device will enter debug mode.
- 5 Navigate to myinstallpub.geotab.com to verify that the device is communicating.
 - In the **Installer information** section, enter the installer's name and company name. Select the next section.
 - In the **Device serial number** section, enter the 12-digit alphanumeric serial number, located on the bottom of the device, then click **Validate**. Select the next section.
 - In the **Device status** section, review the status of the device. The **PASS** status indicates the device communicated with the network in the last 24 hours. The **FAIL** status indicates the device has not communicated with the network in the last 24 hours. Select the next section.
 - In the **Vehicle** section, enter the vehicle-related information.
* **NOTE:** If the device is not communicating, please ensure the device is installed correctly and try again.



Termination Shunt

You may notice your IOX comes with a termination shunt installed in the expansion port. If you are installing more than one IOX in a daisy chain, you will need to remove the shunt from each device in line, except the last IOX connected. That shunt must remain in the last IOX and should be secured with a cable tie.

The use of the shunt in the last IOX is necessary for the GO device to detect and configure the IOX as effectively as possible.

* **NOTE:** Failing to install the shunt in the last IOX could affect IOX communication. It is recommended that you secure the shunt using a cable tie if not already done.



Important Safety Information and Limitations of Use

For the most up-to-date version of the Limitations of Use, visit: goo.gl/k6Fp0w.

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.

 **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Regulatory Statements

USA

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*** 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.

Canada

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

EU

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Germany

Wir besitzen keine Versand- und Lagerfläche in Deutschland und sind nicht von der Rücknahmepflicht nach § 17 ElektroG betroffen.