

The IOX-GOTALK provides audible feedback to drivers. With the IOX-GOTALK, the fleet manager adds an in-cab notification tool which can notify the driver when they exceed allowable conditions - this audible feedback can be customized for each vehicle group if desired.

The audible feedback provides contextual text-to-speech alerts to drivers, instead of simple alerts such as device beeps. Alerts already utilized with a GO device can also be used with the IOX-GOTALK. Examples of the types of supported alerts include:

- Engine revving beyond a customer-configurable threshold
- Idling beyond a customer-configurable threshold
- Speeding / approaching maximum speed limit beyond a customer-configurable threshold
- Seat belt usage (if supported by the vehicle)

Features

- Easy-to-install IOX™ to the Geotab® GO™ device
- Provides audible text-to-speech feedback to drivers
- Audible alerts available in English (US), French (France), Spanish (Spain), German, and Italian



IOX hardware technical specifications

Weight	140 g
Size	Overall Length: 2400 mm L Widest Point: 58 mm W × 23 mm H
Housing	Black, PC+ABS, injection moulding grade
Interfaces	CAN: 500 kbps (for daisy chaining)
Decibel Output	67 dBA - 83 dBA at 1 m for volume range 1-6
Nominal Input Voltage	12 V / 24 V
Power Output	Daisy Chaining: 2500 mA @ 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.
Current Rating	85 mA at 12 V / 24 V Operating mode (typical/nominal current draw) 170 mA at 12 V / 24 V Operating mode (max. current draw) 225 mA at 12 V / 24 V Speaking Mode (typical/nominal current draw) 600 mA at 12 V / 24 V Speaking Mode (max. current draw) 0.500 mA at 12 V / 24 V Sleep Mode (max. current draw)
Temperature Rating	-40°C to +85°C / - 40°F to +185°F
Connectors	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
Compatible Devices	All GO7® and newer devices and variants

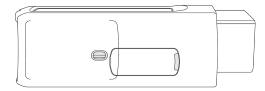
IOX installation instructions



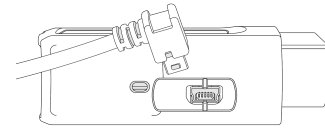
WARNING! Always read and follow all safety information, including Important [Safety Information and Limitations of Use](#), before harness and/or IOX installation. Disconnect the GO device from the vehicle before installation and connect it post-installation (see goo.gl/rkLRiA). Failure to follow these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

Installing the IOX-GOTALK

1 Unplug the Geotab GO device from the vehicle and remove the IOX expansion port cover on your GO device.



2 Plug the 90° USB connector from the IOX into the GO device. Secure the USB connector using a cable tie. Please note that over tightening may damage the USB connector.



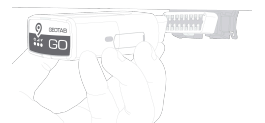
* **NOTE:** Insert the USB connector in the orientation displayed in the image.

3 Choose an appropriate location to install the IOX-GOTALK mount. Please ensure the installation does not interfere with safe vehicle operation. The mount can be attached with two screws to the location of your choice.

Proper placement of the IOX-GOTALK is crucial and affects the driver's ability to hear the alerts under harsh, loud conditions, such as driving at high speed with windows down.

* **NOTE:** The location you choose for the GO device influences the location available to mount the accessory due to the wire length of IOX-GOTALK. Please ensure the installation does not interfere with safe vehicle operation.

4 Once you connect the IOX-GOTALK to the GO device, plug in the GO device and immediately start the vehicle. The IOX will enter self-learn mode and the GO device will enter debug mode. The IOX-GOTALK will also provide a voice prompt indicating "GOTALK Connected".



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.

Installer information

Installer name *
Sample name

Installer company *
Sample company name

Device serial number

Device status

Vehicle information

Installation Verification

IOX-GOTALK installation can be further verified using the MyGeotab application.

1 Navigate to **Vehicles and Assets**, located in the navigation menu on the left.

2 Select a vehicle that has the GO TALK installed.

3 Select **Audio feedback** from the top menu.

4 Under **GO TALK language**, a **(connected)** indication will be available once the IOX-GOTALK is installed and a vehicle ignition event has occurred. The Test GO TALK audio button can be utilized to send a voice prompt to the IOX-GOTALK. The voice prompt will include "Test" spoken in the chosen IOX-GOTALK language.

GO TALK language:
(connected)

English

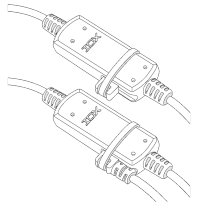
Test GO TALK audio

Termination shunt

The IOX comes with a termination shunt installed in the expansion port. If you plan to install more than one IOX in a daisy chain, you must remove the shunt from each device in the line with the exception of the last IOX connected. The shunt must remain in the last IOX and secured with a cable tie.

The shunt in the last IOX ensures the GO device detects and configures the IOX, as effectively as possible.

*** NOTE:** Failure to install the shunt in the last IOX may affect IOX communication. To ensure the IOX communicates properly, please secure the shunt with a cable tie.



Device feedback and troubleshooting

LED color/pattern	Device behavior
Solid green	IOX-GOTALK is emitting a text-to-speech message
Solid red	The GO device does not have GPS or cellular connection. Server-based rules may not be received.
Alternating green and red	IOX-GOTALK firmware update is being downloaded

Setup in MyGeotab

The IOX-GOTALK uses two types of rules: device-based rules and server-based rules. **Device-based rules**, built into the device, do not need to communicate with MyGeotab™ when a rule is broken – the device instantly processes the rules and will work both inside and outside cellular coverage. **Server-based rules** need to communicate with MyGeotab, and may not deliver real-time feedback to the driver. The in-cab notification associated with these rules will also be unavailable if the GO device is in an area without cellular connectivity.

*** NOTE:** When utilizing Extendable Services, rules must be configured in the Primary Database in order to properly function and generate in-cab notifications with the IOX-GOTALK. More information on Extendable Services can be found at this [link](#).

*** NOTE:** In-cab notifications delivered to the IOX-GOTALK are subject to the device's configured rate plan and vehicle data available from the host vehicle. Rate plan information for the GO device and associated vehicle data can be found at this [link](#), engine data coverage based on vehicle make/model/year information can be found at this [link](#).

Device-based rules

Device-based rules cover basic use cases: driver identification, vehicle speeding (over a threshold speed), over-revving, idling, seat belt use, reversing, and dangerous driving. The user can individually enable, disable, and adjust the rules to suit user preferences. Configure device-based rules on the **Asset Edit** page under the **Audio Feedback** tab.

By default, the GO Device produces beeps in response to device-based rules (with **Enable audio feedback** turned on). With an IOX-GOTALK installed, beeping from the device is replaced with spoken phrases. Each device-based rule uses a predefined spoken phrase.

Device-based rules vary depending on your subscription plan. A list of all device-based rules and their associated IOX-GOTALK phrases are provided in the list below.

Message type	Message	Base	Regulatory	Pro	ProPlus
Driver identification reminder	Unknown Driver (repeated)	✓	✓	✓	✓
Beep when idling for a period of time	Idling for too long (repeated)	✓	✓	✓	✓
Speed warning (constant threshold speed)	Speeding violation (repeated)	✓	✓	✓	✓
Beep briefly when approaching warning speed	Nearing speed limit (constant threshold speed)	✓	✓	✓	✓
Beep on engine RPM	Over-revving			✓	✓
Beep on dangerous driving	Harsh-driving			✓	✓
Beep when seat belt not used	Seat belt unbuckled (repeated)			✓	✓
Beep on reversing	Asset in reverse			✓	✓

Server-based rules

Server-based rules are customizable. The user can configure conditions that trigger the rule, as well as the spoken feedback.

* **NOTE:** When using server-based rules, MyGeotab users **must** input the text to be spoken in the language the IOX-GOTALK is configured to. See [Multi-language support](#) for more details.

* **NOTE:** As server-based rules require a connection to MyGeotab and data to be exchanged between the GO device and MyGeotab. Feedback may not be delivered in real-time and is not available in out of cellular coverage areas. MyGeotab utilizes a timeout to prevent late notifications from being delivered to the device if prolonged data delays are seen. To ensure in-cab notifications are delivered in all exception events, the rules setting [Allow Late Notifications](#) should be enabled. For information on how to enable this setting, please reference this [post](#).

To create custom feedback for a server-based rule, follow the steps below:

- 1 Navigate to **Rules & Groups > Rules**, from the navigation menu on the left.
- 2 Click **Notification Templates**, located at the top of the web page.
- 3 Click **Add text template**, located at the top of the web page.
- 4 For **Name**, write the name of the text template.
- 5 For **Text**, write the text the GO TALK will emit when the driver triggers a rule.
- 6 Click **Save** to save the text template.

To add custom feedback to the server-based rule, follow the steps below:

- 1 Navigate to **Rules & Groups > Rules**, from the navigation menu on the left. .
- 2 Click **Add**, located at the top of the web page.
- 3 Under the **Notifications** tab, click the **Add driver feedback** and select the **GO TALK** option.
- 4 For **GO TALK**, type the name of the text template in the box. You can click the box to open a drop down menu and select the recently created text template from the list.
- 5 Click **Add** to add the text template to the server-based rule, then click **Save**.

IOX-GOTALK on ProPlus

Active Tracking increases the speed at which GPS records are updated in MyGeotab. In order to take advantage of faster server-based rules which are triggered by GPS (i.e. speeding, zone entry/exit), the IOX-GOTALK requires the use of Active Tracking on the ProPlus plan. To turn on Active Tracking:

- 1 Navigate to **Vehicles & Assets**, located in the navigation menu on the left.
- 2 Select the asset.
- 3 Select **Settings** from the top menu.
- 4 Click **Advanced**.
- 5 Scroll down to the **Active Tracking and live server-side driver alerts** toggle.
- 6 Toggle the option to **On**.

Active Tracking and live server-side driver alerts:

* **NOTE:** Enabling the Active Tracking option for any vehicle automatically turns on ProPlus billing for the device.

Multi-language support

The IOX-GOTALK supports English (US), French (France), Spanish (Spain), German, and Italian.

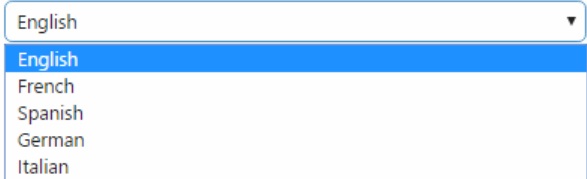
* **NOTE:** Once a language is selected, messages associated with **Device-based rules** are spoken in the selected language. For **Server-based rules**, notification templates **must** be created in the selected language.

To set the language of the GO TALK, please follow the steps below:

- 1 Navigate to **Vehicles and Assets**, located in the navigation menu on the left.
- 2 Select a vehicle that has the GO TALK installed.
- 3 Select **Audio feedback** from the top menu.

4 Select your desired language under **GO TALK language**.

GO TALK language:



English
English
French
Spanish
German
Italian

Important safety information and Limitations of Use

For the latest version of the Limitations of Use, please 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.

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)

Germany

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