

IOX-NFC



IOX-NFC

The Geotab GO6™ device is the world's only expandable plug-&-play vehicle telematics platform that allows for unique IOX™ expandability. **Add NFC sales pitch below.**

Top Features

- Driver ID
- Immobilization
- ?
- ?

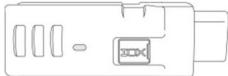
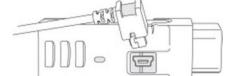
Harness Technical Specifications

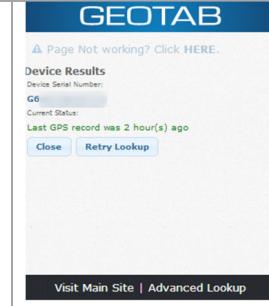
Weight	50 g
Size	<ul style="list-style-type: none"> ▪ Antenna portion: 45mm x 50mm x 13mm ▪ Connector portion: 30mm x 53mm x 15mm ▪ Cables: 1 m, 300mm
Housing	Flame retardant black ABS
Interfaces	CAN: 500 Kbit/s; Daisy chain; Ground switch
Frequency Range	13.56MHz
Power Output	12V/24V
Power Consumption	<ul style="list-style-type: none"> ▪ Running Mode: 100mA ▪ Sleeping Mode: 1.1 mA
Connectors	<ul style="list-style-type: none"> ▪ Keyed 5-pin mini-USB type-B plug: Daisy chain power and CAN in. ▪ Keyed 5-pin mini-USB type-B socket: Daisy chain power and CAN out. ▪ 2-pin grounding socket (molex connector)
Installation	<ul style="list-style-type: none"> ▪ Keyed mini-USB plug connects to GO6™ or another IOX™ harness. ▪ Immobilizer module connects to 2-pin socket

Installation Instructions

Driver feedback in MyGeotab:

During installation ensure none of the components or wiring interferes with the safe operation of the vehicle.

1.	Start with the Geotab GO6™ device unplugged from the vehicle. Remove the blue IOX™ expansion port cover on your GO6™.	
2.	Plug in the 90° USB connector of the IOX™ to the GO6™. Secure the USB connector using a zip tie, being careful not to over tighten it, damaging the USB.	
3.	<p>Note: The USB can only be inserted in one orientation (shown in image).</p> <p>Locate an appropriate spot to mount the NFC reader within safe reach of the driver and where it will not interfere with the safe operation of the vehicle. Keep the routing of the wiring harness in mind while choosing a location for the reader.</p> <p>The NFC reader comes with a convenient mounting bracket that can either be screwed in place (<i>screws provided</i>) or taped in place (<i>tape provided</i>). The reader itself then snapped into the bracket.</p>	
4.	<p>Once your connections to the IOX-NFC have been made, connect the GO6™ to the vehicles OBDII connector.</p> <p>Before starting the vehicle swipe a valid NFC tag. The NFC reader will beep and the Green LED will flash.</p> <p>Prior to installation go into the database and ensure "Beep when no driver key inserted" is ON if this feature is not turned on the Driver ID/Immobiliser will not function correctly.</p> <p>On Off Beep when no driver key inserted.</p> <p>Enable 30 <input type="button" value="▲"/> seconds after ignition off.</p> <p>Failure to swipe tags prior to starting will cause the GO6 to beep continuously until the vehicle is shut off and the NFC resets; about 30 seconds.</p> <p>Allow the vehicle to run until each of the LEDs (RED, GREEN and BLUE) have illuminated. Keep in mind your GO6 will now be in debug mode for two ignition cycles.</p> <p>Tag verification: One at a time swipe each of the NFC cards, the reader should flash the green LED and beep for each card swiped.</p> <p>For installations requiring immobilization use HRN-RELAYKIT (detailed instructions included in kit)</p>	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Mounted in car picture</p> </div> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Tag swipe picture</p> </div>

	<p>5. Using a PC or Smart phone that has internet access, navigate to http://myinstall.geotab.com.</p> <p>Fill in your name, email address, and the Geotab serial number and click on "Check".</p>	
	<p>6. You will now see a screen similar to this with GREEN lettering. This indicates your installation was successfully completed. Should the test appear in RED you must verify the installation.</p>	

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 with the exception of the "LAST" IOX™ connected. That shunt must remain in the last IOX™ and should be secured with a zip tie.

The use of the shunt in the LAST IOX™ is necessary for the GO6™ to learn and configure the IOX™ as effectively as possible.

Note: Failing to install the shunt in the last IOX™ could affect IOX™ configuration, it is recommended you secure the shunt using a zip tie if not already done.

Shunt installed correctly pictures

Warnings and Cautions

WARNING: Mapping, navigation and tracking features available through Geotab software is dependent on third party mapping data and services and the availability and accuracy of the Global Positioning System ("GPS") operated by the United States government. Both third party data and services as well as GPS is subject to changes which may affect the accuracy or performance of mapping, navigation and tracking information or graphics presented through the use of Geotab software. Geotab products, software and services are not intended for use for primary navigation, route planning or similar purposes, as information presented may be inaccurate, delayed or misinterpreted. Relying on Geotab software for such purposes may result in incorrect navigation leading to unsafe driving situations.

WARNING: Geotab's products and related software and services are not designed or intended for use in emergency or failsafe situations including, without limitation, situations: (A) where failure of same may result in a risk of property damage, death or personal injury; (B) where Geotab's products, software or services are used to alert others upon the occurrence of certain vehicular events recorded by Geotab in-vehicle devices; or (C) requiring fail-safe controls or fail-proof delivery of information, including without limitation any operations involving radioactive or hazardous materials, life support systems or munitions or weapons. Communication features in Geotab in-vehicle devices may be interrupted or inoperable if a vehicle travels outside of a network coverage area or where there is a fault or service interruption with the carrier. Communication of data through Geotab in-vehicle devices also requires transmission of data through the internet. Failure in internet access will result in the interruption of communications.

WARNING: Do not attempt to install, reconfigure 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: If at any point after a Geotab 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 Geotab support.

WARNING: Do not attempt to remove Geotab in-vehicle devices from the vehicle in which they are originally installed for installation in another vehicle. Not all vehicles are compatible with Geotab in-vehicle devices, 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.

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.

CAUTION: Geotab products do not contain any user-serviceable parts. Configuration, servicing, and repairs must only be made by an authorized Geotab reseller or installer. Unauthorized servicing of Geotab products will void your product warranty. Improper installation may also lead to short circuits and the risk of fire, leading to personal injury or significant damage to your vehicle. Installation or servicing may also require modifications to your vehicle. Failure to comply with specified procedures or without adequate knowledge of the vehicle may result in damage to your vehicle, which may cause malfunctions of vehicle controls or vehicular environmental systems and result in personal injury.

CAUTION: Geotab 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, causing a fire hazard.

Copyright © Geotab Inc., 2012 All Rights Reserved. No part of this document may be reproduced, copied, modified or adapted without express written authorization from Geotab Inc.

Geotab, Geotab GO6, Geotab IOX, GO6 and IOX are either registered trademarks or trademarks of Geotab Inc., in the United States and/or other countries.

GARMIN and IRIDIUM are trademarks, respectively, of GARMIN SWITZERLAND GMBH CORPORATION and IRIDIUM SATELLITE LLC.