

## Geotab GO6™ 3G: The World's Only Expandable Plug-&-Play Platform



### GO6™ 3G Hardware Device

GO6™ 3G is a small yet extremely powerful telematics measurement tool. GO6™ 3G offers state of the art GPS technology, g-force monitoring, IOX™ expandability, and engine and battery health assessments. Using Geotab's patented tracking algorithm, it accurately recreates the vehicle's trips and analyzes incidents. Like all of Geotab products, GO6™ 3G offers in-vehicle alerts to notify drivers instantly of infractions. GO6™ 3G is truly a plug and play technology – it requires no dash mounted antennas and no splicing of wires.

### Top Features

- Small form factor device
- Easy plug-and-play installation
- IOX™ (Input-Output-Expander)
- Intelligent in-vehicle driver coaching
- Breakthrough accident detection and notification
- Ultra-accurate engine diagnostics
- High quality recording (CAN-BUS)
- Live vehicle data
- Fastest GPS acquisition time
- Compatible with Geotab's GPS fleet management software solutions
- Built-in accelerometer

### Technical Specifications and Features

Compliance	RoHS compliant, lead free
Size	75 mm (L) x 50 mm (W) x 23 mm (H)
Weight	70 g (0.15 lb)
Housing	Flame retardant black ABS
Environmental Tests	Operating Temp. -40 °C to 80 °C
32 Mb Non-volatile Flash Memory Store	<ul style="list-style-type: none"> <li>▪ Main Data Memory: Records 4,650 miles (7,500 km) of city driving (40,000 logs).</li> <li>▪ Accident Data Memory: Buffer records over 100 minutes of</li> </ul>

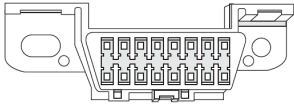
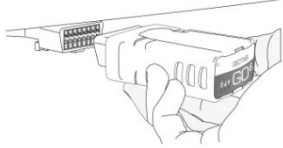

	second-by-second data (6,000 logs). Last 72 records (1.2 minutes) are sent instantly on accelerometer triggered accident-level events.
Engine Management	<p>Diagnostics supported on:</p> <ul style="list-style-type: none"> <li>▪ CAN: ISO 15765</li> <li>▪ Diesel Engines: SAE J1939 &amp; J1708</li> <li>▪ Legacy OBD: SAE J1850 PWM/VPW, ISO 9141-2, and ISO 14230 KWP2000.</li> <li>▪ Adapter packs available for GM J2411 protocol vehicles and heavy duty vehicles.</li> </ul>
Operating Voltage	8 V to 36 V
Current Consumption	<ul style="list-style-type: none"> <li>▪ Operating Mode: 150 - 350 mA (engine running).</li> <li>▪ Sleep Mode: 10 mA.</li> </ul>
Recording Parameters	Patented, curve-based GPS/voltage/accelerometer/ engine data logging algorithm for fewer, more accurate data points.
I/O Expandability Support (IOX™)	<ul style="list-style-type: none"> <li>▪ Garmin</li> <li>▪ Iridium</li> <li>▪ Auxiliary – Analogue and Digital (coming soon!)</li> <li>▪ Hours of Service (HOS)</li> <li>▪ Serial Port for 3<sup>rd</sup> party device integration</li> </ul>
Over The Air (OTA) Support	<ul style="list-style-type: none"> <li>▪ Firmware: For maintenance, new features, and custom-applications</li> <li>▪ Parameters: For turning additional features on/off</li> <li>▪ Almanac/Ephemeris Data: For quicker GPS latch</li> </ul>
In-cab Buzzer	<ul style="list-style-type: none"> <li>▪ Driver Feedback: Harsh braking, harsh acceleration, harsh corners, over-revving, excessive idling and speeding, and engine based seatbelt violations (when available).</li> <li>▪ Test Mode: Diagnostic beeps for system of GPS and wireless connection.</li> </ul>
Clock	Internal clock is set by initial GPS latch and counts seconds for time based activity during sleep mode including heartbeat and voltage recording.
Voltage Recording	Curve based voltage logging to detect weak batteries, failing alternators, and failing starters.
Heartbeat	Device wakes out of sleep mode at decaying intervals to send buffered data, such as position and voltage data.
Antennas (GPS and cellular)	Internal
Accelerometer	3-axis accelerometer for low-voltage digital output linear MEMS, housed in an LGA package. Full scale ( $\pm 2g$ and $\pm 8g$ ), capable of measuring accelerations with an output data rate of 100 Hz or 400 Hz.
Installation	Simple plug and play
Intelligent Ignition Detect	Non-engine based ignition detect based on voltage and movement allowing for 2-wire installation. Perfect for older vehicles with no engine information and covert installation for asset recovery.

GPS Receiver	<p><u>NEO-6Q</u></p> <ul style="list-style-type: none"> <li>▪ Voltage: 2.7 V to 3.6 V</li> <li>▪ 50-channel u-Blox 6 engine with over 2 million effective correlators.</li> <li>▪ Under 1 second Time-To-First Fix for hot and aided starts.</li> <li>▪ SuperSense® Indoor GPS for improved acquisition/reacquisition and tracking sensitivity.</li> </ul>
Cellular Module	<p><u>LISA-U200-01S</u></p> <ul style="list-style-type: none"> <li>▪ Voltage: 3.35 V to 4.2 V</li> <li>▪ GPRS/Edge: 850/900/1800/1900 MHz</li> <li>▪ UMTS: 800/850/900/1700/1900/2100</li> <li>▪ Embedded TCP/IP stack</li> <li>▪ Current Consumption: 1.6 mA idle, 300 mA typical</li> <li>▪ Certifications: PTCRB, R&amp;TTE/CE, FCC, IC, GCF, A-tick, ICASA</li> </ul>

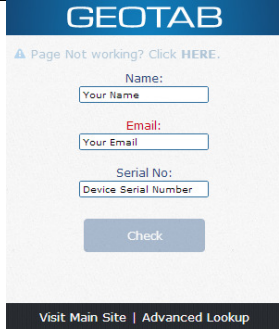
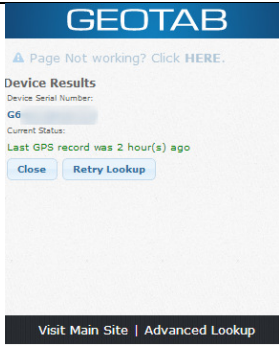
## Installation Instructions

Before installing your GO6™ device, ensure no dash warning lights are on in the vehicle while it is running. Also verify device compatibility with your vehicle type with your reseller.

### GO6™ Installation

1.	Locate the vehicle's engine diagnostic port typically found in the driver's area at or below knee level. <b>Note:</b> Commercial vehicles with diesel engines use a different connector system. Contact your reseller for diesel connector applications or for extension harnesses should it be necessary to locate your GO6™ away from the engine diagnostic port location.	
2.	Align the receiver end of the GO6™ with the engine diagnostic port and simply push in place, ensuring that the device is secure. You will hear 6 quick beeps and all three lights on the GO6™ will flash briefly.	
3.	Start the vehicle and allow it to run for approximately 3 minutes. During this time period, you will notice the <b>Red</b> LED will power on and illuminate on the face of the device. Shortly afterwards the <b>Green</b> and <b>Blue</b> LEDs will illuminate as the device links up with the cellular and GPS networks. This initial start-up may take several minutes to complete, and assumes the vehicle is parked outdoors.	

## Verify Your Installation

1.	<p>Your GO6™ serial number, which can be found at the bottom of your GO6™ device, is required for this step.</p> <p>Navigate to <a href="http://myinstall.geotab.com">http://myinstall.geotab.com</a> and fill in your name, email address, and the Geotab serial number. Once complete, click <b>Check</b>.</p>	 <p>The screenshot shows the Geotab verification form. At the top is the Geotab logo. Below it is a link: "Page Not working? Click HERE." The form has three input fields: "Name:" with "Your Name" as a placeholder, "Email:" with "Your Email" as a placeholder, and "Serial No:" with "Device Serial Number" as a placeholder. A "Check" button is at the bottom. At the very bottom of the page is a footer: "Visit Main Site   Advanced Lookup".</p>
2.	<p>You will now see a similar screen with <b>GREEN</b> text to indicate that your installation was successfully completed. If you see <b>RED</b> text instead, you must check the installation.</p>	 <p>The screenshot shows the Geotab Device Results screen. At the top is the Geotab logo. Below it is a link: "Page Not working? Click HERE." The screen displays "Device Results" and "Device Serial Number: G6". Under "Current Status:", it says "Last GPS record was 2 hour(s) ago" in green text. There are two buttons: "Close" and "Retry Lookup". At the very bottom of the page is a footer: "Visit Main Site   Advanced Lookup".</p>

## 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.

**WARNING:** Geotab requires the use of a cable tie when securing the GO 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. This could result in the vehicle stalling and can even cause personal injury under certain circumstances if it occurs while the vehicle is being driven.

**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.

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