

Geotab GO[®] Anywhere[™] 2

Battery and Externally-Powered Device

Support Document



GEOTAB[®]

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Geotab GO Anywhere 2 Asset Tracker

GO Anywhere™ 2 is a compact, rugged, and highly adaptable asset tracker built to monitor and safeguard your most valuable assets. Designed for easy installation on powered or non-powered equipment, it provides reliable last-known location updates to help businesses optimize utilization, and streamline operations. The device is capable of operating on both the built in, user replaceable battery, and with an external powered connection. With seamless integration into MyGeotab, GO Anywhere offers user-configurable ping rates, extended battery life, and robust features to meet a variety of tracking needs. Whether you're managing equipment, tools, materials, or anything else valuable enough to track, GO Anywhere ensures you always know where your assets have been, empowering smarter and more efficient asset management.

Device functionality

The GO Anywhere 2 device can operate in two modes: Time Based Mode and Movement Based Mode.

Time Based Mode

*** NOTE:** By default, the GO Anywhere 2 will enter into *Time Based Mode* after activation, with 5AM reporting setup (24 hours).

*** NOTE:** All times are in respect to the device's local time zone. Due to network bandwidth considerations, the device may update up to 15 minutes ahead of the times chosen.

In **Time Based Mode**, the device updates its location based on the time and frequency you set in MyGeotab. The device will report at the times chosen, regardless of the device being in motion or stationary.

Device mode can be configured in the **Asset Details** page. You can set the device to report every 2, 4, 8, 12, or 24 hours, beginning at your selected time of day.

To update the mode setup:

1. Navigate to **Assets** from the MyGeotab main menu.
2. Select an asset to enter the **Asset Details** page.
3. Open **Settings > GO Anywhere 2 Settings**.

Recommended Use Cases for Time Based Mode:

- Assets which do not take 'trips' (i.e. baggage carts)
- Assets which vibrate or operate in small areas

Movement Based Mode

*** NOTE:** All times are in respect to the device's local time zone. Due to network bandwidth considerations, the device may update up to 15 minutes ahead of the times chosen.

In **Movement Based Mode**:

1. The device will update its location when movement is detected (trip start). This update allows users to understand in MyGeotab that an asset is currently in motion.
 - a. Trip Start begins when a device is moving faster than 15 km/h OR the device's displacement from its last recorded position exceeds 200m.
2. During a trip, the device gathers location data every 30 minutes and stores this information for upload at the trip end.
3. Once the device detects that a trip has ended (asset is stationary for 1 hour or more), the device updates all stored data gathered from a trip.

If a device is stationary for more than 72 hours, it will update its location in MyGeotab at the time configured in MyGeotab and will report in every 72 hours following.

*** NOTE: Movement Based Mode** behavior is dictated by the specific asset/use case. Increased battery drain will result if an asset takes frequent trips.

To update the mode setup:

1. Navigate to **Assets** from the MyGeotab main menu.
2. Select an asset to enter the **Asset Details** page.
3. Open **Settings > GO Anywhere 2 Settings**.

Recommended Use Cases for Movement Based Mode:

- Assets which take trips
- Assets which may stay stationary for prolonged periods of time, but utilized during peak seasons
- Use cases which desire asset pairing functionality to other asset trackers or telematics devices in MyGeotab

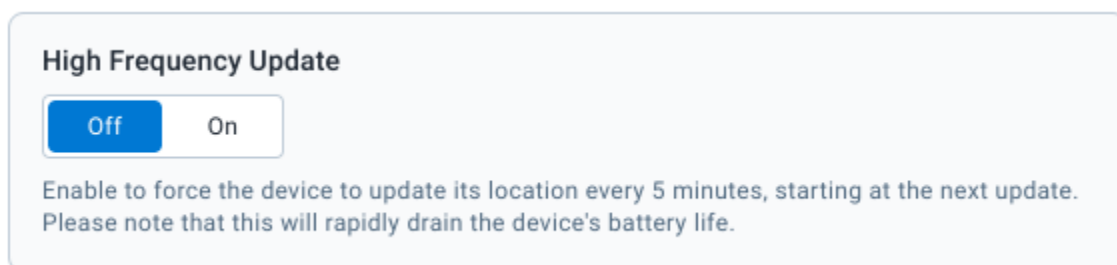
High Frequency Update

The GO Anywhere 2 provides a **High Frequency Update** feature to give you more visibility into your asset's location.

To enable or disable High Frequency Update:

1. Navigate to **Assets** from the MyGeotab main menu.
2. Select an asset to enter the **Asset Details** page.
3. Open **Settings > GO Anywhere Settings**.
4. Switch the **High Frequency Update** toggle **On** or **Off**.

*** NOTE:** When enabled, **High Frequency Update** increases the update frequency to every 5 minutes to provide you with frequent updates of the asset's last known location.



*** NOTE:** Once **High Frequency Update** is enabled, the device will need to wait until its next connection to MyGeotab for

the device to begin the 5-minute update frequency.

*** NOTE:** When enabled, **High Frequency Update** will have a significant impact on battery life and therefore the overall life of your GO Anywhere device. Ensure that you disable **High Frequency Update** once you no longer need the increased update frequency and reselect your desired **Device Mode**.

Battery Insights

MyGeotab provides battery insights about your GO Anywhere asset tracker: both the device's State of Charge (SOC) and Estimated Life Remaining.

- State of Charge (%): Calculated based on energy utilization onboard the device for operations such as GPS location and cellular upload
- Estimated Life Remaining (Days, Months, Years): Calculated based on the average battery usage of each GO Anywhere device over a period of 31 days. **Important notes** about estimated life remaining:
 - Changes to a device's reporting mode (time, movement, high frequency update) take approximately 31 days to be reflected in MyGeotab.
 - Changes in device operation or environmental factors can affect estimations.
 - If there is insufficient data for a given device, Geotab will estimate remaining battery life based on an average of utilization of all devices.
 - **Currently Unavailable** is a temporary status which will typically resolve within three days of a device being added to MyGeotab, as Geotab's DNA pipelines discover new devices.

Security

Geotab platform security is designed for end-to-end protection of your data. Key implementations include the following:

- The GO Anywhere 2 network interfaces use authentication, encryption, and message integrity verification.
- The GO Anywhere 2 device is individualized. Each device uses a unique ID and non-static security key, making it difficult to fake a device's identity.
- Over-the-air updates use digitally-signed firmware to verify that updates come from a trusted source.

Key features

- Seamless integration into MyGeotab
- Insight-focused. Capable of delivering insights related to asset linking with other telematics-equipped assets
- Low-cost, high-efficiency device
- IP68 and IP69K designed for water, dust ingress, and pressure spray protection
- Simple device design for covert installation
- Easy to install
- Fast GPS acquisition time
- NDAA/TAA Compliant
- External power connection
- User replaceable battery
- Button for activation and troubleshooting

Technical specifications and features

Cellular	Modem: LTE (CAT-1bis): GATAA1 LTE (CAT-1bis): Bands 2, 4, 5, 12, 13, 14, 25, 66 Antenna: LTE single antenna & GNSS Receiver (inside the device)
Battery life	Long-lasting battery (up to 3-5 years depending on use) with a health indicator, intelligent sleep mode, and energy-efficient design.
SIM	4FF Nano SIM tray
GNSS Receiver	GNSS engine (GPS/Galileo/SBAS/WAAS/EGNOS/MSAS/GAGAN) - Minimum 2 second Time-To-First Fix for hot and aided starts - Cold start: minimum 35s - Concurrent GPS & Galileo system - Accuracy: ~2.0 m CEP - OTA FW updates supported
Accelerometer	3-axis accelerometer 3D accelerometer. Full-scale acceleration range of ± 16 g - Acceleration output data rate of maximum 800 Hz.
Battery	Li-SOCL ₂ Battery Pack Rating: 3.6 V _{DC} , 5.4 Ah * NOTE: The batteries are replaceable. Follow proper battery disposal procedures. For replacement instructions, see below. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, can result in an explosion
IP rating	IP67 and IP69K
Mechanical	Maximum size: 125 mm L x 71 mm W x 30 mm H Weight: 207 g (0.46 lbs) Housing: Polycarbonate (PC) thermoplastic two-piece housing (Flammability rating: UL 94 V-0)
Environmental	Storage Temperature -40 °C and +85 °C Operating Temperature -30 °C and +65 °C

	SAE J1455 (Planned) • Powered Thermal Cycle • Passive Temperature Shock Resistance • Powered Humidity-Temperature Cycle • Powered Vibration Endurance Testing • Drop Testing • Packaged Drop Testing • Operational Shock Testing • Powered Salt Spray Testing • Gravel Bombardment Testing
Compliance	FCC, ISED, PTCRB
Electrical	Voltage: 12 V and 24 V systems supported Current: At 12 V • Peak power, 300 mA @ 12 V or 3.6 W Max • Typical power, 60 mA @ 12 V or 0.72 W Average At 24 V • Peak power, 150 mA @ 24 V or 3.6 W Max • Typical power, 30 mA @ 24 V or 0.72 W Average Battery Only • Peak power, 1 A @ 3.6 V or 3.6 W Max • Typical power, 5 mA @ 3.6 V or 18 mW Average

Battery Technical Specifications

Dimensions	52mm x 43mm x 14.5mm
Chemistry	Li-SOCL ₂
Capacity	5.4 Ah
Nominal Voltage	3.6 V
Compliance	UN 38.3, IEC 60086-4

Installation instructions

WARNING! Prior to device installation, read and follow the [Important safety information and limitations of use](#) section of this document. Always read and follow all safety information to prevent loss of asset control and serious injury.

! IMPORTANT: The magnet mount is intended for stationary assets only, and may not be suitable for roadway use due to the risk of detachment.

WARNING! Some installations are not straightforward and must be completed by an Authorized Geotab Installer to ensure a secure installation. An unsecure device installation can result in serious personal injury or significant damage to assets. Examples requiring professional installation from an Authorized Geotab Installer are when:

- The device is not fully secured and may come loose with vibrations or accidental contact, or get knocked.
- The Installer questions their ability to complete a secure installation according to the following instructions.
- Mounting modifications are required to secure the device (for example, removing of panels).

WARNING! Do not attempt to install, reconfigure, or remove any product from an asset while the asset is in motion or otherwise in operation. All installation, configuration, or removal must be done only in stationary assets which are securely parked. Attempting to service devices while the asset is in motion could result in malfunctions or collisions, leading to death or serious personal injury.

Installing and activating the GO Anywhere Asset Tracker

Installation

The GO Anywhere 2 device offers flexible installation options, supporting both internal battery operation and external power connection.

Device Activation

Important: Before activating your device, ensure it's been added to the database. For optimal performance, activate the device in an area with good cellular coverage and a clear view of the sky for GNSS/GPS. Outdoors are best.

The GO Anywhere 2 activates via **button press**. If activation is unsuccessful, the device will automatically retry. You can manually force a retry by pressing the device's button for a duration that initiates a health check or communication (refer to the Troubleshooting section for specific button press instructions for this).

Installation Methods

You can choose between battery-operated or external power installation methods:

Battery-Operated Installation

When using the internal battery, you can place the device inside your asset or attach it externally using the included magnet mounting kit.

Magnet Installation Steps:

1. **Prepare Magnet:** Insert a magnet into the rubber 'foot' provided.
2. **Attach Magnet to Device:** Position the magnet under the device and insert screws, attaching the magnet firmly into place. (There are three magnets and three attachment locations).
3. **Mount Device:** Attach the Gemini device securely to any metallic surface on your asset.

External Power Installation

For external power, you'll use a compatible harness connected to your asset's power source.

Harness Connection Steps:

1. **Remove Connector Cap:** Unscrew and remove the connector cap from the bottom of the device.
2. **Attach Harness:** Attach the round connector from your harness to the Gemini device. Ensure the keyed connection is correctly aligned, then push the connector firmly into place and thread the harness connector to secure it.
3. **Connect to Vehicle:** Connect the harness (e.g., OBD connector) to your vehicle's diagnostic board or specified power connection point. The exact location and connection point will vary depending on your vehicle type.
4. **Install Device:** Once the harness is connected, install your device using either the magnets (as described in the "Magnet Installation Steps" above) or screws provided. A robust and secure installation is required to maintain accurate IMU (accelerometer) readings for movement-based logic.

Battery Replacement

1. **Remove Device:** Take the device off its mounting surface and detach the dust cap/cable connector.
2. **Unscrew Casing:** Flip the device over and unscrew the **4 Phillips head screws**.
3. **Separate Casings:** Flip the device right-side up and carefully remove the top casing.
4. **Remove Old Battery:** Unplug and take out the old battery pack and foam pad.
5. **Install New Battery:** Plug in the new battery pack (foam side down). Ensure wires are in the channel and the plug is oriented correctly.
6. **Secure Casings:** Place the top casing back on. Secure it with the **4 Phillips head screws**, using an **"X" pattern** and torquing each to **1.2 Nm**.
7. **Replace Connector Cap:** Screw the dust cap/cable connector back on hand-tight.

Important Warnings:

- **Prevent Water/Debris:** Keep dust and debris off the gasket and sealing surfaces.
- **Torque Screws:** Tighten screws to **1.2 Nm** in an **"X" pattern** (top-left, bottom-right, top-right, bottom-left).
- **Avoid Over-Torque:** Do not over-torque screws to prevent stripping.
- **Handle with Care:** Avoid damaging the light pipe when removing the top casing, and don't push the button or scratch internal components during replacement.

Device billing and warranty

Billing

- All GO Anywhere 2 devices are billed on the *Asset Plan*
- *Suspend Mode* is not supported by the GO Anywhere 2.
- The GO Anywhere 2 ships in an unactivated state, and will activate at the expiry of the auto-activation period (120 days) or at the start of an activation attempt (corresponding with removal of the magnet adhered to the device), whichever occurs first.

Warranty

Please refer to [Geotab's warranty statement](#).

Returns

- All returns must include a valid Geotab return number.
- Since GO Anywhere 2 devices contain lithium batteries, which are classified as Dangerous Goods, specific shipping labels are required. Here are options based on different scenarios:
 1. **Recycling:** If the customer wishes to dispose of the product, they should follow proper recycling protocols for electronic devices and batteries.
 2. **Return Without Replacement:** If the customer does not want a replacement device and prefers to return the product, they have two options:
 - Remove and properly dispose of the batteries according to local regulations.
 - Choose to recycle the entire device (as described in option 1).
 3. **Replacement:** If the customer intends to replace the device, they should order a new device. The replacement device can be shipped back using the original box, provided the box is still in good condition and still has the UN label clearly visible on the outside of the box.

Support

If you encounter any issues, follow these troubleshooting steps to effectively report the problem to the Geotab Support team:

- **Identify the issue** — Identify what actions lead to the situation, any error messages that appeared, and take note of the date and time that the issue occurred.
- **Document the issue** — Provide clear details about the situation, including screen captures or video clips that demonstrate the issue.
- **Access MyAdmin Helpdesk** — Geotab Support should be your primary point of contact. If you are the Customer, contact your authorized Geotab Partner.
- **Submit ticket** — After all necessary details are provided, submit the ticket.

Important safety information and limitations of use

For the latest version of the Limitations of Use, please visit: goo.gl/k6Fp0w.

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! The magnets may cause serious injury if ingested. Keep away from children.

CAUTION! The magnets produce a strong magnetic field that can adversely impact magnetic media (for example, credit cards) and small electronics. Exercise caution, and avoid close contact with the magnets to safeguard the electronics.

WARNING! The magnets are strong, and may cause harm if mishandled. Always slide the magnets when trying to separate or join them to avoid personal injury or damage.

Regulatory statements

Warning: RF Exposure Compliance

This equipment complies with FCC and ISSED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. In order to avoid the possibility of exceeding the FCC and ISSED RSS-102 radio frequency exposure limits, this equipment should be installed and operated with minimum distance 20 cm (7.9 inches) between the antenna and your body during normal operation. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Cet équipement est conforme aux limites d'exposition aux rayonnements FCC et ISSED CNR-102 établies pour un environnement non contrôlé. Cet émetteur ne doit pas être installé ou utilisé en conjonction avec une autre antenne ou un autre émetteur. Afin d'éviter la possibilité de dépasser les limites d'exposition aux radiofréquences FCC et ISSED, cet équipement doit être installé et utilisé avec une distance minimale de 20 cm (7.9 pouces) entre l'antenne et votre corps pendant le fonctionnement normal. Les utilisateurs doivent suivre les instructions spécifiques d'utilisation pour respecter la conformité à l'exposition aux RF.

Canada

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

This device contains license-exempt transmitters/receivers 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.

This device complies with the Canadian ICES-003 Class B specifications. CAN ICES-003 (B).

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempt de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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.
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.

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