Iridium Satellite Modem

Iridium Satellite

Geotab offers Iridium satellite GPS fleet tracking solutions. The Iridium modem has been integrated with the GO9 platform as a backup means of communication. If the device can no longer communicate via cellular coverage it will send positional updates over the Iridium network, providing a reliable and cost effective fleet management solution.

Duress Add-on

The Iridium satellite modem can be wired into a duress button via an IOX Auxiliary harness. When triggered, it sends an "Emergency" message through the satellite network to the MyGeotab user. This feature will send a top priority message, regardless of the state of the vehicle. When triggered, the device will start a beeping sequence that continues until the message is received.

Harness Technical Specifications

Weight	■ 65 g
Size	■ Overall length: 850 mm
Housing	■ Widest Point: 17 mm x 34 mm Flame retardant black ABS
Interfaces	■ CAN: 500 Kbit/s
Inputs	■ Serial interface Emergency Switch Line: Open or shorted
Power	■ Iridium Interface: 12V/24V, up to 900 mA
Output	■ Daisy Chaining: 12V/24V, up to 2500 mA
Power Consumption	■ Operating Mode: 40 – 550 mA
	■ Sleeping Mode: 1.1 mA
Connectors	■ 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.
	■ 12-pin Molex 4302-1200: Iridium
Installation	■ Single Wire: Emergency
	■ Keyed mini-USB plug connects to GO9 or another IOX™ harness.
	■ 12-pin plug connects to Iridium unit

Installation Instructions

1. Start with the Geotab GO9 device unplugged from the vehicle. Remove the blue IOX expansion port cover on your GO9.

2. Plug in the 90° USB connector of the IOX to the GO9. Secure the USB connector using a zip tie, being careful not to over tighten it, damaging the USB.

   Note: The USB can only be inserted in one orientation (shown in image).
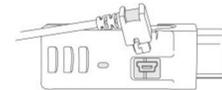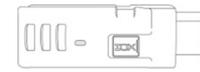
3. Choose an appropriate mounting location for the satellite modem. Keep in mind that the mounting location you have chosen for the GO9 and the length of wiring on the IOX-SATIRDv2 can influence the available locations to mount it. The modem location must not interfere with the safe operation of the vehicle.

4. The Iridium satellite antenna is a magnet mount antenna; however, a ring of two-sided tape has been added to the bottom of the antenna to cater for mounting on plastic. The antenna location cannot interfere with the safe operation of the vehicle or obstruct the driver's field of vision outside the vehicle in any way.

5. The antenna can be mounted below a dashboard provided there are no metallic objects or other obstructions directly above, that could interfere with satellite reception.
   It is highly recommended to mount the antenna out of site and secured with at least one zip tie.

6. The antenna and IOX-SATIRDv2 cable are both connected to the satellite modem at the same end as the status LEDs. The LEDs indicate RED (power) and GREEN (connectivity).
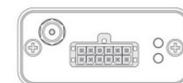
7. Once your connections to the IOX-SATIRDv2 wiring have been made, connect the GO9 to the engine diagnostic port and immediately start the vehicle. Remember, your GO9 is now in debug mode.

8. ## Important!

   Once you have completed all aspects of the installation, please ensure you call our Customer Service Team on **1300 653 395**, Option 1 and quote the relevant Company Name, Device Serial Number and Vehicle Details (e.g. Make & Model, Rego, Odometer & VIN Number) to confirm that the device is installed and tracking correctly. They can also update the vehicle's details in the client's database.