

# Globalstar

## Simplex Data for Tracking & Monitoring

**pivotel.**  
data everywhere®

Globalstar Simplex Data is a one-way store and forward data service with very low power requirements and low cost hardware. Globalstar Simplex is ideal for long term tracking and event monitoring of unpowered assets anywhere. Modules are available for hardware developers and market ready “place and forget” tracking devices are available with multiple years’ of service from a single set of batteries – just fit and forget with no technical installation required. Low cost, market ready worker safety solutions are available too! Globalstar provides coverage across most of the earth’s land masses and coastal zones.

### Globalstar Simplex – features:



Near global coverage



Suits mobile applications



Low power consumption



Easy installation

### Use Globalstar Simplex for:



Tracking

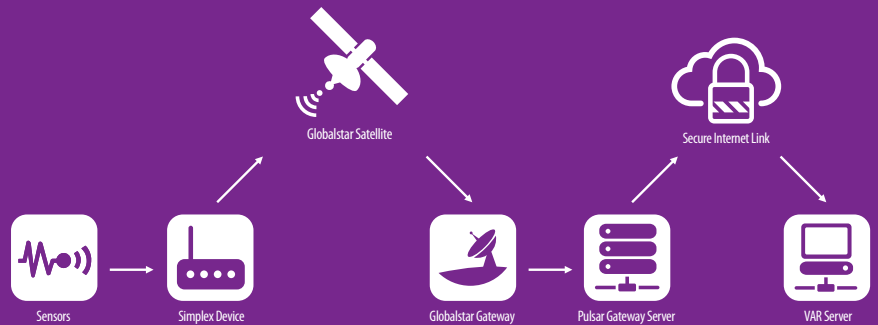
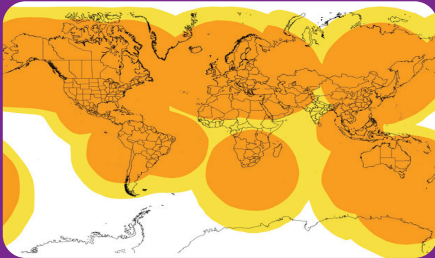


Event alerts



Occupational health & safety

### Globalstar Simplex – coverage:



Pulsar® is a global, cloud based satellite M2M platform that has been empowering satellite M2M application providers since 2006. With a network and device agnostic messaging API, supported by a high availability network and server architecture, Pulsar® is the only choice to support your satellite M2M enabled end user application. Add the Pulsar® online portal for 24x7 device activation, message management and reporting and you have the complete satellite M2M partner for whatever remote connectivity solution your application requires.

### Pulsar® enabled Globalstar Simplex – supported hardware examples:

#### STX3

##### Simplex Module

The world's smallest satellite transmitter module with low power demand. Designed for surface mounting in your device.



#### SmartOne

##### Battery Powered Tracker

Up to 3 years battery life from a single set of off-the-shelf AA Lithium batteries. Supports 2 wired alarm inputs and automotive line power.



#### MMT

##### Long Life Battery Powered Tracker

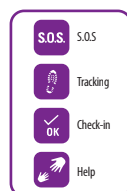
Up to 7 years battery life with motion activated tracking. Perfect for tracking remote assets over an extended period – just place and forget.



#### SPOT GEN3

##### GPS Satellite Messenger

Handheld OH&S device that provides Check-in/OK, SOS and tracking functions for remote workers.



# Technical Specifications

## STX3 Simplex Module

Dimensions	28.7mm x 20.6mm x 4.2mm					
Weight	5 g					
PARAMETER	TEST CONDITIONS	MIN.	TYP	MAX	UNIT	
TX output power	-40-85° C, Vcc=Vrf=3.3 volts, 50 ohm load	17.0	17.5	18.0	dB	
Transmit mode supply current	-40-85° C, Vcc=Vrf=3.3 volts, 50 ohm load	315	325	350	mA	
Active mode supply current	25° C, Vcc = 3.3 volts		2.3	2.5	mA	
Standby mode supply current	25° C, Vcc = 3.3 volts		12	50	uA	
Sleep mode supply current	25° C, Vcc = 3.3 volts		8	40	uA	



## SmartOne Battery Powered Tracker

Dimensions	82.55 mm H x 165.1 mm W x 25.4 mm D					
Weight	385 g (with 4 batteries and mounting hardware)					
Operating Temperature	-30° to +60°C Note: The unit shall remain operational over the -40° to +85°C range, though may experience battery life and RF signal degradation					
Line Power	Up to 48 volts DC					
Battery Type/Life	4 Off-the-shelf 1.5v Lithium AA Batteries 3 years (2 updates/day)   Field replaceable					
Standards	SAE J1455 MIL STD 810   NEMA 4X / IP68   RoHS Compliant					
Alarm Messaging	Change Of Location, Motion, 2 Input Alarms, Accumulate Hour, Replace Battery					
Input Capability	1 Input Cable Provides Access to 2 Inputs (Dry contact type)					



## MMT Long Life Battery Powered Tracker

Dimensions	101.6 mm H x 279.4 mm W x 25.4 mm D					
Weight	612 g					
Operating Temperature	-30° to +60°C Note: The unit shall remain operational over the -40° to +85°C range, though may experience battery life and RF signal degradation					
Line Power	Not Supported					
Battery Type/Life	Globalstar Proprietary Lithium Battery Pack 7 years (2 updates/day)   Field replaceable					
Standards	SAE J1455   MIL STD 810   NEMA 4X / IP67					
Alarm Messaging	Motion					
Input Capability	Not Supported					



## SPOT GEN3 GPS Satellite Messenger

Dimensions	87.2 mm H x 65 mm W x 25.4 mm D					
Weight	114 g (with lithium batteries)					
Operating Temperature	-30° to +60°C					
Operating Altitude	-100m to +6500m					
Line Power	Micro USB 5V					
Battery Type/Life	4 AAA off the shelf batteries 4 AAA NiMH rechargeable batteries (NH12) Send 1250 check-in and custom messages on a single set of lithium batteries					
Standards	SAE J1455   MIL STD 810F   IPX7					
Message Support	Tracking/Check-in OK/Custom Message/Help/Help Cancel/SOS/SOS Cancel					

