



EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking



IRIDIUM SAT-TRACK 600



Palm-sized personal locator unit for tracking and monitoring of mobile law enforcement squads with integrated man down alert button

IRIDIUM SAT-TRACK 600 is a palm-sized locator unit for tracking and monitoring of mobile law enforcement squads with integrated "man down alert" button.

The IRIDIUM SAT-TRACK 600 displays the next level of tactical and distress tracking. Based on the advantages of the Iridium® satellite network, the device allows global operations and team member monitoring in real-time if required. An individual configured locating interval is also a possible setup.

The built-in GPS receiver allows accurate location tracking.

The Iridium SAT-TRACK 600 has got a strong, durable and rigid housing but due to his compact and lightweight shape there is no inhibition of movements.

An integrated "man down alert" button enables to start distress tracking for the emergency response team.

Using the Iridium® SBD service, the SAT-TRACK 600 is able to send tracking information from any place in the world using high-end encryption.

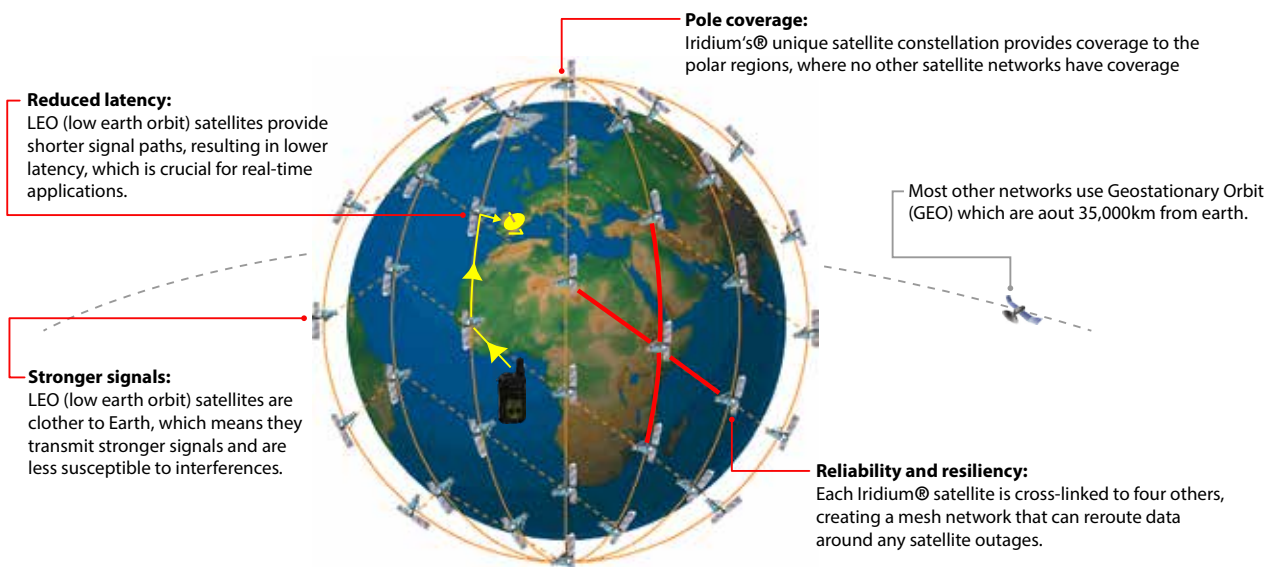
Highlight Features

- ✓ **Compact and lightweight but rugged for military usage**
- ✓ **Global operation with 100% coverage with Iridium® satellite network**
- ✓ **Real-Time-Tracking possible based on Iridium® SBD**
- ✓ **Secure position data transmission with high-end encryption**
- ✓ **Long lasting battery performance with USB-C charging**

What is Iridium®?

The Iridium® satellite network is a global constellation of low-Earth orbit (LEO) satellites that provide communication services to users around the world. The network is unique in that it offers truly global coverage, including the Arctic and Antarctic regions. This makes it an ideal platform for search and rescue (SAR) operations.

How does the Iridium® satellite network work?



Technical Data

Physical

- ✓ Dimensions: (L/W/H) 170 x 71 x 36 mm
- ✓ Weight: ~270 g
- ✓ Connections:
 - ✓ Iridium RF SMA(F)
 - ✓ USB-C (5 Volts)

Power

- ✓ Battery: Rechargeable Li-Ion, Capacity 3.35Ah @ 3.6V (12 Wh)
- ✓ Battery charging: connection to USB-C power socket

Functional

- ✓ Iridium Network:
 - ✓ Iridium 9603 SBD Modem
 - global coverage,
 - latency < 1 minute
- ✓ Iridium Frequency: 1616 - 1626 MHz
- ✓ GPS Receiver: up to 3 GNSS constellations (config.) -167dBm sensitivity, internal antenna, typical time to first fix (TFF) <30s
- ✓ Data Transmitted:
 - ✓ Time, Position, Status
 - ✓ Data Encryption
 - ✓ as required

Controls & Indicators

- ✓ Push Buttons:
 - ✓ TRACK
 - ✓ ALERT
 - ✓ I'M SAFE
- ✓ LED Indicators:
 - ✓ Position
 - ✓ Iridium
 - ✓ Track

Operation Modes:

- ✓ ON/TRACK - transmits location at regular intervals defined by user
- ✓ SOS - transmits distress message and location at regular intervals

Environmental

- ✓ Storage temperature: -55°C to +85°C
- ✓ Operating temperature: -20°C to +60°C
- ✓ Qualification
MIL-STD-810, Vibration, Waterproofed (Rainfall rate 4in/hr), Immersion (Shallow, 1m for 2hr), Immersion (Deep, 7.6m for 5min), Humidity, Salt fog, Shock, Fungus, Sand Dust
- ✓ EMC Certification: CA/CE Marking is in accordance with Iridium 9603 Modem

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Stand: 11/2024 - subject to alterations

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