

RockSTAR

Global satellite tracking, messaging and alerting for remote teams



RockSTAR is a rugged, portable satellite tracker and two-way messaging device for people working or travelling beyond cellular and Wi-Fi coverage.

Using the Iridium satellite network, it automatically reports GPS positions and allows users to exchange messages from virtually anywhere on Earth with a clear view of the sky. A dedicated Alert button can send a preset emergency message and location to nominated responders.

Users can operate RockSTAR directly through its screen and keypad or connect a compatible smartphone or tablet using Bluetooth and the RockCONNECT app. Device settings and multiple units can also be managed remotely through Ground Control's tracking platforms.

KEY FEATURES

Global tracking and two way messaging

Share GPS positions and exchange messages over the Iridium satellite network beyond cellular and Wi-Fi coverage.

Dedicated emergency Alert button

Send a preset alert and current position to nominated responders and activate Emergency Mode.

Geofence monitoring

Create a defined operating area and generate an alert when the device crosses its boundary.

Automated safety checks

Use scheduled check-ins or countdown timers to automatically raise an alert if the user does not respond or cancel the timer.

Configurable emergency tracking

Use a separate reporting frequency in Emergency Mode to provide more frequent position updates.

Rugged for demanding environments

The IP67 enclosure is dustproof, waterproof to 1 meter, and tested to MIL-STD-810G for vibration, temperature and shock.

Long battery life

Support extended remote deployments with up to approximately 400 days of operation, depending on reporting frequency, configuration and conditions.

Flexible messaging and configuration

Send preset messages from the handset or use the RockCONNECT app for free-text messaging and local configuration.

Remote visibility and management

View positions and remotely manage tracking intervals, alerts and device settings through supported Ground Control platforms.

TECHNICAL CHARACTERISTICS

PHYSICAL, ENVIRONMENTAL & POWER

Dimensions	144 x 76 x 36 mm
Weight	305 g
Display & Controls	26 x 35 mm OLED; five button keypad and protected Alert button
Ingress Protection	IP67; dustproof and waterproof to 1 m
Ruggedness	MIL-STD-810G for vibration, temperature and shock
Operating Conditions	-30°C to +60°C; <75% relative humidity
Charging	USB, 5 V DC
Battery	5.3 Ah LiPo
Battery Life	C. 26 days at 15 min reporting; 104 days hourly; 400 days every four hours*

SATELLITE & POSITIONING

Satellite Network	Iridium Short Burst Data
Satellite Modem	Iridium 9602
GPS Receiver	50-channel u-blox GPS receiver
GPS Performance	Up to 4 Hz; <1 s hot, <20 s warm and <60 s cold start

TRACKING, MESSAGING & SAFETY

Position Tracking	Automatic GPS reporting at configurable intervals
Messaging	Preset messages on-device; free text messaging via RockCONNECT
Emergency & Safety Alerts	Alert button, Dead Man's Switch and timer alerts with configurable emergency reporting
Geofence & Event Alerts	Geofence, collision, temperature and power loss alerts
Waypointing	Mark and transmit locations for viewing in CORE or Cloudloop Tracking

CONFIGURATION & CONNECTIVITY

Bluetooth	Bluetooth Low Energy
USB	Charging, data transfer, logs and firmware updates
Local Configuration	On-device menu or RockCONNECT app
Remote Configuration	Over-the-air configuration
Management Platform	CORE or Cloudloop Tracking, depending on service configuration
API	API access for tracking data and integrations

SUPPORTING ROCKSTAR

Accessories	Arm aquapack cover, Car phone charger, Additional USB cabling, mounting and soft pouch
SBD Data Plans	Contact us for help selecting the right data plan for your needs