



SKYTRAC RockAIR
 Portable Tracking System with Built-In
 Cellular and Iridium Satellite Connectivity



Compact carry-on tracking system for secure aircraft position tracking via Iridium and cellular communications.

The RockAIR is a truly global tracking and messaging device designed for use on the dashboard of light aircraft, rotorcraft and land-based vehicles. A cost-effective and global method of communicating with your assets, the RockAir ensures safety through location-based tracking anywhere from pole-to-pole.

RockAir has built-in cellular and Iridium radios, allowing for the use of terrestrial mobile phone networks, which dynamically switches to the Iridium satellite network when cellular is not available. The small form factor unit can be easily mounted using a quick-release mount that enables carry-on installation in seconds.

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Discover SKYTRAC
 Over its 35 year history, SKYTRAC has become the partner of choice for data-guided business insights. As an Iridium Aviation Partner, SKYTRAC is well-positioned to leverage Iridium Certus broadband to provide operators with leading capabilities.

Key Figures

SATCOM Expertise	35+ Years
SKYTRAC Customers	800+ Customers
Systems Certified	900+ Airframes
Global Presence	7 Continents / 100+ Countries



SKYTRAC is part of the ACR Group of companies.

PRODUCT OVERVIEW



TRACKING

The SKYTRAC RockAIR can automatically transmit a GPS position as often as once every 15 seconds, or as slowly as once every 24 hours.

By default, the RockAIR uses cellular networks when they're available and will switch to Iridium only when necessary.

This allows for significant cost-savings when utilizing the RockAIR for tracking functionality.

The device also allows tracking profiles to be set up for:

- Different report frequencies
- Changes in behaviour (e.g. following an alert button press, if external power is lost)
- Separate cellular or Iridium transmission profiles

Marking

The SKYTRAC RockAIR allows you to mark an unlimited number of waypoints that belong to up to four user-defined categories (e.g. geographical, industrial, etc.) as required.

Logging

Position and diagnostic data is saved and can be retrieved via a wired PC connection.

POWER

The SKYTRAC RockAIR is designed to be attached to the main power. If you are powering the RockAIR using the Micro USB cable, it is important to use a reputable USB adaptor which can provide at least 1.3 A @ 5V DC.

The SKYTRAC RockAIR also features an internal rechargeable battery that's used in the event of external power loss.

Backup Battery

The SKYTRAC RockAIR can be powered using a built-in Li-Ion Polymer battery, and will operate for up to 8 hours on a single full charge, when transmitting each minute.

MESSAGING

The RockAIR connects to your smartphone or tablet via SkyWeb flight following platform.

Use SkyWeb to:

- Send/receive text messages from cell phones
- Send/receive short email messages from any email address
- Send/receive text messages from the Operational Control Centre (OCC)

Watch Me and Alerting

The dedicated Watch Me button informs the OCC that you would like to be more actively monitoring for a specified period of time, giving additional piece of mind to pilots and drivers.

The dedicated Alert button notifies your first responders with a message about your precise location.

For more information, contact a connectivity expert at sales@skytrac.ca

SKYTRAC ROCKAIR DATA SHEET

FLEET TRACKING AND MESSAGING

Truly Global Coverage via Iridium® with configurable transmission rates

Built-in Cellular capability with dynamic switching to the Iridium® satellite network when needed.

Push-button functions including Power On/Off, Watch Me, Mark Waypoint, and Alert



Advanced connectivity with Bluetooth API, RS-232 port for M2M data, and 4 external switch inputs/alerts

PRODUCT HIGHLIGHTS

- Autonomous tracking via Iridium satellite and cellular
- Truly global 2-way communication system from anywhere on Earth
- Integrated Power Conditioning (8-32 V)
- Internal Battery Backup, allowing for up to 8 hours of operation on 1 minute Iridium transmissions
- Over-the-air reconfiguration of key parameters such as tracking frequency

PRODUCT SPECIFICATIONS

DIMENSIONS (W x L x H)

3.94 in. (100 mm) x 7.83 in. (199 mm) x 0.98 in. (25 mm)

WEIGHT

0.46 lbs (210 g)

OPERATING TEMPERATURE

-30 to +60 deg C

OPERATING ENVIRONMENT

<75% Relative Humidity

POWER REQUIREMENTS

- 9-30v DC input, or
- Micro-USB input
- Built-in backup battery

ENVIRONMENTAL TESTS

DO-160 Revision G

Note:

While the RockAIR has been tested to meet typical DO-160 environmental conditions, it is not certified for fixed installation on any airframe. It is intended to be used as a portable device at the discretion of the operator and/or pilot.

EXTENSIBILITY AND M2M

- Bluetooth API for custom apps
- RS-232 port for M2M data
- 4 external switch inputs/alerts

CERTIFICATIONS

CE, IC, FCC, DO160

Specifications subject to change. Contact sales@skytrac.ca for latest revision.