

Honeywell Aerospace

Honeywell is a leading global provider of integrated avionics, engines, wheels and brakes, mechanical system components and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations.

Sky Connect Tracker III

Honeywell



Find out more

For more information, visit us online at <http://dsi-hums.com>

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Honeywell

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**Iridium® satellite talk / text / tracking system
delivers powerful mission management
capabilities to enhance global flight operations.**

Next-generation mission management.

Sky Connect Tracker III, the heart of the aircraft operator's mission management system, is the newest member of the Sky Connect Tracker family. This feature-rich, next-generation successor boasts exciting new capabilities and a built-in path for future upgrades.

Easily installed on any aircraft platform, Tracker III is ideal for current Sky Connect Tracker customers, those using other systems, or anyone seeking a superior mission management system. Tracker III is the new technology core of the proven and trusted Sky Connect family, ensuring excellence in reliability, service and support.



Small and Powerful

Compact systems have always been a key benefit of Sky Connect Tracker products. New technology has made it possible to increase Tracker III's communications capabilities while also integrating the previously separate ARINC 429 converter unit. In fact, the new line replaceable unit (LRU) will fit existing installation trays, simplifying upgrades to Tracker III for existing Sky Connect customers.

Tracker III is an enhancement of its robust predecessor, providing significantly more capability within virtually the same form factor:

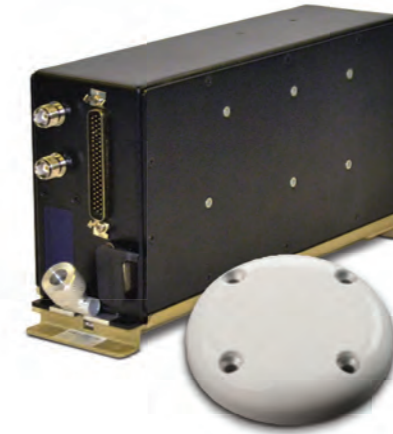
- Simultaneous tracking and voice capabilities allow vital tracking and urgent text messages to occur even during lengthy voice calls.
- A new capability called Last Position Vector (LPV) PowerBank enables the helicopter to send final position reports after the pilot powers down the aircraft or if any incident interrupts aircraft power.
- Installation is quick and easy with little disruption to operations. The new LRU fits the existing tray and wiring with minimal or no changes.
- A new OLED multipurpose display replaces LED status lights and enables simplified installation, configuration, status monitoring and troubleshooting.

The Tracker III also incorporates a Flight Data Monitoring function. It provides a means of collecting data from on-board systems through various interfaces to record and communicate aircraft performance and potential maintenance needs. User-configurable alerts can be generated based on threshold exceedance. Alert messages are communicated to the ground operations center using the Iridium satellite network.



Trusted Partner

Honeywell is a trusted provider of products that improve operational efficiency, customer service, and crew support. Our tracking, voice, text and mapping solutions are especially popular among offshore oil, aerial firefighting, and emergency medical operators. In addition to supporting efficient and effective fleet management, they provide constant awareness of the location and flight status of any aircraft operated in remote, austere or global locations and can automatically report urgent or emergency conditions.



Specifications:

MMU-II™	
Display:	dimnable 2-line, 32-character alphanumeric
Keypad:	backlit elastomeric keys
Controller:	push/turn multifunction mode controller
Memory:	high capacity directory with name and number
Option:	integrated text messaging
Mount:	DZUS-rail
Physical:	5.7 x 1.9 x 5.0 in. / 0.8 lb. min. panel depth 6.5 in.

Tactical Dialer	
Display:	dimnable LEDs and backlighting
Toggles:	pull-to-throw
Physical:	5.75 x 1.4 x 1.75 / 0.3 lb.

Aviation Transceiver	
Compliance:	DO-160D; STC (various)
Power:	12-32 VDC
Physical:	10.25 x 4.8 x 2.9 in. / 4.32 lb. Tray: 10.75 x 2.9 x 0.75 in.

Single Iridium® Antenna	
Compliance:	TSO C-144, DO-160D
Physical:	3.0 x 2.2 x 0.75 in. / 0.4 lb.

Dual Iridium® Antenna	
Compliance:	TSO C-144, DO-160D
Physical:	5.0 x 2.2 x 0.75 in. / 0.6 lb.

System Functionality

In addition to the basic Iridium® functions (voice/tracking/messaging), Tracker III incorporates the following capabilities:

- Shared antenna signaling for GPS and Iridium
- Integrated dual ARINC429 interfaces
- Web browser-based installation configuration
- POTS and 4-wire audio versions
- Over-the-air configuration
- Internal recording of high-res path data for post-flight review
- Transmission of high-res position data (TrueMiles™)
- Ability to send last position/power-down report after power loss (LPV PowerBank)
- Operation in extreme environments down to -55°C

Key Features

- Tracking – worldwide near real-time tracking of aircraft status, 3D location, flight route, ETA
- Text – worldwide two-way text messaging
- Voice – worldwide always-available voice telephone service
- Dual Voice – two separate voice telephone channels – one for the flight crew, one for the cabin
- Dual Mode – simultaneous tracking and voice services, with uninterrupted continual provision of both services