

AIRBORNE SATELLITE TELEPHONE



Specifications:

RCOM-100 Description:

- Full Duplex transmit and receive capability
- Data Packet Modem @ 9600bps
- Frequency Range:
 - Forward Link: 2484.39 to 2499.15 MHz
 - Reverse Link: 1610.73 to 1625.49 MHz
- Modulation: QUALCOMM CDMA Digital

Physical Specifications:

- 2 MCU Enclosure
- Height: 7.60 in. (193mm)
- Width: 2.35 in. (59.6mm)
- Length: 13.58 in. (345mm)
- Weight: 6.0 lbs (2.72kg)
- Power: 45 Watts
- Operating Temperature: -55c to +70c
- Operating Altitude: to 55,000 ft.

Certification:

Designed to: RTCA/DO-160D,
RTCA/DO-178B, RTCA/DO-262,
FCC CFR 47 Part 25 pending, FAA STC
and PMA pending

Antenna Description:

Low profile dual-band active antenna
provides excellent Globalstar operation

Physical Specifications:

- Height: 0.88 in.
- Width: 3.00 in.
- Length: 7.85 in.
- Weight: 16 oz.
- Temperature: -55c to +85c
- Altitude: to 55,000 ft.
- Material: 6061-T6 aluminum
- Finish: Skydrol resistant enamel
- Connectors: TNC Female (2)

Certification:

Designed to: DO-160C, MIL-C-5541,
MIL-E-5400, MIL-STD-810, TSO C129a

For further information:
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Globalstar™ Satellite Communication Services
Above and BeyondSM

The Globalstar network is comprised of 48 LEO (Low Earth Orbiting) satellites, with 4 additional orbiting spares. With a lower orbit, the network achieves an efficient link enabling use of a low profile antenna ideally suited for GA aircraft and helicopter applications. On any given call, multiple satellites may transmit the signal via QUALCOMM CDMA Digital technology to a satellite gateway where the call is then routed through the terrestrial telecommunications or packet data system. The result is clarity of voice, call security, reliability, faster data throughput, and unsurpassed value.

Cabin Communications

From your aircraft cockpit or cabin, Globalstar connects you through high quality air-to-ground, ground-to-air, and air-to-air voice communications, often with better voice quality than cellular networks. Make mobile-originated calls and receive incoming calls from anywhere via simple dial access. As a Globalstar airtime provider, ARNAV will compile one statement for all local and roaming call service.



Globalstar makes the airborne office a reality. Bridging the last thousand mile air gap, its true packet data network offers direct Internet connection and e-mail access at 3x or higher data rates than typical with satcom networks.

Flight Data Services

ARNAV Communications, ARCOMM, offers specialized aviation services through their VHF network or through Globalstar connection. ARCOMM is the official FAA Flight Information Service Data Link provider of aviation weather to the cockpit. Weather products include NEXRAD, METAR, TAF, AIRMET, SIGMET, CATMET, NOTAM, Winds Aloft, Significant Weather Turbulence, Icing, Convection Forecast, and miscellaneous Significant Weather graphical and text reports. ARCOM weather is available worldwide for the American Continents, Caribbean, North Atlantic, Europe, Asia and South Pacific.



Flight Tracking Services with automatic position reporting to multi-terminal PC Flight Dispatch Software permits secure asset management and recording of flight events. Text and graphic messages are easily exchanged between a PC Dispatch terminal and a cockpit Multi-Function Display. Fleet-wide flight tracking can be shared through low cost Internet TCP/IP connection or by secure encryption via frame relay through ARCOMM.

Optionally, Engine Trend Monitor health status records can be transmitted to appropriate engine and fleet maintenance authorities automatically.

The ARNAV RCOM-100 SatPhone is a single line, multi-port Globalstar transceiver!

The ARNAV RCOM-100 SatPhone Features:

- A standard telephone interface for installation flexibility
- Installation is facilitated through simple tip-and-ring connection to the ARNAV DialPad/Annunciator, and interfaces to an audio panel, headset, privacy handset, PC, or Multi-Function Display
- The DialPad/Annunciator alerts the passengers and crew to incoming calls or SatPhone In-use status

