

9505A Docking Station RST310

The Beam IntelliDOCK RST310 docking station provides access to intelligent communication services from a standard 9505A handheld Iridium terminal.



The IntelliDOCK Remote Satellite Terminal is a highly featured communications device providing intelligent voice, data and messaging communications.

Market Applications

The RST310 is designed for all remote communications applications for mobile or fixed use. These markets include Maritime, Transport, Defence, Emergency Services, Mining, Construction, and Recreational users and the like.

RJ-11 / PSTN Emulation

The IntelliDOCK provides an intelligent RJ11/POTS interface emulating all the standard features of a PSTN (Public Telephone Service) telephone service.

The user operates the connected equipment as though using a standard telephone connection, as the unit is equipped to provide selectable line voltages and currents for ring and service tones, along with off-hook detection.

The Intelligent interface allows for easy installation providing flexibility for maximum run cable length from the RJ11 port as well as the use of cordless and corded telephone equipment.



Intelligent Handset Interface

The RJ-45 Connector enables the use of a specific Integrated handset that includes built in ring alert and SMS functionality. (Cannot be used simultaneously with RJ11 Port)

PBX / In-building Integration

The IntelliDOCK can be easily integrated into a PBX system using the RJ11 connectivity. This enables calls to be made or received from any extension within a building via the satellite network.

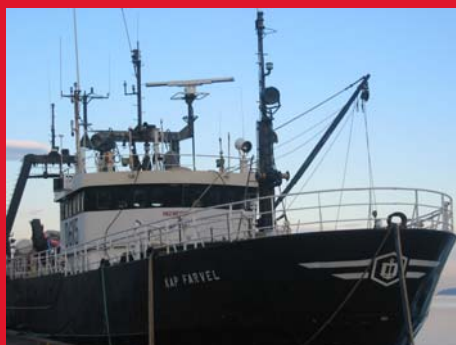
In-building integration is ideal for lower costs satellite to satellite calling as well as emergency backup to the PSTN networks.



In building / PBX Integration

Alert / Tracking Interface

The RST310 is capable of supporting the Beam TrackALERT interface. This will support deployment for tracking, monitoring and emergency alert installations. The TrackALERT interfaces are available with inbuilt or external GPS receivers.



Tracking Applications

RST310

Key Features

- Connect to PBX / Standard Phones
- Iridium Voice & Data Services
- SMS / SMSMO
- SMS POTS Capable
- Voice Mail
- Crew Calling
- Ship Security Alert System, Capable
- Tracking & Monitoring Capable
- Intelligent Processor & Interface
- Phone Number Processing
- Line Reversal for Pay phone use
- Secure SIM Card Enclosure
- Supports Intelligent Handsets
- Remote or Local Master Reset
- Local and Remote Configuration
- External Ringer available
- Supports Back up Battery / Solar
- Incorporates Call Logging
- Optional In-Vehicle Hands-Free Kit
- Fully Certified

SMS POTS Support

The IntelliDOCK Terminal allows the use of an SMS POTS handset.

SMS POTS is a new feature that enables selected standard type telephone handsets to support SMS functionality previously only available on more expensive Intelligent Type handsets.



The specialised handsets connect to the RST310's RJ11 connector and enable SMS messages to be sent, received and stored in the same way as a cellular phone operates. Cordless and corded options are available.

Fixed / Mobile Applications

The IntelliDOCK can easily be adapted to be used in conjunction with specialised installations. Some of these applications include Rural Community communications, In-vehicle and away from vehicle Communications and other applications where a mix of fixed and mobile communications is required.

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Voice Services

The IntelliDOCK provides access to all Iridium voice services, these services include;

- Standard RJ11 Voice Calls
- Intelligent Handset Voice Calls
- Crew Calling
- Post Paid / Pre-paid Calls

Data Services

A serial interface for PC connection and two way SMS provides access to the following Iridium data services.

- Dial-Up Data Service
- Direct Internet Data 10-12 Kbps
- Short Message Service (SMS)
- Short Burst Data (Selected Providers)

In-Vehicle Use

The Beam In-vehicle Hands-free kit for the 9505A provides the flexibility of having the IntelliDOCK for fixed location use whilst having the ability to have full hands-free voice communications and data connectivity for in-vehicle requirements.



The optional In-vehicle hands-free kit for the RST310 provides the flexibility of having a fully integrated system into any type of vehicle for safe hands-free use.

Power Inputs / Backup Battery

The IntelliDOCK terminal is supplied with a universal AC power supply. The unit can also be connected directly to an 11-32V DC input.

An optional Beam Battery Backup, can provide 24 hours Standby time and 2 hours of talk time. The terminal is also capable of being Solar Powered.



Ideal for All Remote Locations

Configuration

The Intelligent processor inside the IntelliDOCK interface enables the terminal to be configured remotely or locally. Locally it can be simply configured with a PC using the Beam Management System (BMS) software supplied with the TrackALERT terminal.

Whilst using the BMS is the most simple, it is also possible to configure most of the fields by sending commands to the terminal using either SMS.

Phone Number Processing

The RJ11 port is capable of being programmed to pre-empt such dialing codes as the international access of "00" country codes and or area codes.

The intelligent number processing is ideal for various applications to enable ease use by any user. It is also possible to enable the programming of direct Emergency Number Numbers and short code voicemail box numbers as required.

Installation

The RST310 can be deployed for various applications. Selecting an appropriate antenna and antenna cable for the installation is very important for optimum performance. Mounting brackets, configuration CD and a 110/240 AC/DC plug pack is included with the terminal.

The RST310 provides great flexibility for various installations. The RJ11 socket will support 3 REN, which allows long distances of standard telephone wire to be run. This minimizes the need for long antenna cable runs in most installations.

Specifications

Function	Specification	
Power		
Input Power	11 - 32V DC	
Visual Indication		
Power	LED Front Panel	
Call	LED Front Panel	
Signal	LED Front Panel	
SMS	LED Front Panel	
Voicemail	LED Front Panel	
Dimensions		
Length	225 mm	
Width	271 mm	
Height	45 mm	
Weight	2.25kg	
Temperature		
Operating	0C to +50C	
Storage	-30C to +70C	
Humidity	<85%non condensing	
Power Consumption	12 v	24 v
Standby	0.35	0.16A
Transmit	0.51A	0.25A
Standby *	0.47A	0.22A
Transmit *	0.59A	0.29A
* With Intelligent Handset		

Installation overview

