iridium PotsDOCK 9555

BEAM

REMOTE SATELLITE SYSTEMS
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iridium PotsDOCK 9555

PotsDOCK 9555 is an intelligent compact docking station specifically designed for the Iridium 9555 satellite handset. **PotsDOCK** allows the 9555 handset to be used in a wide variety of applications using an intelligent RJ11/POTS connectivity that supports standard corded, cordless or DECT handsets, or alternatively interfaced with a PBX system.

PotsDOCK also has an in-built Bluetooth module for voice and data connectivity along with an intelligent tracking and alert reporting system that can be easily configured to support periodic polling or emergency alert reporting.

The cleverly designed **PotsDOCK** cradle simply and securely docks the Iridium 9555 handset into place ready for use and fully integrates antenna, power and data connectivity into a single streamline unit.

The 9555 handset is easily inserted and removed by the press of a button on the top of the dock, making it very easy for use out of the dock at anytime.

PotsDOCK also supports the use of an optional compact Beam Privacy Handset that can be located next to the **PotsDOCK** for added convenience if required.

PotsDOCK 9555

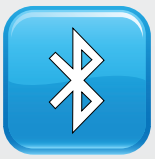
PotsDOCK 9555 with optional Privacy Handset

GPS

ALERT

TRACKING

POTS/RJ11



BLUETOOTH

USB DATA

APPLICATIONS

Fishing Boat

Luxury Yacht

Trawler

Cargo Vessel

Cruise Ship

KEY FEATURES AND BENEFITS

POTSDOCK 9555 CRADLE

- Securely holds 9555 Handset
- Robust design and construction
- Charges 9555 handset ready for use
- Integrated antenna connection
- Integrated USB connectivity

POTS/RJ11

- Supports standard cordless & corded telephones (5 REN)
- RJ11 can be run 600m (2000 ft) from unit
- Corded, Cordless or DECT handsets
- Easily integrated to PBX system
- Ring, Busy & Dial tones
- Superior voice quality

TRACKING/GPS

- Tracking & Alert Monitoring capable
- Periodic Position reports or remotely polled
- Triggered position status message
- In-built GPS engine
- Interfaces to Beam's LeoTRAK-Online
- Also compatible with other tracking applications

PANIC/ALERTS

- Panic Alert button in-built to cradle
- Option of additional wired alert buttons
- Interfaces to Beam's LeoTRAK-Online

INTEGRATED BLUETOOTH

- Bluetooth in-built in cradle
- Supports Bluetooth Voice & Data Accessories

IN-BUILT RINGER

- In-built ringer for enhanced ring indication

VOICE, DATA, SMS, SBD

- Supports all Iridium voice, data, SMS & SBD services
- Access to prepaid, Post Paid & Crew Calling

PRIVACY HANDSET

- Supports optional Beam Privacy handset
- Auto sensing answer/hang-up intelligence

INSTALLATION

- Supports 9 - 32V DC power Input
- Flexible installation via universal mount, also suitable for wall mounting
- Supplied with 110 - 240V AC Plug pack
- Handset always charged ready for use

QUALITY

- Professional Industrial design
- 2 year peace of mind with a replacement guarantee
- 100% factory tested
- Full certified, Iridium, RoHS, CE, IEC60945

TRACKING / ALERT MONITORING

PotsDOCK has an inbuilt GPS module that can provide simple tracking, monitoring and alert management of various marine vessels from small recreational boats to larger commercial and fishing vessels.

The GPS provides pinpoint accuracy and enables tracking worldwide, tracking and alert messages can be sent via SMS or Short Burst Data, if provisioned on the handset.

PotsDOCK's tracking and alert messages can be simply sent to Beam's LeoTRAK-Online or any other tracking application or email address as required.

Tracking messages can be sent from the PotsDOCK via the following means;

1. Periodic position reporting, preset during configuration of the terminal
2. Upon an alert being activated via the Alert button on the cradle or connected alert button
3. A current location position can be sent at any time by pressing the Track button on the front of the PotsDOCK

Alert/Alarm messages can be activated on the PotsDOCK using the two button press on the front of the cradle or alternatively an additional alert button or other trigger can be connected to the unit. Once configured the alert system is always on and will generate an alert message to the preset destination once triggered. Alerts can be triggered to continually send until the alert is cleared either remotely or locally on the PotsDOCK unit.

LEOTRAK-ONLINE GLOBAL TRACKING PORTAL

LeoTRAK-Online is Beam's own global web based alert monitoring and tracking application which for a small monthly fee per asset enables you track, trace and monitor anywhere on earth through a simple to use web portal. For more information about LeoTRAK-Online and associated charges please visit www.leotrakonline.com

PotsDOCK 9555 TECHNICAL SPECIFICATIONS

IRIDIUM NETWORK	
9555 Handset	1616 - 1625 MHz
Compressed Data	10 - 12 kbps
Voice/Data Modulation	2.4 kbps

PotsDOCK 9555 CRADLE

Power Specifications	
Power Input Voltage	9 - 32V DC, 2A max
Power Consumption at 12V DC	
Stand-by* - incl handset & RJ11	1.1W (90mA @ 12Vin)
Transmit - incl handset & RJ11	6W (0.5A @ 12Vin)
* When battery charged	

GPS Module (internal)	
Channels	14 tracking, 51 Channel Acquiring
Update Rate	1Hz
Accuracy	Position 2.5mCEP, Velocity 0.1m/s, Timing 300ns
Acquisition TTFF	Cold 29sec, Hot 1sec
Sensitivity	–161 dBm
Operational Limits	Altitude 18000m , Velocity 515m/s
Dynamics	4G

Physical Specifications	PotsDOCK	Packed
Dimensions - mm	200 x 75 x 65	325 x 140 x 88
Dimensions - inches	7.9 x 3.0 x 2.7	7.2 x 5.1 x1.0
Weight - kg	0.32	1.3
Weight - lbs	0.7	2.86

Environment Specifications	Degrees °C	Degrees °F
Operating Range	-30 to +70	-22 to +158
Storage	-40 to +85	-40 to +185
Humidity	≤93% RH	

I/O Alarm/Alert	
Alert Button	Inbuilt on PotsDOCK - 2 Key Press
1 x Alarm Loop	Bare Wire - "Normally Closed" Loop IN to OUT Up to 500m cable run/multi buttons
Track	Inbuilt - single key press

Connectors/Interfaces	
POTS/RJ11	RJ11/2-wire, complex or 600 Ω, 5REN, 600m adjustable dial/busy tones/frequency, adaptive Z
Iridium - Antenna	Fixed Cable to TNC-Female
GPS-Antenna	Fixed Cable to SMA-Female
9-32 V DC	4-way microFit (AC/DC adator, or DC lead)
Privacy Handset Port	4 pole 3.5mm jack
Data Port	USB Mini Base of Dock
Bluetooth Voice/Data	Inbuilt module/antenna, class 1 (up to 300m) Bluetooth system 2.0v+EDR, CE and FCC

Buttons/LEDs	LED
Bluetooth	Blue/Orange
Alert	Red/Orange
Mute/Ringer	Red
Backlight	White LED
Handset Release	Top of Cradle, No LED

Certifications

Iridium
Electrical Safety
EMC Compliance
CE Compliance
RoHS
C Tick

Independent Aeronautical certification **MUST** be gained prior to installation

ACCESSORIES

RST702	Dual Mode Iridium/GPS Mast Mount Antenna
RST705	Dual Mode Iridium/GPS Magnetic Mount with 6m of cable for each attached
RST710	Iridium Mast Mount Antenna
RST715	Iridium Magnetic Mount Antenna incl 5m cable
RST725	Bluetooth Headset incl car charger
RST755	Beam Privacy Handset
RST932	6m/18ft Iridium Cable Kit
RST933	12m/36ft Iridium Cable Kit
RST942	6m/18ft GPS Cable
RST923	12m/36ft GPS Cable

KIT CONTENTS

Beam PotsDOCK Cradle
Universal Mounting Bracket (RAM)
110 - 240V AC Plug Pack
9 - 32V DC Power Cable
User Manual
Quick Start Guide

BUNDLE PACKS AVAILABLE*

Voice Bundle
Voice and Tracking Bundle

** See your Beam Approved Reseller*

APPROVED BEAM RESELLER:

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