



Land Solutions

Sea Solutions

Air Solutions



# PotsDOCK 9555

## 9555PD



Voice



RJ11/Pots



Data



GPS



Tracking



# BEAM

# iridium PotsDOCK 9555

## 9555PD

- Global Coverage
- Alert Notification
- In-built Tracking GPS
- RJ11/POTS Interface



**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 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.



In-Building



Motor Homes /  
Recreational  
Vehicles



Cruise Ship /  
Large Vessels



Position  
Reporting



Emergency  
Services

## KEY FEATURES

### 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
- Also compatible with other tracking applications

### PANIC/ALERTS

- Panic alert button in-built to cradle
- Option of additional wired alert buttons

### INTEGRATED BLUETOOTH®

- Bluetooth® in-built in cradle
- Supports Bluetooth® voice 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 in-built GPS module that can provide simple tracking, monitoring and alert management in various applications within various types of vehicles, vessels or fixed site locations.

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 via SMS or email address as required.

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

- Periodic position reporting, preset during configuration of the terminal
- Upon an alert being activated via the Alert button on the cradle or connected alert button
- 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.

## EQUIPMENT OVERVIEW



## TECHNICAL SPECIFICATIONS

| IRIDIUM NETWORK                                       |                                                                                        |                  |
|-------------------------------------------------------|----------------------------------------------------------------------------------------|------------------|
| 9555 Handset                                          | 1616 - 1625 MHz                                                                        |                  |
| Compressed Data                                       | 10 - 12 kbps                                                                           |                  |
| Voice/Data Modulation                                 | 2.4 kbps                                                                               |                  |
| POWER SPECIFICATIONS                                  |                                                                                        |                  |
| Power input voltage                                   | 9 - 32 V DC, 2A max                                                                    |                  |
| Power Consumption at 12V DC                           |                                                                                        |                  |
| Stand-by (when battery charged) - incl handset & RJ11 | 1.1W (90mA @ 12Vin)                                                                    |                  |
| Transmit - incl handset & RJ11                        | 6W (0.5A @ 12Vin)                                                                      |                  |
| GPS MODULE                                            |                                                                                        |                  |
| 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                               | UNIT ONLY                                                                              | PACKED           |
| Dimensions - mm                                       | 200 x 75 x 65                                                                          | 325 x 140 x 88   |
| Dimensions - inches                                   | 7.9 x 3.0 x 2.6                                                                        | 12.8 x 5.5 x 3.5 |
| Weight - kg                                           | 0.32                                                                                   | 1.3              |
| Weight - lbs                                          | 0.7                                                                                    | 2.86             |
| ENVIRONMENT SPECIFICATIONS                            |                                                                                        |                  |
| Operating Temperature                                 | -30 to +70 °C                                                                          | -22 to +158 °F   |
| Storage Temperature                                   | -40 to +85 °C                                                                          | -40 to 185 °F    |
| Humidity                                              | 93% non condensing                                                                     |                  |
| I/O ALARM / ALERT                                     |                                                                                        |                  |
| Alert Button                                          | In-built on PotsDOCK - 2 Key Press                                                     |                  |
| 1 x Alarm Loop                                        | Bare Wire - "Normally Closed" Loop<br>IN to OUT<br>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 adaptor, or DC lead)                                                 |
| Privacy Handset Port                                                                   | 4 pole 3.5mm jack                                                                          |
| Data Port                                                                              | USB Mini Base of Dock                                                                      |
| Bluetooth® Voice only                                                                  | Inbuilt module/antenna, class 1 (up to 300m) Bluetooth® system 2.0v+EDR, CE and FCC        |
| BUTTONS/LEDs                                                                           |                                                                                            |
| Bluetooth®                                                                             | Blue/Orange                                                                                |
| Alert                                                                                  | Red/Orange                                                                                 |
| Mute/Ringer                                                                            | Red                                                                                        |
| Backlight                                                                              | White LED                                                                                  |
| Handset Release                                                                        | Top of Cradle, No LED                                                                      |
| CERTIFICATIONS                                                                         |                                                                                            |
| Iridium Approved                                                                       |                                                                                            |
| Electrical Safety                                                                      |                                                                                            |
| EMC Compliance                                                                         |                                                                                            |
| CE Compliance                                                                          |                                                                                            |
| RoHS                                                                                   |                                                                                            |
| C Tick                                                                                 |                                                                                            |
| <b>Independent</b> Aeronautical certification <b>MUST</b> be gained prior installation |                                                                                            |
| KIT CONTENTS                                                                           |                                                                                            |
| Beam PotsDOCK Cradle                                                                   |                                                                                            |
| Universal Mounting Bracket (RAM)                                                       |                                                                                            |
| 110 - 240V AC Plug Pack                                                                |                                                                                            |
| 9 - 32V DC Power Cable                                                                 |                                                                                            |
| Quick Start Guide                                                                      |                                                                                            |
| User Manual                                                                            |                                                                                            |

## ACCESSORIES

|        |                                                       |
|--------|-------------------------------------------------------|
| RST702 | Dual Mode Iridium/GPS Mast Mount Antenna              |
| RST705 | Dual Mode Iridium/GPS Magnetic Mount with 6m of cable |
| RST710 | Iridium Mast Mount Antenna                            |
| RST715 | Iridium Magnetic Mount incl 5m of 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         |

APPROVED BEAM RESELLER

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