

# IsatDock MARINE



**BEAM**

# IsatDock MARINE

## ISD MARINE



- ▶ **Intelligent POTS/RJ11 Interface**
- ▶ **Alert and Tracking Functionality**
- ▶ **Active Privacy Handset**
- ▶ **High Quality Marine Enclosure**

Beam IsatDock MARINE is an IP54 rated intelligent docking station for the IsatPhone Pro specifically designed for maritime application. The MARINE Dock supports voice services via Bluetooth, RJ11/POTS, handsfree speakerphone or the active privacy handset. The handset is completely enclosed in the docking unit whilst still giving full access and functionality to the user.

The IsatDock MARINE supports Tracking & Alert functionality via the dedicated in-built GPS engine. Tracking messages can be pre-configured to support periodic reporting, manual position report update via button press, remote polling or the sending of an emergency alert messages all via SMS or SMS to email. The MARINE Dock also supports the installation of an external alert button that can be installed in a convenient location.

IsatDock MARINE allows the IsatPhone Pro handset to be used in a wide variety of maritime applications, the intelligent RJ11/POTS interface enables cable runs of up to 600m to connect standard corded, cordless or DECT handsets to be used or alternatively interfaced with a PBX system presenting standard ring, busy and dial tones like a standard phone network.

The IsatPhone Pro handset, fits securely in the dock which is also key lockable, other features include phone charging, USB data port, in-built ringer and allows antenna and power to be permanently connected to the Dock ready for use.



**Cargo Vessels**



**Luxury Yacht/  
Leisure Boats**



**Marine Oil/  
Drilling Rigs**



**Fishing Vessel**

## KEY FEATURES

### DESIGN

- High quality marine enclosure
- IP54 Rated enclosure
- All-in-one design
- Complete cover over IsatPhone Pro
- Key lockable & securable to wall/desk
- Wall or desk mounting options
- Accessible control buttons
- Integrated antenna connections
- Slimline privacy handset
- Integrated antenna connections
- In-built speakerphone
- Cable routing LHS/TOP/BOTTOM

### BUTTONS ON DOCK

- Ringer volume up/down
- In-call volume up/down
- In-call mute
- Track button
- Alert 2-button press
- Speaker/handsfree button

### INTELLIGENT POTS/RJ11 INTERFACE

- Support up to 600m of RJ11
- Dial, ring & busy tones
- Integrated to PABX System
- Support standard corded & cordless phones
- Auto-dial & speed dials available

### POWER

- 10-32V DC Input
- 1 10-240V AC plug pack

### ALERT & TRACKING FUNCTIONALITY

- Supports Beam LeoTRAK-Online
- Dedicated internal GPS receiver
- TRACKING
  - Periodic location messages
  - SMS, SMS to email
  - Location message sent upon button press
  - Ignition ON/OFF reporting
  - Remote location polling via SMS
- ALERT MODE
  - 2 Button press on docking station
  - Periodic alert location messages
  - Supports external "panic alert" pedant or button
  - Remote clearing of alert via SMS
- TRACKING MESSAGE CONTENT
  - Message ID#
  - Header
  - Latitude/Longitude
  - Speed
  - Direction
  - Altitude

### OTHER KEY FEATURES

- Active privacy handset
- In-built handsfree speakerphone
- Status LED with adjustable brightness
- USB data access



Charging



Docking



POTS/RJ11



USB



Privacy Handset



Handsfree



Tracking



Global Alert

## TRACKING/ALERT MONITORING

IsatDock MARINE 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 SMS to email.

IsatDock MARINE tracking and alert messages can be simply sent to Beam's LeoTRAK-Online or any other tracking application.

Tracking messages can be sent from the IsatDock MARINE 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 IsatDock MARINE

Alert/Alarm messages can be activated on the IsatDock MARINE 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 IsatDock MARINE unit.



## TECHNICAL SPECIFICATIONS

AVERAGE POWER CONSUMPTION CURRENT @ 12V	AVERAGE	WATTS
Power w/o IsatPhone Pro	130mA	1.6W
Standby + Charging	360mA	4.3W
Transmit + Charging	875mA	10.5W
Sleep Mode	5mA	60mW
Peak Current	3.5A	42W
PHYSICAL SPECIFICATIONS		
Dimensions	270 x 189 x 101 (mm)	10.6 x 7.4 x 4 (inches)
Weight - Dock	1.66kg	3.67lbs
Total Kit Weight	2.72kg	5.99lbs
ENVIRONMENT SPECIFICATIONS		
Operating Range	-30°C to +70°C	-22°F to +158°F
Storage	-35°C to +85°C	-31°F to +185°F
Battery Charging Temp*	0°C to +45°C	32°F to +113°F
Humidity	<= 75% RH	
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	
CONNECTORS / INTERFACES		
POTS/RJ11	RJ11/2-wire, 5REN @ 600m, Adjustable dial, ring, busy tone configured frequency and adaptive impedance.	
Inmarsat Antenna	TNC-Female	
GPS Antenna	SMA-Female	
10-32 V DC	4-way microFit (AC/DC adator, or DC lead)	
Privacy Handset Port	RJ9 connector	
Configuration/Data	USB Micro	
Speakerphone	In-built speaker and microphone	

<sup>#</sup> It is ideal for the ambient temperature to be approximately 18 degrees below the 45°C upper limit for the handset to charge the battery whilst docked.

I/O Alarm/Alert	
Alert button in-built	Two button press
1x alarm loop	Bare wire - "Normally Closed" loop IN to OUT
Track	In-built single key press
CERTIFICATIONS	
Inmarsat Type Approval	
FCC	
CE Compliance	
Electrical Safety	
RoHS	
IP54 Rating	
Industry Canada	
C-Tick	
EMC compliance	
ACCESSORIES	
LTO	LeoTRAK-Online
ISD710	IsatDock Maritime Active Antenna
ISD932	IsatDock 6m SMA/TNC Active cable kit
ISD933	IsatDock 13m SMA/TNC Active cable kit
ISD934	IsatDock 18m SMA/TNC Active cable kit
ISD935	IsatDock 31m SMA/TNC Active cable kit
RST055	Beam UPS Battery Pack
RST410	Alert Pendant kit
KIT CONTENTS	
IsatDock MARINE	
110-240V AC Plug Pack	
Privacy Handset	
10-32V DC Power Cable	
2m Alert wiring loop	
Handset lock key	
User Manual & Quick Start Guide	
Wall Mounting Plate	

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