inmarsat

IsatDock
DRIVE

BEAM

IsatDock DRIVE

ISD Drive

- Hands-free calling
- Alert & tracking functionality
- Compact installation
- Supports privacy handset

Beam IsatDock DRIVE In-vehicle hands-free docking station provides a high quality semi-permanent installation for the Inmarsat IsatPhone Pro. The docking station has in-built echo cancelling and full duplex technologies to provide superior voice quality and professional hands-free or privacy calls for various transport application.

The IsatDock DRIVE 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 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. The IsatPhone Pro handset is easily inserted and removed by the press of a button on the top of the dock making it very easy to use away from the dock when required.

IsatDock DRIVE also supports the use of an optional active privacy handset, that can be easily added to the IsatDock DRIVE.

Recreational / 4WD vehicles

Commercial Vehicles / Buses and Trains

Emergency Vehicles

Motor Home/ Caravan

BEAM

KEY FEATURES

DESIGN
- Slimline design
- High quality ABS plastic
- Single action insertion mechanism
- Insertion guides
- Single button release
- Key lockable
- RAM universal mounting bracket
- Integrated cable assemblies
- Robust GSPS/GPS antenna connection
- Accessible control buttons
- Compact external speaker and microphone

POWER
- 10-32V DC Input
- 110-240V AC plug pack, optional

BUTTONS ON DOCK
- Ringer volume up/down
- In-call volume up/down
- In-call mute
- Track button
- Alert 2-button press

INTEGRATED HANDSFREE
- Superior echo cancellation
- Full duplex
- Supports privacy handset, optional accessory

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
- USB data*
- Phone charging
- Horn alert/light integration
- Compact installation
- Privacy handset auto answer/hang up (optional)

Charging | Docking | Handsfree | Horn Alert | Global Alert | Tracking | Privacy Handset | USB

TRACKING/ALERT MONITORING

IsatDock DRIVE 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 DRIVE 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 DRIVE 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 DRIVE

Alert/Alarm messages can be activated on the IsatDock DRIVE 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 DRIVE 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	230 x 84 x 80 (mm)	9.1 x 3.3 x 3.2 (inches)
Weight - Dock	0.67kg	1.47lbs
Total Kit Weight	1.67kg	3.68lbs
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	
I/O ALARM/ALERT		
Alert Button In-built	Two button press	
1 x alarm loop	Bare wire - "Normally Closed" loop IN to OUT	
Track button built-in	In-built - single key press	

CONNECTORS / INTERFACES	
Inmarsat Antenna	TNC-Female
GPS Antenna	SMA-Female
10-32 Volt DC	4-way microFit (AC/DC adaptor, or DC lead)
Privacy Handset Port	RJ9 connector
Speaker	2-way microFit
Microphone	2-way microFit
Configurations/ Data*	USB micro
CERTIFICATIONS	
Inmarsat	
FCC	
CE Compliance	
Electrical Safety	
RoHS	
Industry Canada	
C-Tick	
EMC compliance	
ACCESSORIES	
LTO	LeoTRAK-Online
ISD715	IsatDock Transport Active Antenna (Magnetic)
ISD720	IsatDock Transport Active Antenna (Bolt)
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
ISD955	Privacy Handset
RST055	Beam UPS Battery Pack
RST410	Alert Pendant kit
KIT CONTENTS	
IsatDock DRIVE	
10-32V DC power cable	
Universal mounting bracket (RAM)	
Handset locking key	
User manual & Quick start guide	
Speaker & Microphone	

* Data services available Q1 2011

\# 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.

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