

Oceana 800



Oceana 800



- Use standard telephone handsets
- Speakerphone/Handsfree
- Active Privacy Handset
- Tracking and Instant Messaging
- SMS / Voice / Data Services
- “505” Emergency Calling

The Beam Oceana 800 is designed to operate with the Inmarsat GPS, IsatPhone Link and FleetPhone SIM's to provide reliable voice, data and SMS communication services to anyone in a remote location on land or sea or for emergency backup communications. For a maritime installation the 505 Emergency Calling facility from the OC800 puts vessels directly in contact with a maritime rescue co-ordination centre (MRCC) free of charge.

A Beam active Mast Mount Antenna (ISD710) is supplied with the Oceana 800 to provide a complete integrated solution that is ready for use anytime, anywhere. Whilst the terminal was purposely designed for maritime applications to meet an IP54 ingress rating making the terminal suitable for on-board vessel communications the terminal can easily be used in any land based fixed site application.

The terminal has a dedicated full color display, inbuilt phone book and SMS inbox, the integrated privacy handset or the inbuilt speaker phone enables the user to have private or hands-free calling. The terminal is designed to be wall or desk mounted and the terminal is provided with a spring loaded hang-up cup for the privacy handset when the unit is wall mounted.

Featuring an intelligent RJ11/POTS interface, it enables connection of up to 5 standard corded/cordless phones or integration to a PABX system. It can support cable runs of up to 600m (2000ft) and incorporates in-built intelligence to support standard ring, busy and dial tones.

The Oceana 800 has an integrated GPS engine providing intelligent tracking and instant message reporting via SMS. The Tracking and Instant Message functionality can be configured to support automated periodic polling or instant message reporting with a single button press. Oceana 800 has an integrated Bluetooth for voice communications, intuitive color LCD display that provides easy and convenient access to send and receive SMS or to retrieve phone numbers stored in the terminal. Also included is a secondary SIM socket to override internal SIM, in-built handsfree speakerphone, USB data, desk or wall mountable.



Cargo Vessels



In-Building – PABX Integration



Luxury Yachts



Mining Sites

DESIGN

- High quality IP54 rated maritime enclosure
- Colour LCD screen
- Compact all-in-one design
- Wall or desk mounting options
- Lock bolt for securing to wall
- Accessible control buttons
- Integrated antenna connections
- In-built slimline active privacy handset
- In-built speakerphone
- Cable routing LHS/TOP/BOTTOM
- Dual SIM card enclosures

POWER

- 10-32V DC Input
- 110/240V AC plug pack, [included]

INTELLIGENT POTS/RJ11 INTERFACE

- Supports up to 600m (2000 feet) of RJ11 cable runs
- Standard dial, ring & busy tones
- Integrates to PABX system
- Support standard corded, cordless and DECT phones
- Auto-dial & speed dials available

VOICE CALLING FEATURES

- RJ11/POTS interface
- In-built phonebook/contacts
- Privacy handset calling
- In-built handsfree speakerphone
- Access from PABX or other corded/cordless handsets
- Bluetooth headsets (not included)

INSTANT MESSAGE AND TRACKING FEATURES

- 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

Instant Message Mode

- Single button press on terminal
- Instant GPS location messages
- Supports external "man down" pendant or button
- Remote clearing of alert via SMS

Tracking/Instant Message content includes

- Message ID#
- Header
- Latitude/Longitude
- Speed
- Direction

OTHER KEY FEATURES

- Includes BEAM Maritime Antenna (Active)
- Adjustable Brightness
- Accepts Inmarsat GSPS, IsatPhone Link and FleetPhone SIM cards



Tracking



Data



POTS/RJ11



USB



Privacy Handset



Handsfree



Instant Messaging



SIM (Rear)



2nd SIM



LCD Display



SMS



Phonebook



Bluetooth

TECHNICAL SPECIFICATIONS

Model: OC800

| AVERAGE POWER CONSUMPTION (Active Antenna Connected) | CURRENT @ 15V AVERAGE | POWER |
|---|---|--------------------------------|
| Standby | 0.22 A | 3.2 W |
| Transmit (RJ11/POTS) | 0.58 A | 8.7 W |
| Transmit (Speakerphone) | 0.53 A | 7.9 W |
| Sleep Mode | 5mA | 75mW |
| Peak Current | 1.7 A | 26 W |
| PHYSICAL SPECIFICATIONS | | |
| Dimensions | 241 x 185 x 93 (mm) | 9.49 x 7.28 x 3.66 (inches) |
| Weight OC800 Only | 1.27kg | 2.80lb |
| ENVIRONMENTAL SPECIFICATIONS | | |
| Operation | -20°C to +55°C | -4°F to +131°F |
| Storage | -30°C to +80°C | -22°F to +176°F |
| Humidity | | 95% |
| TRANSCEIVER | | |
| Inmarsat-4 Satellite GMR - 2+ Frequency Bands | | |
| Tx Operating Frequency | 1626.5 - 1660.5 MHz | |
| Rx Operating Frequency | 1518 - 1565 MHz (Inmarsat) 1565.19 - 1585.65 MHz (GPS) | |
| RF Output Impedance | 50 Ohms | |
| Carrier Frequencies | Channel 0 = 1626.525 MHz Channel 169 = 1660.475 MHz | |
| TX Modulation | GMSK | |
| RX Modulation | OQPSK | |
| GPS MODULE (internal) | | |
| Channels | 14 tracking, 51 channel acquiring | |
| Update Rate | 1Hz | |
| Accuracy | Position 2.5m CEP, Velocity 0.1m/s, Timing 300ns | |
| Acquisition TTFF | Cold 29sec, Hot 1sec | |
| Sensitivity | -161 dBm | |
| Operational Limits | Altitude 18000m, Velocity 515m/s | |
| Dynamics | 4G | |
| INSTANT MESSAGE | | |
| Instant Message | In-built - single key press | |
| 1 x alarm loop | Bare wire - "Normally closed" loop IN to OUT | |
| Track | In-built - single key press | |

| CONNECTORS / INTERFACES | |
|---|---|
| POTS/RJ11 | RJ11 1/2-wire, 5REN @ 600m, Adjustable dial, ring, busy tone configured frequency and adaptive impedance. |
| Inmarsat Antenna | TNC-Female |
| GPS Antenna | SMA-Female |
| 10-32V DC | 4-way microFit (AC/DC adator, or DC lead) |
| Privacy Handset Port | RJ9 connector |
| Configuration/Data | USB Mini B |
| Speakerphone | In-built speaker/microphone |
| CERTIFICATIONS | |
| Inmarsat Type Approval, FCC, CE Compliance, Electrical Safety, RoHS, Industry Canada, C-Tick | |
| IP54 Rating 5 = Protected against dust limited ingress (no harmful deposits). 4 = Protection against water sprayed from all directions - limited ingress permitted. | |
| KIT CONTENTS | |
| Oceana 800 Terminal | |
| ISD710 Maritime Antenna (Active) | |
| 1 x spring cup (attached to terminal) 1 x springless cup | |
| Privacy Handset | |
| 110 - 240V AC Plug Pack, 15V DC Out | |
| 10 - 32V DC Power Cable | |
| USB Cable | |
| 2m Alert wiring loop | |
| Wall mounting plate | |
| User Manual, Quick Start Guide & Antenna Installation Guide | |
| OPTIONAL ACCESSORIES | |
| ISD932 | IsatDock/Oceana 6m SMA/TNC cable kit (Active) |
| ISD933 | IsatDock/Oceana 13m SMA/TNC cable kit (Active) |
| ISD934 | IsatDock/Oceana 18m SMA/TNC cable kit (Active) |
| ISD935 | IsatDock/Oceana 31m SMA/TNC cable kit (Active) |
| ISD938 | IsatDock/Oceana 40m SMA/TNC cable kit (Active) |
| ISD942 | IsatDock/Oceana 50m SMA/TNC cable kit (Active) |
| ISD943 | IsatDock/Oceana 60m SMA/TNC cable kit (Active) |
| ISD944 | IsatDock/Oceana 70m SMA/TNC cable kit (Active) |
| ISD945 | IsatDock/Oceana 80m SMA/TNC cable kit (Active) |
| ISD946 | IsatDock/Oceana 90m SMA/TNC cable kit (Active) |
| ISD947 | IsatDock/Oceana 100m SMA/TNC Cable Kit (Active) |
| RST055A | UPS Battery Pack |

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EUROPE

MIDDLE EAST

NORTH AMERICA

SOUTH AMERICA