

Oceana 800



BEAM

Oceana 800



- ▶ Uses standard telephone handsets
- ▶ Speakerphone
- ▶ Active Privacy Handset
- ▶ Tracking and Instant Messaging
- ▶ SMS / Voice / Data Services
- ▶ SOS Emergency Calling

Oceana 800 is an all-in-one IP54 maritime communications terminal specifically designed to be utilized in a wide variety of marine applications throughout the world.

Featuring an intelligent RJ11/POTS interface enabling connection of up to 5 standard corded/cordless phones or integration to a PABX system, supporting cable runs of up to 600m (2000') and 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.

Other key features include, a secondary SIM socket to override internal SIM, an active privacy handset, in-built handsfree speakerphone, USB data, desk or wall mountable.

The Oceana 800 is designed to operate with the Inmarsat "FleetPhone" service and is supplied with a dedicated active marine grade antenna system to provide a completely integrated solution that is ready for use anytime.



Cargo Vessels



Recreational
Boat



Luxury Yacht



Fishing Vessels

DESIGN

- High quality IP54 rated maritime enclosure
- Marine grade base mount antenna
- Colour LCD screen
- Compact all-in-one design
- Wall or desk mounting options
- Locking bolt to wall mounting
- Accessible control buttons
- Integrated antenna connections
- Slimline 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

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

VOICE CALLING FEATURES

- RJ11/POTS interface
- Integrated easy to use phone book
- Privacy handset calling
- In-built handsfree speakerphone
- Access from PBX or other corded/cordless handsets
- Bluetooth headsets (not included)

INSTANT MESSAGE AND TRACKING FEATURES

- Supports LeoTRAK-Online and other tracking applications
- 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
- Altitude

OTHER KEY FEATURES

- SMS
- Data Access
- In-built active privacy handset
- In-built handsfree speakerphone
- Phone book
- Secondary and over riding accessible SIM port
- Status LED
- USB data access



TRACKING



DATA



POTS/RJ11



USB



Privacy Handset



Handsfree



SIM



LCD Display

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 (Spreakerphone)	0.53 A	7.9 W
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
ENVIRONMENT 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 - 585.65 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	Single button 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
10-32 V DC	4-way microFit [AC/DC adaptor, or DC lead]
Privacy Handset Port	RJ9 connector
Configuration/Data*	USB Mini B
Speakerphone	In-built speaker/microphone
CERTIFICATIONS	
Inmarsat, 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	
ISD710 Maritime Antenna [Active]	
1 x spring cup (attached to terminal) 1 x springless cup	
Privacy Handset	
110 - 240V AC Plug Pack 15 DC Out	
10 - 32V DC Power Cable	
USB Cable	
2m Alert wiring loop	
Wall mounting plate	
User Manual & Quick Start Guide	
ACCESSORIES	
LTO	LeoTRAK-Online - www.leotrak.com
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]
RST055	UPS Battery Pack

APPROVED BEAM RESELLER

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