

# Terra 800



# Terra 800



- Use Standard Telephone Handset
- Speakerphone
- Active Privacy Handset
- SMS/Voice/Data Service
- In-built Phone Book

Terra 800 is an all-in-one communications terminal, specifically designed to be utilized in a wide variety of land based applications; such as a dedicated telephone service or a back up emergency telephone system that can be deployed throughout the world.

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

The Terra 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, inbuilt phone book, SMS, adjustable ring tones, desk or wall mountable.

The Terra 800 is designed to operate with the Inmarsat "Link Phone" service and is supplied with a dedicated high quality directional/fixed antenna system to provide a completely integrated solution that is ready for use anytime.



Remote Towns/  
Communities



Mining Camps



In Building  
Disaster  
Recovery



In Building - PBX  
Integration



Bluetooth



Mute



SIM



LCD Display



POTS/RJ11



USB



Privacy Handset



Handsfree



Remote Work Sites



Disaster Recovery



Remote School Communications



Farm Houses

## KEY FEATURES

### DESIGN

- High quality IP54 rated enclosure
- 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

- 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)

### OTHER KEY FEATURES

- SMS
- Secondary and over riding accessible SIM port (credit card sized SIM)
- Phonebook
- Status LED
- Adjustable brightness
- USB data access

# TECHNICAL SPECIFICATIONS

Model: TR800

AVERAGE POWER CONSUMPTION (Passive Antenna Connected)	CURRENT @ 15V AVERAGE	POWER
Standby	0.17 A	2.6 W
Transmit (RJ11/POTS call)	0.31 A	4.7 W
Transmit (Speakerphone)	0.27 A	4.0 W
Peak Current	0.70 A	10.5 W
PHYSICAL SPECIFICATIONS		
Dimensions	241 x 185 x 93 (mm)	9.49 x 7.28 x 3.66 (inches)
Weight TR800 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	<=75% RH	
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	OGPSK	
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 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	
Terra 800	
ISD700 Directional/Fixed Antenna (Passive)	
Privacy Handset	
110 - 240V AC Plug Pack 15v DC Out	
10 - 32V DC Power Cable	
1 x Spring cup (attached to terminal)	
1 x Springless cup	
USB Cable	
2m Alert wiring loop	
Wall mounting plate	
User manual	
Quick Start Guide	
ACCESSORIES	
LTO	LeoTRAK-Online - www.leotrak.com
ISD936	IsatDock 10m SMA/TNC cable kit (Passive)
ISD937	IsatDock 20m SMA/TNC cable kit (Passive)
ISD939	IsatDock 30m SMA/TNC cable kit (Passive)
ISD940	IsatDock 40m SMA/TNC cable kit (Passive)
ISD941	IsatDock 50m SMA/TNC cable kit (Passive)
RST055	Beam UPS Battery Pack

APPROVED BEAM RESELLER

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