

# SP2000M/DPL

## Deployable Inmarsat Mini-M Maritime System

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The SP2000M/DPL Deployable Inmarsat Mini-M Maritime System is a turnkey satellite communications system comprised of two lightweight cases. It provides a complete motion-stabilized satellite communications system capable of voice, fax and data communications from a ship at sea to any landline in the world.

Case one contains all of the above decks equipment and interconnect cables in custom foam cutouts. Case two houses the below decks equipment (electronic unit and handset) mounted in a small attache case. This below decks case also includes a wide-range AC power supply. This configuration allows the system to be operated below decks from the smaller case, and allows for easy deployment of the above decks equipment.

The system can be powered from 90 - 264 VAC 50/60 Hz or 12 Vdc. Optionally, the below decks case can be supplied with a rechargeable sealed lead acid battery and charging circuit to provide fully independent operation for up to 4 hours.

### System Features:

- TT-3064A Maritime Telephone provides 4.8 kbps voice, 2.4 kbps fax and 2.4 kbps data communications.
- Fully integrated below decks case.
- Operates from AC or DC input power source.
- Includes 4m, 10m, and 30m antenna cables for deployment flexibility.
- Supplied with 20" mast, right angle bracket and clamp for mounting antenna to ship's rail.
- System operates from AC or DC source.

### System Applications:

- Satellite based voice, fax and data communications independent of installed shipboard systems.
- Email, data file or low-res image file transfer.

GCS is a turnkey provider of a wide range of solutions involving multimedia communications. Contact us for assistance with any of your remote telecommunications needs. See our web site at [www.globalcoms.com](http://www.globalcoms.com) for an overview of the communications solutions available from GCS.



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# SP2000M/DPL System Specifications

## **Case 1: Above Decks Equipment:**

### Case Specifications:

Weight: 40 lbs  
Size: 17.0H x 25.5W x 19.5D

### Antenna Specifications:

Sensor-stabilized platform  
Directional RHCP antenna.  
No cable unwrap  
Max. pointing error +/- 10 deg.  
Roll: +/- 25 deg.  
Pitch: +/- 15 deg  
Yaw: +/- 8 deg  
Surge: 0.2g  
Sway: +/-0.2g  
Heave: +/-0.2g  
Turning rate: +/-12 deg/sec  
Headway: 30 knots  
Weight: 4.8 lbs (2.2kg)  
Size: 8.3"dia x 9.6"H (210mm dia x 240mm H)

### Standard equipment:

Hard case with wheels and handles  
Antenna w/ mast mount  
4m, 10m, 30m antenna cables  
Fax/Data switch  
20" black powder-coat mast  
Pole-mount bracket w/ clamp  
6mm hex 'T' wrench  
11/16" combination wrench  
Operator Manuals



## **Case 2: Below Decks Equipment:**

### Case Specifications:

Weight: 17 lbs  
Size: 7.5H x 17.5W x 15D

### Electronic Unit Specifications:

Transmit Frequency: 1525.0 - 1559.0 MHz  
Receive Frequency: 1626.5 - 1660.5 MHz  
EIRP: 8-14 dBW in 2 dB steps  
Phone Interface: 2-wire 600 ohm RJ-11  
CCITT Rec. G.473  
standard DTMF telephones  
Fax Interface: 2-wire 600 ohm RJ-11  
CCITT Rec. 473 T.30 Group III  
max. 2400 bps  
Data Interface: RS-232E DB-9  
max. 19.2 kbps (2.4 kbps tx)



Specifications subject to change without notice

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