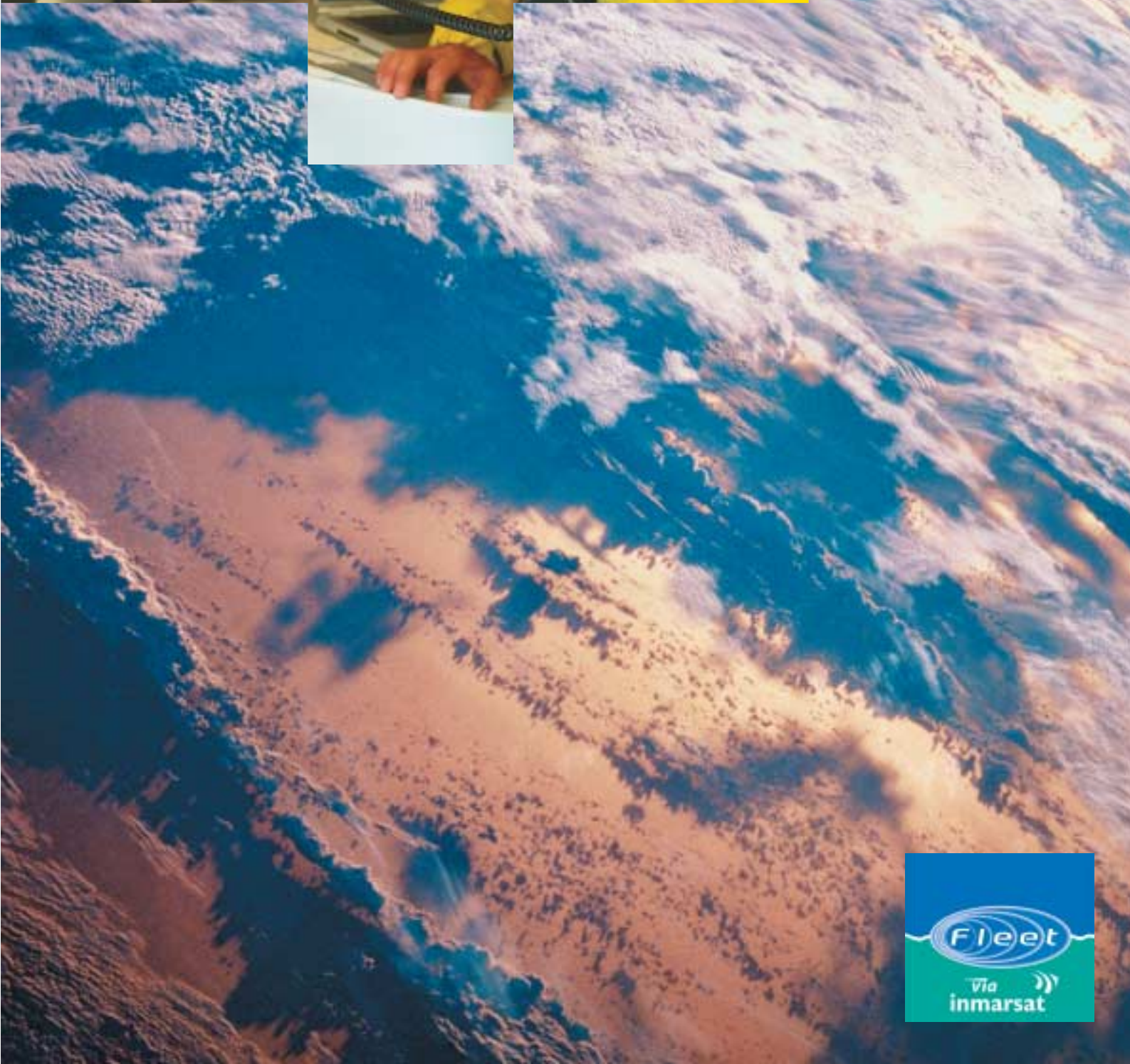


**SAILOR Fleet33**



A wide horizon  
is a privilege,  
not a right





Reachable at any time and constant on-line access at very low idle costs is a reality with the SAILOR Fleet33.



The SAILOR Fleet33 is the newest satellite communication system in the Inmarsat based Fleet programme from SAILOR. The SAILOR Fleet33 is the lightest and smallest MPDS (Mobile Packet Data Services) enabled satellite system to date and is thus easy to install on almost any size of vessel. In addition to being a cost effective solution, the range of services in combination with size and weight, makes the system highly suitable for small commercial vessels as well as yachts and leisure boats.

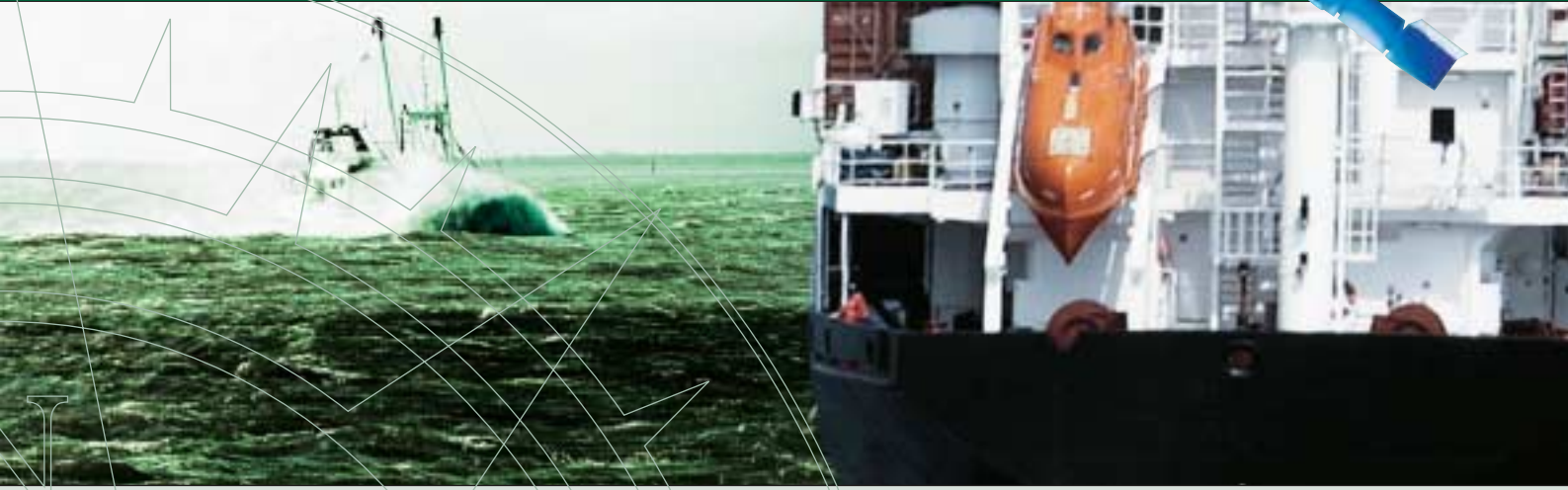
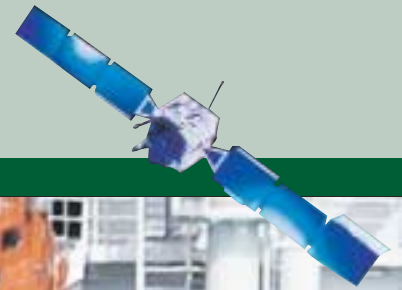
Weather updates and access to other highly relevant information are vital today. With the Inmarsat MPDS

service, vessels with SAILOR Fleet33 on board are enabled to stay on-line at all times at a very low idle time costs and charged only for the amount of data sent and received.

**SAILOR Fleet33 provides a wide range of communication facilities, such as:**

- Voice communication
- E-mail
- Fax
- Company Intranet access
- Internet access for e.g. weather information, E-commerce, auctions and port sites





### Antenna Unit

The SAILOR SA3305 Antenna Unit weighs only 4.5 kg and is thus very easy to handle during installation. Vessels with a SAILOR mini-M system installed can easily replace this as the SAILOR Fleet33 uses the same antenna footprint, mounting bracket and antenna cable.

### Transceiver Unit

The SAILOR ST3306 Transceiver Unit enables interfacing to a broad variety of voice, fax and data communication solutions via the RJ-11, Ethernet or RS-232 port. An intelligent handset can be connected to the system for control as well as for voice communication. In addition two standard analogue (RJ-11) telephones can be connected directly for voice communication. The SAILOR Fleet33 system is delivered with user-friendly configuration software, FleetCP, which offers simple setup via a graphical user interface from a standard PC. Alternatively, the set-up can be done through the intelligent handset.

### Handset Control Unit

The intelligent 4-wire SAILOR SC3307 Handset Control Unit includes an intuitive menu structure for full control of the transceiver unit. The handset can also be used for normal voice communication.

#### SAILOR Fleet33 consists of

- One SAILOR SA3305 Antenna
- One SAILOR ST3306 Transceiver
- One SAILOR SC3307 Handset
- One SAILOR CR3308 Cradle with 10 m. cable



SAILOR SA3305  
Antenna

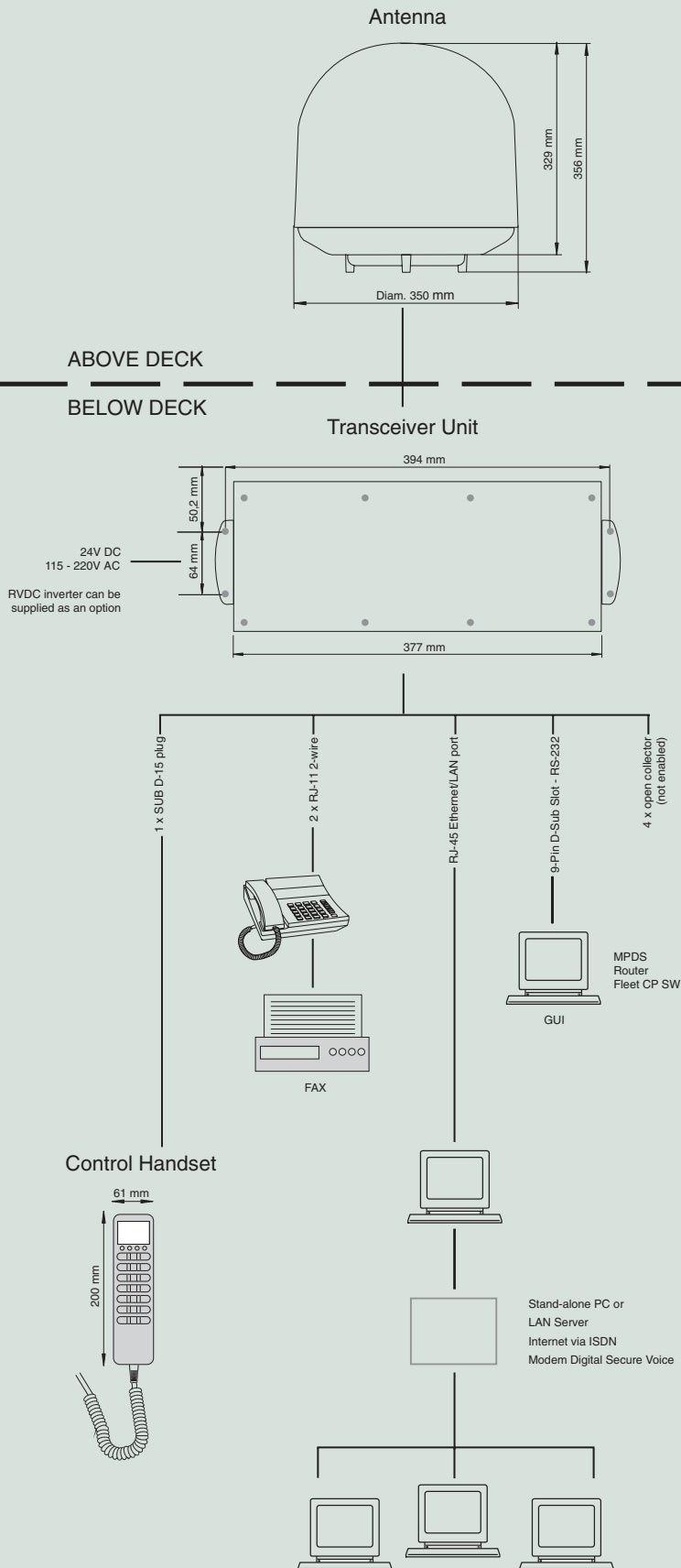


SAILOR ST3306  
Transceiver

SAILOR SC3307  
Handset and SAILOR  
CR3308 Cradle

# SAILOR Fleet33 Specifications

## Configuration example



## APPROVALS

Inmarsat Fleet33 approved. Compliant to FCC, title 47 part 25, section 25.216. Compliant to RTTE, CE Marked.

## COVERAGE SERVICES

Global Service: Voice: 4.8 kbps Mini-M voice.  
Spot Beam Services: Voice: 4.8 kbps Mini-M voice, Fax: 9.6 kbps Group 3 fax, Data: 9.6 kbps, MPDS: 64 kbps downstream / 28 kbps upstream, shared channel.

## FREQUENCY BAND

Rx : 1525.0 - 1559.0 MHz.  
Tx : 1626.5 - 1660.5 MHz.  
Ch. spacing: 1.25 kHz - Rx.

## RECOMMENDED ANTENNA CABLE

TNC/TNC male, max. cable loss 10 dB at 1.6 GHz, 0.5  $\Omega$  at DC.  
1 - 10 m, RG223.  
10 - 30 m, RG214.  
30 - 50 m, SA07272.  
50 - 70 m. SA12272.

## ANTENNA CONNECTOR

50  $\Omega$  TNC female for transceiver.

## INTERFACES

2 RJ-11 for 2-wire telephone/fax.  
1 DSUB-15 for 4-wire handset.  
1 50  $\Omega$  TNC female for antenna.  
1 RJ-45 LAN Port, 10 Mbit.  
1 DSUB-9 RS-232 Port, 115 kbps.  
4 Discrete I/O.  
1 Power Port, 24V.  
1 On/Off button (or via handset).

## POWER SUPPLY AND CONSUMPTION

24 VDC, optional 12 VDC via inverter.  
Max 4.5A@24VDC.

## ENVIROMENTAL CONDITIONS

Ambient temperature: -25-55° C.  
Relative Humidity: 95% non-condensing at +40° C.

## VIBRATION (ANTENNA)

4-10 Hz 2.54 mm, 10-15 Hz 0.76 mm,  
15-25 Hz 0.40 mm, 25-33 Hz 0.23 mm.

## MECHANICAL SHCOCK

20g/11ms half-sine.

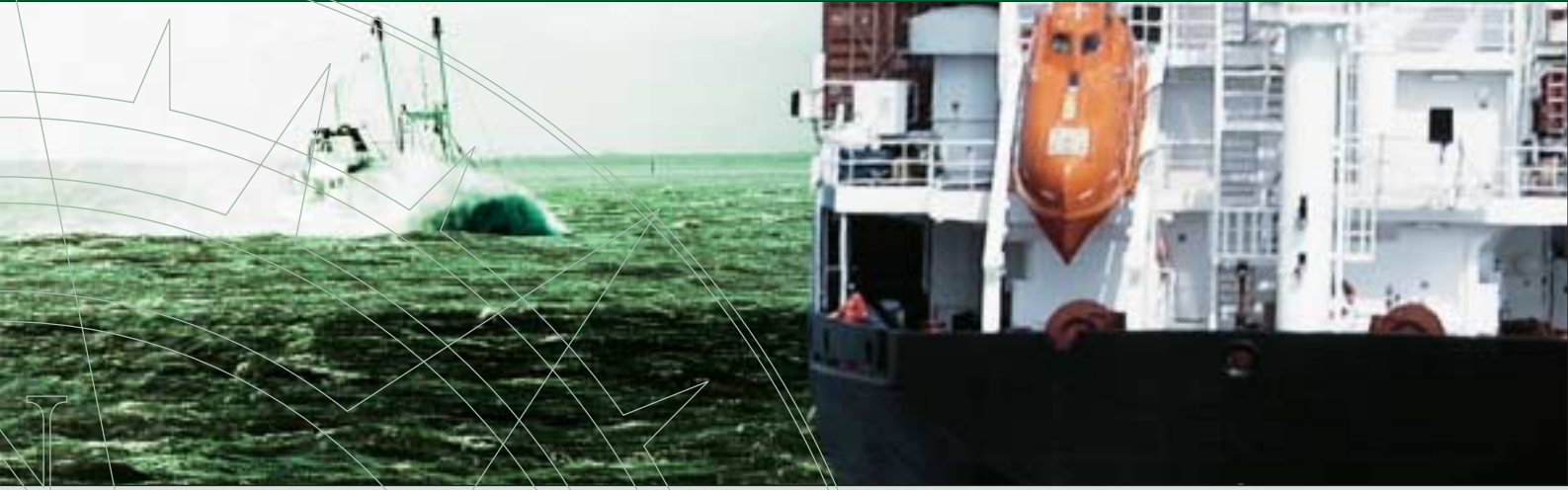
## SHIP MOTIONS

Roll +/- 30 deg, Pitch +/- 10 deg, Yaw +/- 8 deg, Surge +/- 0.2g, Sway +/- 0.2g, Heave +/- 0.5g, Turning Rate +/- 6 deg/s, Headway 30 knots.

## DIMENSIONS AND WEIGHT

Antenna: 4.5 kg, diameter: 350 mm, height: 356 mm  
Transceiver: 1.9 kg, 53 mm x 377 mm x 153 mm  
Handset: 0.25 kg, 200 mm x 52 mm x 33 mm  
Cradle: 0.15 kg, 160 mm x 61 mm x 27 mm

Specifications subject to change without notice.



### Features

- Mini-M voice, global coverage
- MPDS, for constant on-line access
- Fax (G3)
- Compact solution with small antenna
- Cost effective
- Easy installation
- Rapid configuration via PC or Handset
- Ethernet option enables multiple PCs to connect to the Internet via MPDS
- Easy mini-M retrofit due to compatible antenna footprint and cable

### The SAILOR Fleet33 System

The system provides a constant two-way link to the Inmarsat satellites offering all Fleet33 services using the Inmarsat spot beams for fax and data. For the voice service global coverage is offered, using the Inmarsat global beam.

The MPDS service enables the SAILOR Fleet33 to be connected to e-mail

and Internet 24 hours a day.

It also provides the most economic and convenient solution for e-mail, small and medium size data transfer when connected securely to the corporate LAN via VPN (virtual private network). MPDS is especially suitable for instant on-line weather updates, immediate e-mail transfer and instant messaging via TCP/IP. Connected to an IP Router several PC's can share an Internet connection via the MPDS service.

Fleet33 Services	Spot Beam	Global Beam
Voice	4.8 kbps	4.8 kbps
Fax	9.6 kbps	-
Data	9.6 kbps	-
MPDS	64 kbps downstream 28 kbps upstream	-



Atlantic Ocean Region-West



Atlantic Ocean Region-East



Indian Ocean Region



Pacific Ocean Region

- Global Area Network and Inmarsat mini-M phone coverage
- Extended Coverage Zones for inmarsat mini-M phone and global Area Network low rate voice and data services

*The map depicts Inmarsat's expectations of coverage but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending upon a variety of conditions.*



A FRIEND IN NEED IS A FRIEND  
INDEED, the saying goes; and truly,  
SAILOR is committed to being there  
for you should a problem arise. What  
is more, we want to make sure that  
you are always on safe ground, even  
when you are on the open sea. That is  
why we operate under the maxim:  
"SAILOR – When safety counts".

With more than 50 years of experi-  
ence in the market, SAILOR is a true

professional. We know that we have to  
earn the loyalty of our customers.

That is why nearly 15% of our annual  
turnover is reinvested in research and  
development and more than one  
employee in ten is engaged in finding  
solutions to the challenges of tomor-  
row.

Today, SAILOR provides a well-known  
range of communications products that  
includes everything from radios for

the leisure market to equipment for  
fishing vessels and complete commu-  
nications solutions for the deep sea  
sector. The SAILOR brand has become  
synonymous with reliable and  
technologically superior radio equip-  
ment – and covers everything from  
basic VHF units to state-of-the-art  
satellite systems, AIS (Automatic  
Identification System) SSAS (Ship  
Security Alert System) and complete  
compact GMDSS solutions.



# SAILOR

When safety counts

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