

SAILOR FLEET33

-High quality voice and data in limited space



The SAILOR Fleet33 offers crew calling, fax, e-mail and internet in a compact and reliable design. If you're the proud owner of a small yacht, a medium-sized sailing boat or a fishing vessel, there is every reason the SAILOR Fleet33 will fit your needs for advanced satellite communications.

Important features

- Maritime communication terminal offering phone, fax, e-mail and Internet
- Pay only for the amount of data you send or receive via MPDS
- 9.6 kbps fax/data
- mini-M voice. Global coverage, 78° north to 78° south
- Light weight and compact design
- Units only connected by a single cable
- Rapid configuration via handset or PC
- Easy mini-M retrofit due to compatible antenna footprint and cable

Well known reliability and wide coverage

The SAILOR Fleet33 provides a constant two-way link to the Inmarsat satellites offering all Fleet33 services. The newest generation of Inmarsat satellites extends the coverage greatly while providing the established Inmarsat reliability.

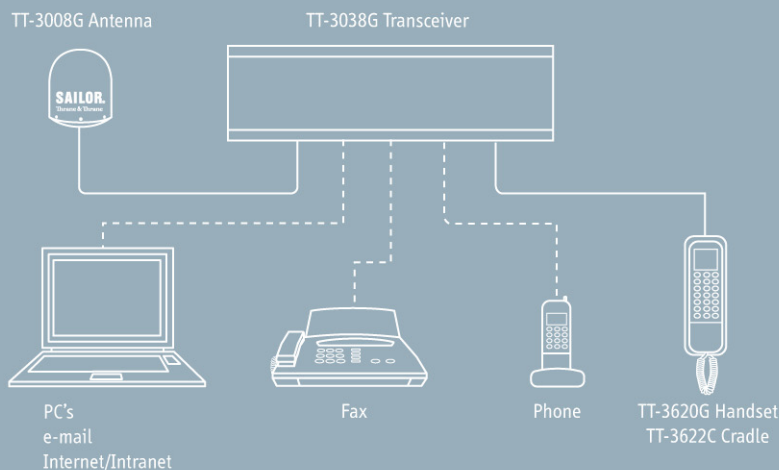
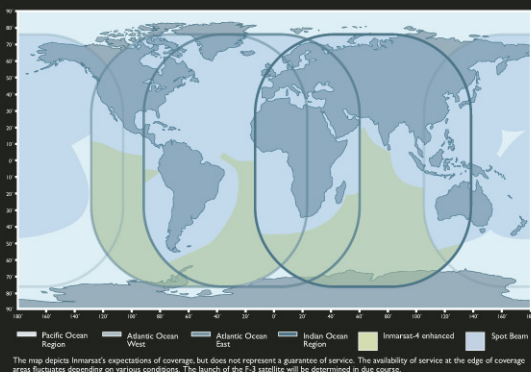
Data and fax

The SAILOR Fleet33 terminal enables the vessel to be connected to voice, fax, e-mail and Internet 24 hours a day. The SAILOR Fleet33 offers cost effective 9.6 kbps fax/data, 4.8 kbps mini-M voice and 64 kbps downstream/28 kbps upstream MPDS data communication. Several PC's may be connected to the Internet via an IP router.

With MPDS you are always online but only charged for the amount of data sent and received or transferred. It is an economic solution for e-mail, small and medium size data transfer, LAN, VPN and Internet. The Fleet33 service offers a shared 64 kbps downstream/28 kbps upstream data channel.

The data services, charged per minute, provide a 9.6 kbps fax channel or a 9.6kbps channel usually preferable for up- or downloading large files.

Inmarsat coverage map for Maritime Digital Services with planned Inmarsat-4 enhancements



Compact and easy to fit

The compact antenna is 35 cm high, has a diameter of just 35 cm and weighs less 4.5 kg. The small sized transceiver unit weighs only 1.9 kg. A single cable connects the system units making system

installation and service very simple. The system is easily configured from a standard PC or from the handset.

Specifications

Inmarsat Fleet33 approved.

Compliant to FCC, title 47 part 25, section 25.216.

Compliant to RTTE, CE Marked.

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 Ω at DC:

1 – 10 m:	RG223
< 20 m:	RG214
< 30 m:	SA07272
< 50 m:	SA12272

Global Service

Voice:	4.8 kbps mini-M voice
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Spot Beam Services

Group 3 fax capability:	9.6 kbps
Data:	9.6 kbps
MPDS:	64 kbps downstream
	28 kbps upstream, shared channel

Antenna Connector

50 Ω TNC female for transceiver

Interfaces

- 2 RJ-11 for analog telephone/fax
- 1 DSUB-15 for 4-wire control handset
- 1 50 Ω 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 input
- 1 On/Off button (or via handset)

Power Supply and Consumption

22-32 VDC, an optional 12 VDC inverter can be supplied

Max 4.5A@24VDC

Peak current: 9A@24V 15ms

Environmental 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 Shock

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

Dimension and Weight

Antenna (TT-3008G):	356 x \varnothing 350 mm, 4.5 kg
Transceiver (TT-3038G):	53 x 377 x 153 mm, 1.9 kg
Cradle (TT-3622C):	160 x 61 x 27 mm, 0.15 kg
Handset (TT-3620G):	200 x 52 x 33 mm, 0.50 kg incl. cable

All specifications subject to change without prior notice.

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