

## SAILOR® 55 FLEET+

High performance and high-quality communications at sea



**SAILOR 55 Fleet+ offers high-speed and cost-effective communication in a compact package. With top-quality voice, e-mail and Internet it provides ocean-going vessels with all modern communication options throughout any voyage.**

### Voice, fax and data

The SAILOR 55 Fleet+ terminal acts as a hub for all your communication needs. With the I4 extended coverage of the Inmarsat Fleet service, the SAILOR 55 Fleet+ delivers high-quality communications throughout the entire global beam area. The unique MPDS service enables vessels to stay online continuously for convenient access to the Internet, e-mail and file transfer applications. By implementing third party equipment it is also possible to do crew calling. The system is simple to configure via user-friendly software on a standard PC.

### Full flexibility

The compact and light antenna unit and the low power consumption of the SAILOR 55 Fleet+ makes it well suited for vessels, coast guards, yachts and fishing boats. The SAILOR 55 Fleet+ provides vessel owners with full flexibility to connect a broad range of communications equipment, supporting up to seven handsets enabling on board internal calls between different locations on the ship.

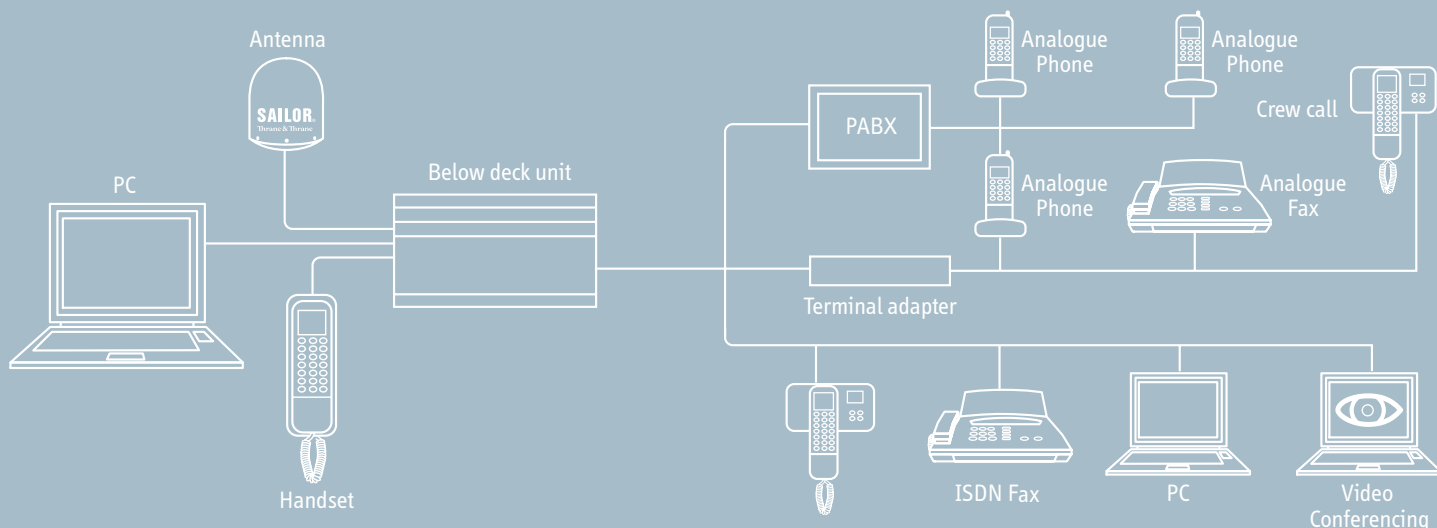
### Cost-efficient data transfer

In addition to the MPDS service, the SAILOR 55 Fleet+ also offers 64 kbps data transfer via ISDN. With MPDS (Mobile Packet Data Service) you are charged for the amount of data you send or receive. With ISDN charges are per minute.

MPDS is the most economic and convenient solution for e-mail, small file transfer, LAN, VPN and Internet. ISDN provides a high capacity channel with a constant data stream and is usually preferable for up- or downloading large files.

### Important features

- Internet and e-mail
- Voice and fax
- Choose between MPDS or ISDN
- Up to 64 kbps data (spot beam coverage)
- Global coverage, 78° north to 78° south



### Specifications

Inmarsat Fleet55 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

Cable loss max/min: 4/20 dB at 1,62Ghz and 4 ohm DC loop resistance  
RG-223 Min 7 m / Max 25 m  
RG214 - FRNC Min 12 m / Max 50 m  
S10162B11 Min 30 m / Max 140 m  
RG 1/2" 50 Min 45 m / Max 170 m

### Global Service

Voice: 4.8 kbps mini-M voice

### Spot Beam Services

Voice : 3,1 kHz Audio  
64 kbps  
Group 3 fax capability: 9.6 kbps  
Data: 64 kbps UDI  
MPDS: 64 kbps shared channel

### Antenna Connector

50 Ω N female for transceiver

### Interface

2 RJ-11 for analog telephone/fax  
2 ISDN RJ-45  
1 ISDN terminal block (4 wire)  
2 DSUB-9 RS-232 Port, 115 kbps  
1 Power Port, 11-32 VDC input  
1 On/Off button  
1 RS422 terminal block (4 wire)  
1 USB connector  
1 RS-422, terminal block (4 wire)  
1 NMEA input, terminal block (2 wire)  
1 USB connector  
1 50 Ω N female for antenna

### Power Supply and Consumption

11 - 32 VDC  
40 W receive/idle, 110 W transmit

Subject to change without further notice.

### Environmental Conditions

Storage -30° C to +70° C

### Operational temperature

Below Deck Unit: 0° C to +45° C  
Above Deck Unit: -25° C to +55° C  
Relative humidity: 95% non-condensing at +40° C

### Sealing Class

Below Deck Unit: IP30  
Above Deck Unit: IP66

### Ship Motions

Roll: +/-30 deg  
Pitch: +/-10 deg  
Yaw: +/-8 deg  
Turning Rate: +/-6 deg/s  
Headway: 30 knots

### Telephone Functionality

Number storage: 10 last dialed  
Address book: 99 short numbers  
Secure communications: STU IIB / STU III (optional)  
Message indication: Fax & data

### Dimensions and Weight

Above Deck Unit: 60 x Ø63 cm, 16 kg  
Below Deck Unit: 8 x 18 x 31 cm, 3 kg  
Handset: 53 x 150 x 25 mm, 125 g  
Cradle: 69 x 172 x 38 mm, 170 g  
Handset cable length, spiral: 3 m (stretched)

