Thrane & Thrane

SAILOR® 6110 MINI-C GMDSS

Touch-screen security in an uncertain world

The SAILOR 6110 mini-C is a true next generation GMDSS solution. Building on the strong foundation of previous SAILOR GMDSS products, it introduces innovative new features and functionality, including touch screen operation through the cutting-edge SAILOR 6006 Message Terminal and an all new approach to installation and networking.

The SAILOR 6110 mini-C is more than just a way to meet mandatory GMDSS requirements, because as part of the innovative SAILOR 6000 Series, it is an integral part of a vessel's communication system. The mini-C system features true triple functionality as it safely handles all GMDSS, SSAS and LRIT operation on board.

Highlights include:

- First ever approved touch screen terminal for GMDSS use
- External storage via SD card or USB flash disk
- Innovative approach to cabling for simple networking and expansion
- Accurate, reliable 50 channel GPS module that is also Galileo ready
- ThraneLINK

A brand new terminal platform, the SAILOR 3027 mini-C, improves on the already de facto industry standard of the SAILOR 3026 mini-C platform, and has been introduced for the SAILOR 6110 mini-C GMDSS. During the design process, many lessons learned from the SAILOR 3026 mini-C has been incorporated. As with the previous generation SSAS functionality is available as an option.

A World First

Operation of the SAILOR 6110 mini-C is performed via the new SAILOR 6006 Message Terminal, which stands out as the world's first touch screen, Wheelmarked GMDSS terminal. It provides a user-friendly multimedia style interface, making accessing its' functionality straightforward, which in turn ensures the safe operation of the vessel's IMO safety and tracking systems.

Cabling Innovations

The unique use of CAN-BUS (NMEA 2000) style cabling for the SAILOR 6110 mini-C is a major innovation. It reduces installation and maintenance time and costs by offering greater flexibility and making it easier to procure cables and tailor length and connectors, to optimise routing. Additionally, sub-systems, such as alarm panels are now connected using RJ45 cables via a switch, making expanding the system easier and less costly.

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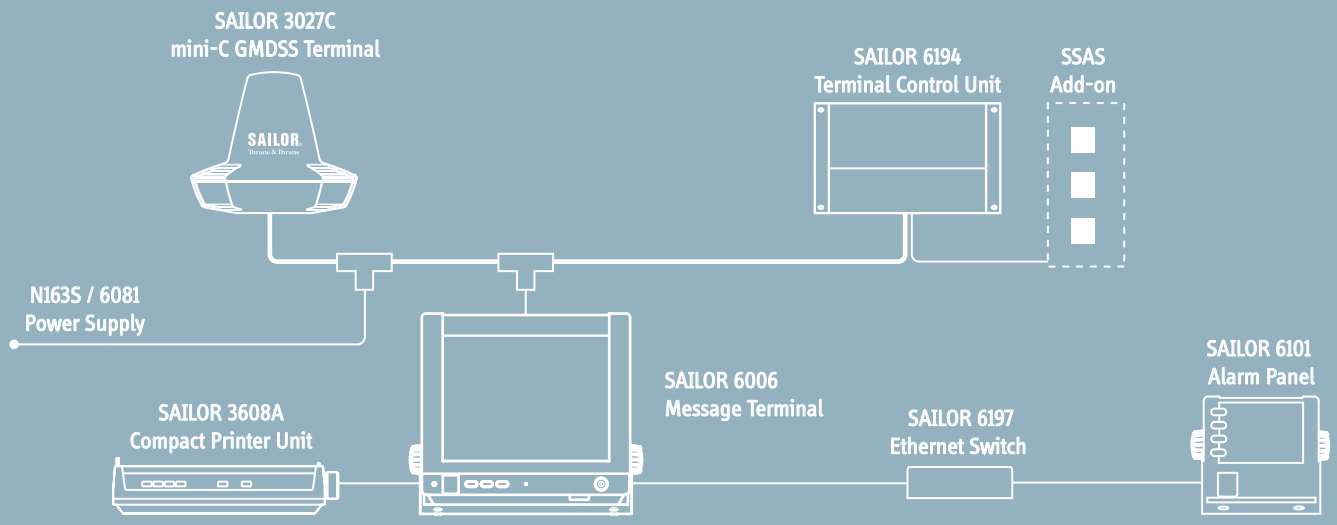

SAILOR® 6110 GMDSS System

The system is comprised of the following items:

SAILOR® 3027C mini-C GMDSS Terminal

The next generation mini-C terminal in the long line of successful mini-C products from Thrane & Thrane.

SAILOR® 6006 Message Terminal

The revolutionary touch-screen message terminal features a 10,4" high resolution screen that offers seamless interface to all functions via the icon based interface. There is both SD card and USB ports for external storage.

SAILOR® 6194 Terminal Control Unit (TCU) - optional

The TCU is used in conjunction with the SSAS option as a connection point, but its functionality can be expanded at a later stage. It meets maritime standards, with easy access and sturdy cable fixture.

SAILOR® 6101 Alarm Panel

A newly designed alarm panel for SAILOR 6000 Series with both visual and audio alarm functionality as well as EGC message status. All received alarms can be muted with a single push.

SAILOR® 6103 Alarm Panel

This alarm panel has the same basic features as the SAILOR 6101 Alarm Panel but furthermore adds VHF and MF/HF distress functionality. Like on the SAILOR 6101 Alarm Panel is it possible to mute all alarms with a single push.

SAILOR® 6197 Ethernet Switch

With the use of Ethernet to interconnect many new SAILOR products, the new Wheelmarked SAILOR 6197 Ethernet Switch has been added.

SAILOR® 3608 Compact Printer Unit

This unit is designed to be connected to SAILOR 6006 Message Terminal to ensure that all EGC and Safety messages are printed.

TERMINAL UNIT SPECIFICATIONS

General specifications	Inmarsat C GMDSS Type Approved / Wheelmark approved 3027C mini-C Transceiver
Operating frequencies	Rx Frequency Ban Rx : 1525- 1545 MHz d Tx Frequency Band: Tx: 1626.5 - 1646.5 MHz

ANTENNA UNIT SPECIFICATIONS

G / T	-23,7 dBk at 5 degree elevation
EIRP	Min. 5 dBW at 90 degree elevation Min. 7 dBW at 5 degrees elevation

GENERAL SPECIFICATIONS

Power supply	Absolute max/min DC Input = 9 to 32V
Max. power	30 W
Max. continuous current	3.33 A
GPS module	50 channel (Galileo ready)
Transceiver interface	One connector, DeviceNet Mini-style CAN socket M12x1, Male
I/O interface	CAN H, CAN L (part of Mini-CAN socket)
Dimensions	Diameter: 170.5 mm Height: 145 mm (without pole mount)
Weight	1.10 kg (without pole mount)

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

Subject to change without further notice.

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