

# SAILOR® 6110 MINI-C GMDSS

Touch-screen security in an uncertain world

Product Sheet

The most important thing we build is trust

## COBHAM

**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 6018 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.

### Features include:

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

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 SAILOR 6018 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 functionality straightforward, which in turn ensures the safe operation of the vessel's IMO safety and tracking systems.

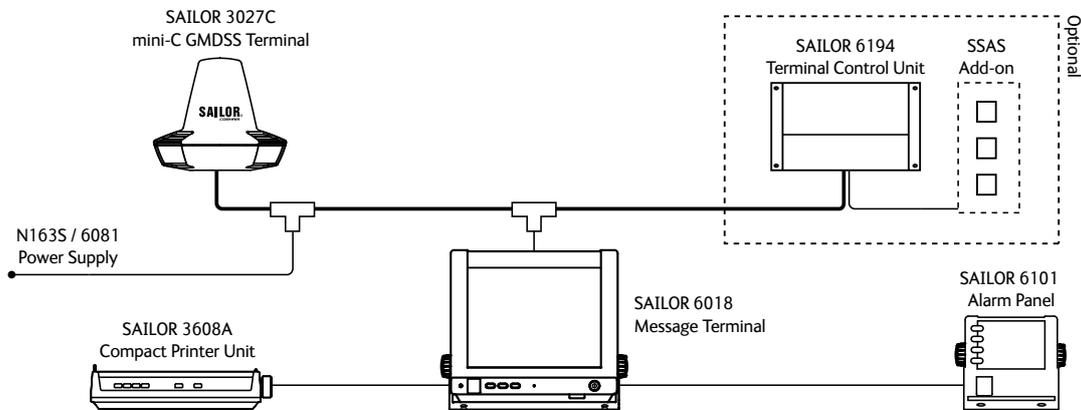
### Cabling Innovations

The unique use of CAN-BUS (NMEA 2000) cabling for 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 connected using RJ45 cables via a switch, making expanding the system easier and less costly.



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## COMPARISON CHART

|                    | SAILOR 6110<br>mini-C | SAILOR 6120<br>mini-C | SAILOR 6130<br>mini-C | SAILOR 6140<br>mini-C | SAILOR 6150<br>mini-C |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| GMDSS              | X                     |                       |                       |                       |                       |
| SSAS               | X                     | X                     |                       |                       |                       |
| LRIT               | X                     | X                     | X                     |                       |                       |
| SafetyNET          | X                     |                       | X                     | X                     | X                     |
| Non-SOLAS Distress |                       |                       |                       |                       | X                     |
| Tracking           | X                     | X                     | X                     | X                     | X                     |

## SAILOR® 6110 mini-C 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 SAILOR mini-C products.

### SAILOR® 6018 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 connection.

### SAILOR® 6101 Alarm Panel

A newly designed alarm panel for the SAILOR 6000 Series with both visual and audio alarm functionality as well as EGC message status. All received Inmarsat-C 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. As on the SAILOR 6101 Alarm Panel it is possible to mute all alarms with a single push.

### SAILOR® 3608 Printer

SAILOR 3608 Compact Printer Unit This unit is designed to be connected to SAILOR 6006 Message Terminal to ensure that EGC and Safety messages can be printed.

## TERMINAL UNIT SPECIFICATIONS

|                        |                                |
|------------------------|--------------------------------|
| General specifications | Inmarsat C GMDSS Type Approved |
|                        | Wheelmark Approved             |
|                        | 3027C mini-C Transceiver       |

## ANTENNA UNIT SPECIFICATIONS

|                       |  |
|-----------------------|--|
| G/T                   | -23.7 dBk at 5° elevation                  |
| EIRP                  | Min. 7 dBW at 5° elevation                 |
| Antenna elevation     | -15° to 90°                                |
| Operating frequencies | Rx Frequency Band: Rx: 1525 - 1545 MHz     |
|                       | Tx Frequency Band: Tx: 1626.5 - 1646.5 MHz |

## GENERAL SPECIFICATIONS

|                             |                                      |
|-----------------------------|--------------------------------------|
| Absolute power supply range | 10.5 - 32 VDC                        |
| Nominal power input         | 15 VDC                               |
| Power consumption (typical) | Rx: 1.85 W @ 15 VDC                  |
|                             | Tx: 22 W @ 15 VDC                    |
| GPS module                  | 50 channel (Galileo ready)           |
| Transceiver interface       | NMEA 2000 DeviceNet Mini-style, Male |
| I/O interface               | CAN-BUS (NMEA 2000)                  |
| Dimensions                  | Diameter: 170.5 mm                   |
|                             | Height: 145 mm (without pole mount)  |
| Weight                      | 1.10 kg (without pole mount)         |



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