

# SAILOR® 6391 NAVTEX SYSTEM

Navtex. Networked for flexibility and performance

2013 Product Sheet

**COBHAM**

The most important thing we build is trust

**The SAILOR 6391 Navtex System sets new standards in functionality and flexibility for SOLAS mandated Navtex receivers. As a black box system, with separate touch screen user-interface, it introduces a new approach that enhances safety and efficiency, whilst being fully SOLAS compliant. It is a next generation system offering new installation and operation possibilities today, with the potential to become part of the fully networked bridge in the future.**

## Trust SAILOR

SAILOR products are world-renowned for their quality, reliability, robustness and user friendliness. They support safety by enabling communication in any conditions. Designed 100% in-house, the SAILOR 6391 Navtex System has all of these qualities, so you can be confident in your ability to receive all relevant Navtex messages, wherever you are in the world. Choosing the SAILOR 6391 Navtex System gives you:

- 100% network integration – flexible installation options
- Multifunction user friendly touch screen interface – works with different devices
- Easy & cost-effective servicing and software updates – easy on board and remote access
- SOLAS compliance for Navtex messages – part of the SAILOR 6000 GMDSS Series
- Future-proof – ready for bridge and communication system integration

## Modular design

The SAILOR 6391 Navtex System consists the SAILOR 6390 Navtex Receiver, which receives Navtex messages on the international Navtex frequencies 490 kHz, 518 kHz and 4209.5 kHz, and the SAILOR 6004 Control Panel, a 7" touch screen that provides excellent viewing clarity in all light

conditions so all messages can be seen and understood. Modular design means that the receiver can be installed anywhere on board whilst the control panel can be placed anywhere on the bridge. They are linked by dual LAN (NMEA also included), so communication between the two is highly reliable, but installation is incredibly flexible.

## Touch screen apps

Whilst the SAILOR 6390 Navtex Receiver can also be used as a standalone receiver and networked with any Integrated Navigation System (INS), the benefits of the SAILOR 6004 Control Panel is that it can also be used for other devices on the network, including the SAILOR 628x AIS System. It is a true multifunction display, with a familiar touch screen interface, where the user simply selects the app icon required for access and control of the

device chosen. By enabling operation of different devices, the SAILOR 6004 Control Panel offers cost-efficiencies whilst making operation easier, and therefore, safer.

## Network advantage

The networking aspects of the SAILOR 6391 Navtex System are based on the open ThraneLINK protocol developed in-house at Cobham SATCOM. Over the top of this is the Thrane Management Application (TMA), a tool that enables engineers to access the network and all devices on it from a single point, which makes maintenance and software upgrades easy and more cost-efficient. The system can even be accessed remotely from shore, making it a pioneering product of the truly connected maritime safety world.

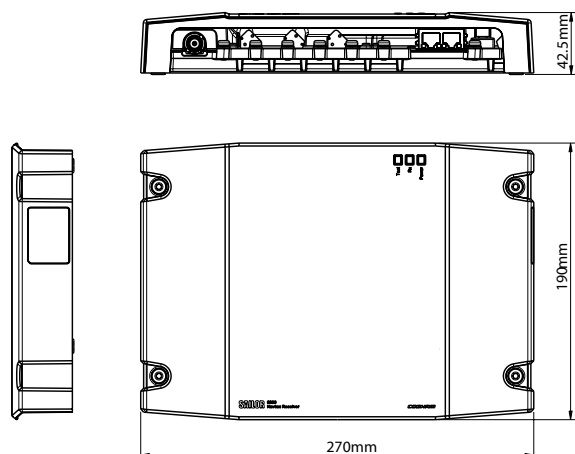


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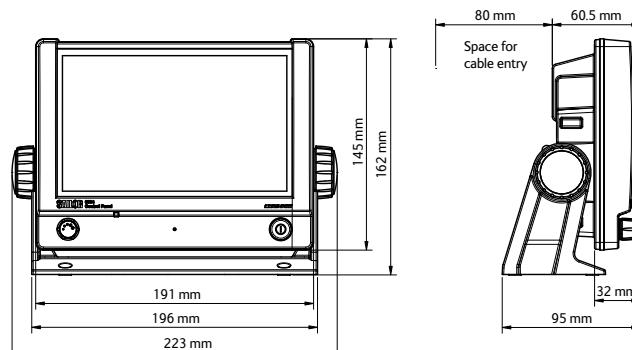
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SAILOR 6390 Navtex Receiver



SAILOR 6004 Control Panel



## TECHNICAL SPECIFICATIONS

Navtex Receiver	490 kHz, 518 kHz and 4209.5 kHz simultaneous reception SW updatable to future 500 kHz NAVDAT Support for both active and passive antenna (12V@60mA antenna supply)
Weight	1.3 kg
Temperature	-15°C to 55°C - Operational -15°C to 55°C - Storage
Sensitivity	490-518 kHz - 12dBuV@10ohm/150pF - 6dBuV@50ohm 4209,5 kHz - 12dBuV@10ohm/150pF - 6dBuV@50ohm Excellent interference rejection and blocking immunity

## POWER SUPPLY AND CONSUMPTION

DC input range (isolated)	12 to 24VDC nominal supply voltage (10.8 - 31.2VDC)
Typical power consumption	Typical 6.5W

## INTERFACE

Relay for alarm output
TNC antenna connector
Dual LAN interface (RSTP support)
Remote on/off
NMEA0183 INS Support (in/out)
NMEA0183 GPS input (or GPS input via LAN)
Printer support via LAN
600ohm audio interface for e.g. troubleshooting

## NMEA SENTENCES

NMEA0183 input, EN61162-1 (ACK, NRM and CRQ sentences)
NMEA0183 output, EN61162-1 (ALR, NRM and NRX sentences)
GPS input, RMC, ZDA sentences
Furthermore proprietary NMEA sentences (which will be enclosed in the manual)

## SOFTWARE FEATURES

Navtex message sorting and filtering
Software upgradable with TMA (Thrane Management Application)
Validation of RF-reception by LED (and network status)
Self-test validation by LED (and network status)

## SAILOR 6004 CONTROL PANEL

Mounting method	Flush mount or bracket
Voltage	10.8 to 31.2 V DC
Power consumption	Typical: 18 W active Peak: 42 W 3.15 A internal fuse (non-serviceable)
Audio output	Up to 6 W in 8 Ohm
Interfaces	2 x Ethernet (10/100 Mbit/s), Accessories connector, Auxiliary connector
Compliance	IEC 60945, IEC 60950-1
IP rating	IP54
Ambient temperature	-15°C to 55°C
Storage temperature	-30°C to 80°C
Compass safe distance	0.6 m
Dimensions W x H x D	191 mm x 145 mm x 61 mm (without mounting bracket)
Weight	1.1 kg (1.25 kg with mounting bracket)

For further information please contact:

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