

# SAILOR SP3110

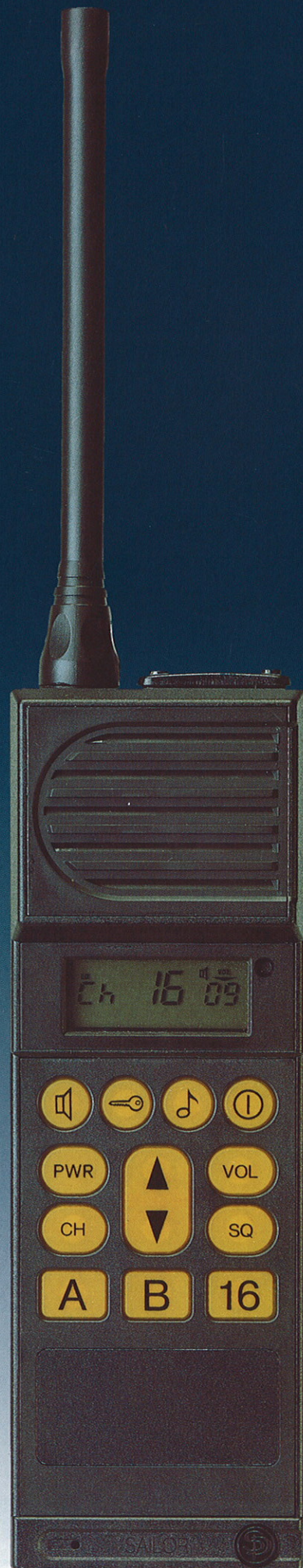
## THE PORTABLE VHF TRANSCEIVER FOR GMDSS

### SAFE COMMUNICATION IN AN EMERGENCY

The SP3110 is approved to fulfil the GMDSS requirements for portable VHF-transceivers, and forms part of the complete GMDSS-programme from SAILOR.

This transceiver has been developed to withstand the harsh conditions in the maritime environment.

The waterproof design and most advanced technology guarantee long life, easy operation and powerful performance.



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# SP3110 FULFILS YOUR GMDSS REQUIREMENTS FOR PORTABLE VHF-TRANSCEIVERS



This portable transceiver, developed entirely by S.P. Radio A/S, is part of the SP3000 programme. Built to meet the special demands for maritime safety equipment and is still a convenient tool for daily use.

Made for SAFETY, but still a convenient transceiver for ordinary short range communication, and still with all the maritime simplex channels, quick selection of ch. 16 and two user programmable channels.

The POWERFUL battery solution, with a PRIMARY lithium battery stored for the EMERGENCY, and a convenient rechargeable NiCd battery for daily use, gives the user the highest degree of security under all circumstances.

The unique design, enabling use as a normal telephone handset,

– with large pushbuttons for easy ONE hand operation – leaves the user's attention to the critical point, instead of to the radio.

The WATERPROOF cabinet is made from temperature and shockproof polycarbonate material, assembled with modern ultrasound welding techniques.

This transceiver includes the newest technologies in radio engineering, including ASIC circuits and SMT technology, giving the highest possible reliability, and a flexible system design.



## SAILOR Portable VHF-transceiver SP3110 standard package:

VHF transceiver SP3110.  
Helical antenna SP3941.  
Beltclip.  
Standard battery charger/holder SP3911.  
Primary EMERGENCY battery SP3905.  
Rechargeable 700mAh battery pack SP3901.

SP3110 is part of the SP3000 portable transceiver programme, which includes both VHF and UHF transceivers and accessories such as fast charger, shoulder holster and remote control.

## TECHNICAL SPECIFICATION:

Conforms to the international GMDSS requirements stated by IMO, and equivalent specifications like ETS 300 225.

### GENERAL

Normal channels:	All international simplex channels.
Opt. channels:	Up to 200 ch's in a 12.8 MHz band.
Channel spacing:	25 kHz/opt. 12.5 kHz
Frequency range:	138 - 174 MHz.
Operating modes:	Simplex/Semi-duplex
Modulation:	G3EJN (Phase)
Frequency stability:	+/-10ppm/opt. +5ppm
Antenna connection:	M8 thread direct matched antenna. Opt. adapter for BNC or TNC.
Temperature range:	-20°C to +55°C
Supply voltage:	7.5V -20% to +30%
Operating time:	Minimum 8 hours at 10% Tx, 10% Rx and 80% standby.
Transceiver dimen.:	(H) 195mm, (W) 65mm, (D) 47mm.
Transceiver weight:	460g
Battery weight:	Primary Lithium EMERGENCY pack 200g. Rechargeable NiCd pack 700mAh 190g.
Housing category:	IP 57

### RECEIVER

Sensitivity for:	-119 dBm or 12 dB SINAD
AF output power in speaker mode:	500mW/8 ohms
in telephone mode:	50mW/8 ohms
Distortion THD:	Below 10%
Signal/noise ratio:	Better than 40dB
AF response:	- 6dB/octave
Spurious emission:	Below 2nW
Spurious resp. att.:	More than 70dB
Intermodulation att.:	More than 70dB
Blocking:	More than 90dBuV
Cochannel rejection:	More than 8dB
Adj. ch. selectivity:	More than 70dB

### TRANSMITTER

RF output power:	2W Hi/0.25W Lo
Adj. ch. power:	Below -70dBc
Spurious radiation:	Below 0.25uW
AF response:	+6dB/octave
Distortion:	Below 5%
Signal/noise ratio:	Better than 40dB

Specifications subject to change without further notice.

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