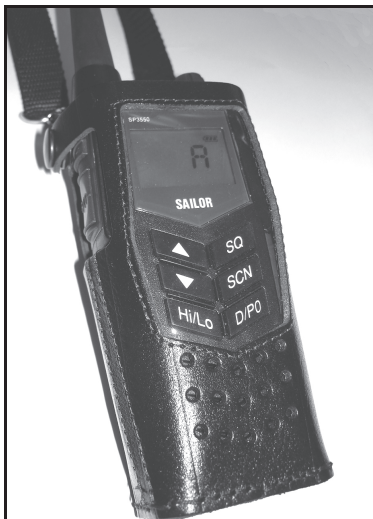


Accessories you may buy

Accessory	Part number
Dual Position Charger CH3508	403508A
Leather Case	403500-205



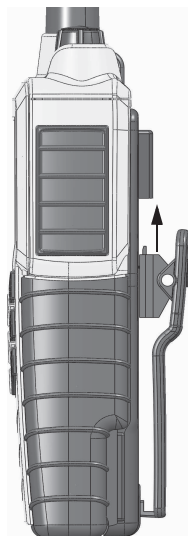
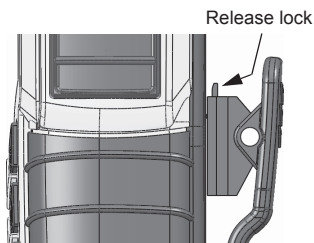
Warning!

The display must always be kept away from the body to reduce the RF exposure when body worn.

Attaching and removing the belt clip

To attach the belt clip, slide the belt clip upwards into the rails at the back of the radio until it locks.

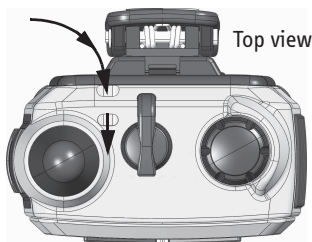
To remove the belt clip, press the projection at the top of the belt clip to release the lock and slide the belt clip downwards out of the rails.



Attaching the lanyard

Do as follows:

1. Take the lanyard through the eye at the top of the radio.
2. Put one end of the lanyard through the loop at the other end of the lanyard and pull to tighten.



Troubleshooting

Displaying errors

Some errors result in an error message in the display. These error messages are listed below.

Display text	Problem	Type	Actions
Err EMPTY BAT	The battery voltage is below a critical level, where further operation would damage the battery.	Severe. Radio is non-functional.	Change/recharge the battery.
Err HW ERR	Hardware error.	Severe. Radio is non-functional.	Service required.
ILLEGAL	Context fails operation. This text will appear on the following occasions: <ul style="list-style-type: none"> • Multiple watch is selected on channel 16, or in channel regions where it is not allowed. • High power is selected on a channel where it is prohibited. • Transmission on blocked channels 	Fail operation	Consider operation in a different context.

Technical specifications

Technical data SP3550

General

Item	Specification
RX frequency range	440.000 - 470.000 MHz
TX frequency range	440.000 - 470.000 MHz
Modulation	
25 kHz	16K0G3E
12.5 kHz	8K50G3E
Power supply	7.2 VDC Li battery
Current drain at 5 W TX	1.8 A
Current drain at 1 W TX	0.9 A
Current drain RX max audio	0.25 A
Antenna port	50 ohm
Battery	Lithium-Ion, 1800 mAh rechargeable
Operating temperature	-20°C to +55°C
Water ingress protection	IP67
Frequency stability	Better than ± 1.0 kHz
Weight with battery	340g

Transmitter

Item	Specification
RF output power, landmobile	4.8 W \pm 1 dB / 0.3 W \pm 1 dB
RF output power, maritime	1.8 W radiated / 0.3 W radiated
Max deviation	
25 kHz	\pm 5 kHz
12.5 kHz	\pm 2.5 kHz
Spurious emission	< 0.25 μ W
Adjacent channel power	
25 kHz	> 70 dB
12.5 kHz	> 60 dB

Receiver

Item	Specification
Sensitivity (20 dB SINAD)	-117 dBm typical
Intermodulation	Better than
EN 300 720	68 dB
EN 300 086	65 dB
Spurious response	> 70 dB

Item	Specification
Adjacent channel selectivity 25 kHz 12.5 kHz	> 70 dB > 60 dB
Audio output, internal	0.25 W at 10% dist.
Audio output, external	0.25 W/8 ohm

Battery life guidelines

Battery (rechargeable)

Note | New batteries should be placed in the charger for minimum 12 hours first time.

During daily use, always keep the battery fully charged and away from hot areas.

Keep the battery terminals dry and clean.

Never discharge beyond the specifications of the battery.

Operation/Standby time depends on usage. Generally, the more the radio is transmitting, the faster it will drain the battery. Also, the “Hi” power setting will drain the battery faster than the “Lo” setting.

Approximate figures are:

- A battery can be stored for 4 to 6 month at 25°C if charged to 25%.
- The battery will normally last for 5 to 9 hours of use on a fully charged battery.

Dimensional drawing, transceiver

