

SAILOR SP3550 Portable UHF

User manual



SP3550 UHF

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Trademark Acknowledgements

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Warranty limitation

IMPORTANT - The radio is a sealed waterproof unit. To create and maintain its waterproof integrity it was assembled in a controlled environment using special equipment. The radio is not a user maintainable unit, and under no circumstances should the unit be opened except by authorized personnel. Unauthorized opening of the unit will invalidate the warranty.

Disclaimer

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Thrane & Thrane A/S is trading as Cobham SATCOM.

Precautions

Avoid water and salt in the I/O connector and keep it clean frequently.

Only use original Thrane & Thrane battery packs. Make sure they are clean and dry before attaching the transceiver. Be careful not to damage any gaskets.

Only use the original Thrane & Thrane charger for the rechargeable battery.

Be very careful when handling the Lithium batteries. With correct use they are safe but any misuse might cause dangerous situations.

Never short circuit the battery terminals, never expose the transceiver and the batteries to extreme temperature or fire and never use any kind of violence.

Avoid close contact between the antenna and parts of the human body. The top of the antenna must never be closer than 2.5 cm to the body when transmitting.

Do not submerge the transceiver more than 1 m for 30 minutes.

Keep the transceiver at least 0.3 m away from the magnetic compass.

Training information

SAILOR SP3550 UHF is designed for to be operated safely. It must be operated by licensed personnel only.

The SP3550 complies with the uncontrolled RF exposure limits.

- FCC OET Bulletin 65 Supplement C, evaluating compliance with FCC guidelines for human exposure to radio frequency electromagnetic fields.
- American National Standards Institute (C95.1) IEEE standard for safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz.
- American National Standards Institute (C95.3) IEEE recommended practice for the measurement of potentially hazardous electromagnetic fields - RF and microwaves.

Warning! Your Thrane & Thrane UHF radio generates electromagnetic RF (radio frequency) energy when transmitting. To ensure that you are not exposed to excessive amounts of energy and thus to avoid health hazards from excessive exposure to RF energy, all persons must be at least 2.5 cm away from the antenna when the radio is transmitting.

Correct use

For best performance, hold the radio vertically and 5 cm away from the head when talking into the microphone.

Manufacturer

Thrane & Thrane A/S, Lundtoftegårdsvej 93D, DK-2800 Kgs. Lyngby, Denmark Industrivej 30, DK-9490 Pandrup, Denmark

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Chapter 1

Introduction

Your UHF

The SP3550 UHF is designed for flexibility in daily use. It connects easily to external equipment like headsets and fist mikes, making the SP3550 suitable for any noisy environment.

Main features:

- Unique man machine interface, an excellent grip even with gloves, and large tactile buttons.
- Display with red adjustable backlight which makes the display visible even at night.
- Built-in "sleep" function, minimizing power consumption and improving battery lifetime.
- Selectable 12.5 kHz narrow band or 25 kHz wide band operation.
- Scrambling function for privacy calls.
- CTCSS function for selective opening of Squelch.
- A lanyard and belt clip included.

A huge accessory program comes with the SAILOR SP3500 series.

Please find the nearest SAILOR distributor on www.cobham.com.



Performance

For best performance of the transceiver keep the following in mind:

- Keep clear of metal environment.
- Hold the transceiver vertically and 5 cm from lips and push the PTT when transmitting.
- In receive mode carry the transceiver vertically with belt clips.
- To preserve battery power, adjust squelch to close the loudspeaker when there is no signal.
- If you are in a lifeboat keep the antenna as high as possible.

Channels

This radio is not programmed with any channels for USA and Canada.

The user have to apply at the authorities for a license.

For Europe this radio can be programmed according to the following tables:

Table 1: Simplex frequencies (25 kHz or 12.5 kHz_(n) use)

Channel designator (preprogrammed)	Recommendation ITU-R M.1174-3	Frequency
A	4	467.525 MHz
A _n	21	407.325 MHZ
В	5	467.550 MHz
B _n	23	407.000 MIRZ
С	6	467.575 MHz
C _n	25	407.373 MHZ

Channel designator (preprogrammed)	Recommendation ITU-R M.1174-3	Frequency	
D	1	457.525 MHz	
D _n	11	457.525 MIRZ	
E	2	457.550 MHz	
En	13	437.330 MHZ	
F	3	457.575 MHz	
Fn	15	457.575 MHZ	

Table 2: Additional frequencies for 12.5 kHz use

Channel designator (preprogrammed)	Recommendation ITU-R M.1174-3	Frequency
M _n	22	467.5375 MHz
N _n	24	467.5625 MHz
0 _n	12	457.5375 MHz
P _n	14	457.5625 MHz

Table 3: Duplex frequencies for use with repeaters only (25 kHz or 12.5 $\mbox{kHz}_{(n)}$ use)

Channel designator (preprogrammed)	Repeater RX Frequency	Repeater TX Frequency
G G _n	467.525 MHz	457.525 MHz
H H _n	467.550 MHz	457.550 MHz

Channel designator (preprogrammed)	Repeater RX Frequency	Repeater TX Frequency	
]	467.575 MHz	457.575 MHz	
J _n			
К	467.5375 MHz	457.5375 MHz	
K _n			
L	467.5625 MHz	457.5625 MHz	
L _n		10710020 11112	

The channel designators are defaulted to the letter formats "A" (25 kHz frequency separation) or " A_n " (12.5 kHz frequency separation). Any additional explanatory naming can be added (see *ADD NAME* in *Chapter 4 Configuring the radio* on page 19.

If no dedicated naming is applicable users are encouraged to add complimentary channel names as defined in table 2 and 3 (Recommendation ITU-R M.1174-3). Examples:

- 12 kHz operation: "A" "CH 4"
- 12.5 kHz operation: "A_n" "CH 21"
- Both 25 and 12.5 kHz operation: "A_n" "CH 4 21"

Your dealer can perform any custom programming.

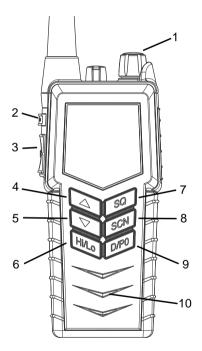
Chapter 2

Operation

Controls

Keys and buttons

- 1. On/off/volume
- 2. Light/Lock
- 3. Push To Talk (PTT)
- 4. Up key
- 5. Down key
- 6. Hi/Lo output power
- 7. Squelch
- 8. Scan
- 9. D/P0 quick channel select
- 10. Loudspeaker/microphone



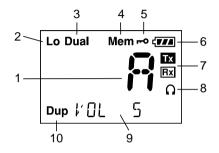
Key presses

Pressing and holding certain keys gives access to additional functions, shown in the table below.

Key	Short press (1 beep)	Long press (2 beeps)	Extra long press (3 beeps)
00	Show next available item in the list (up or down). Default: Channel selection	Run through available items, or select tagged channels P1 (♥) or P2 (▲).	Run through available items if an P1 or P2 channel is tagged
50	Activate Squelch control (Adjust with up/down arrows).	Monitor function. Open Squelch completely.Set period of time in configuration mode.	
SCN	1 press: Activate/ terminate Dual watch. 2 presses: Activate memory scan.	Add/Delete channel from memory scan.	
Hi/Lo	Toggle between high and low transmitter power.		
D/P0	Select channel D.	Select preprogrammed channel PO.	

The display

The display holds various fields of information, explained below.



- 1. Current working channel.
- "Lo": Reduced transmitter power. Full transmitter power is not shown in display.
- 3. Dual watch activated.
- 4. Current working channel is marked for scanning.
- 5. Keypad is locked.
- 6. Battery level indicator.
- 7. Transmitting (TX) /Receiving (RX).
- 8. Accessory is connected.
- 9. Service line for various purposes. In this example the volume level.
- 10. Semi-duplex channel.

Using the UHF

Basic functions

Note

Before using the radio, mount the antenna at the top of the radio. The antenna is delivered with the radio.

Switching the radio on and off

• To switch the radio on, turn the knob at the top of the radio clockwise.

The display lights up showing the last used channel and the battery level.

• To switch the radio off, Turn the knob back counter-clockwise until it clicks.

Selecting the working channel

- To select channel D, press the D/PO key.
- To select among all available channels, press ▲ or ▼ on the keypad.
 For fast selection, press and hold ▲ or ▼.

The display shows the currently selected channel. The bottom left corner of the display shows "Dup" if the channel is a semi-duplex channel.

Note

Long press on \blacktriangle or \blacktriangledown can also be used to select preferred channels. For information on how to program preferred channels, see Configuring the radio on page 17.



Activating a call

To **activate a call** to the selected channel, press and hold the **PTT** button on the side of the radio.

The radio transmits as long as the PTT button is pressed. A small **TX** sign next to the channel number indicates when the radio is in transmit mode.

Adjusting the volume

- To increase the volume, turn the on/off knob at the top of the radio clockwise.
- To decrease the volume, turn the knob counter-clockwise.

The display shows the level of the volume, e.g. "VOL $\,$ 5", while it is adjusted.

Using Squelch control

- To activate Squelch control, press the SQ key.
- To set the Squelch level, press ▲ (closing) or ▼ (opening). The display shows the Squelch level while it is adjusted, e.g. "SQ 5".

Adjusting the display backlight

- To turn on the backlight, press the Light/Lock button on the side of the radio.
- **To adjust** the backlight level, press ▲ or ▼ within 3 seconds after turning on the light. The display shows the level while it is adjusted, e.g. "DIM MED".





Using Dual watch (requires priority channel is programmed)

- To activate Dual watch, press the SCN key. The display shows "Dual" at the top and "D" at the bottom right. The radio toggles between the selected channel and channel D (if channel D is programmed as the priority channel).
- To terminate Dual watch, press SCN again.

Scanning channels

- To activate scanning memory, press 2 times SCN within ¹/₂ a second. During scanning, the display shows "SC" in the channel field. The radio toggles between channel D and each of the channels are marked for scanning (only if a priority channel, e.g. D was programmed).
- To terminate scanning, press SCN once.

Changing the transmitter power

To change the transmitter power, press the **Hi/Lo** key. The display shows "Lo" when power is set to low. Otherwise maximum power is used.

Locking the keypad

- To lock the keypad, press and hold the Light/Lock button. The display shows a key symbol when the keypad is locked.
- To unlock the keypad, press and hold the Light/Lock button again.

Other functions

Programming the scanning memory

To add a channel to the scanning memory, select the channel and then press and hold the SCN key until the display shows MEM at the top.

To remove a channel from the scanning memory, select the channel and then press and hold the **SCN** key until the MEM sign disappears from the display.

Low power operation

The radio can be operated in low power mode. In this mode battery life time is dramatically increased. Up to the first second of a received call might be lost if this mode is selected. Refer to SLEEP on page 18.

Continuous Tone Coded Squelch System

Selective squelch opening by sub-tone detection (CTCSS) can be enabled, using the configuration mode (see CTCSS on page 21). Please note that if the radio is operating with CTCSS on a channel, and a carrier is received, it may not be recognized in the loud speaker if the matching sub-tone is not detected. For this reason, be very careful not to use CTCSS programmed channels in emergency situations. For the same reason transmitting is prohibited (reporting "BUSY") if a (silent) carrier containing any sub-tone is active on the channel while pressing PTT.

Channels programmed with CTCSS will have a clear identification in the service field, e.g. "CTCSS 22", while selected. Not all channels are allowed for CTCSS use.

For maritime channels CTCSS is automatically disabled when

• Product is turned off

• A new channel is selected

For private channels, the feature will remain until manually removed.

Scrambler

On channels where it is allowed, you can set up voice scrambling, using configuration mode (see SCRM on page 22).

Please note that if the radio is operating with scrambling on a channel, it is impossible to communicate with other radios that are not programmed with the same scrambler code. For this reason, be very careful **not** to use scrambled channels in emergency situations. Scrambled channels will have a clear identification in the service field, e.g. "SCRM 3", while selected. Not all regions allow the use of voice scrambling.

For maritime channels scrambling is automatically disabled when

- Product is turned off
- A new channel is selected

For private channels, scrambling will remain until manually removed.

Note Prior to any initiation of scrambling, the operator must always identify the calling station in clear voice (unscrambled) on that channel. Use of scrambling may also be restricted by national laws.

Narrow band operation

The radio is prepared for narrow band operation. (see BAND on page 22). Narrow band configuration is indicated with an "n" next to the channel designator.

Alive beep

To enable "ALIVE" function do as follows:

- 1. Select the channel where ALIVE function is desired to be transmitted.
- 2. Press and hold the **Hi/Lo** until you see "ALIVE ON" on the radio display. It takes approx. a second.
- 3. Now "ALIVE" is transmitted by a "beep" on the working channel, with approx. 4-second intervals.

To deactivate "ALIVE" function do as follows:

• Press and hold the **Hi/Lo** pressed until "ALIVE ON" no longer appears on the radio display. It takes approx. a second.

"ALIVE" function is also deactivated when

- The channel is changed.
- The radio is turned OFF and ON again.
- Watch or scanning is enabled.
- Squelch is open.

Refer to ALIVE on page 24

Batteries

Battery level indication

When the battery level is low, you should recharge the battery.

The radio display shows the battery status. When the battery symbol is empty and flashing, the battery should be recharged as soon as possible.

Removing and inserting the battery pack

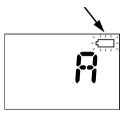
To remove the battery pack, do as follows:

- 1. Open the safety lock as shown.
- 2. Remove the battery.

To insert the battery pack, attach the battery and then close the safety lock.



1



The battery chargers

The chargers has two compartments. CH3507

- A rear compartment only for storing a spare battery. It does not have a charger function.
- A front compartment for recharging the battery alone or while attached to the radio.

CH3508

 It is possible to charge a battery in rear compartment simultaneously with the radio/battery in front.

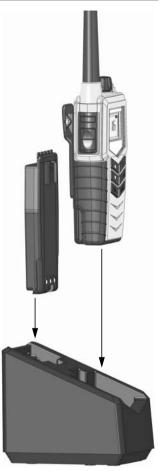
Installing the charger

Mounting the charger

There are several options for mounting one or more chargers on a table or a wall.

For information on dimensions and screw positions, refer to Dimensional drawing, charger on page 36.

When mounting the charger, make sure it is placed in a dry place and away from direct sunlight. The charger is not waterproof.



Connecting to power

The charger can be supplied from DC or from AC using an AC/DC converter.

DC: Connect the 12-24VDC Connection Cable between the DC supply and the connector on the underside of the charger.

AC: Connect the AC/DC converter to the connector on the underside of the charger. Then connect the AC/DC converter to the AC outlet.

Recharging the battery

To recharge the battery, place the radio with battery or the battery alone in the front position of the charger cradle.

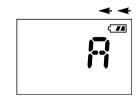
If the radio cannot turn on due to complete discharged battery, then **turn** of the radio and place it in the charger or charge the battery alone.

The light indicators on the charger cradle show the status as follows:

- Green light: Power is connected to the charger.
- Slow red flash: Charging in progress.
- Quick red flash (twice per second): Charging error, e.g. battery defect or temperature out of range.
- Steady red light: Charging completed. Trickle charge mode.

Charging time with empty battery: UHF off approx. 4 hours, UHF on: approx. 5 hours.

The battery indicator on the radio display indicates if the radio is placed in the charger while radio and charger are both powered.



Configuring the radio

Configuration mode

Entering and using configuration mode

Note The radio is not operational in configuration mode.

- To enter configuration mode, press and hold the Light/Lock button while turning on the radio.
 The bottom line of the display shows the current menu item/setting.
- To exit configuration mode, turn off the radio or press any key except
 ▲, ▼ and the Light/Lock button.

 Using the PTT button or leaving the radio inactive for 10 seconds also causes the radio to exit configuration mode.
- To change a setting, press ▲ or ▼.
- To confirm the current setting and go to the next menu item, press the Light/Lock button.

List of configuration settings

The following settings are available in configuration mode.

Name	Values	Description
LIGHT	MAN	Only Light/Lock button activates the backlight.
	KEY	All keys and buttons, except PTT and volume control, activate the backlight.
BEEP	МАХ	Status click/beep sound on key press, long press (settings/programming saved) and battery alarm. Maximum level.
	MIN	Status click/beep sound on key press, long press (settings/programming saved) and battery alarm. Minimum level.
	OFF	All beeps off.
VER	X.XX.XX	Software version. Read-only.
BAT	X.XX	Battery voltage (V). Read-only.
ТЕМР	XX.X	Temperature (°C). Read-only.
SLEEP	ON	Enable sleep mode (to minimize power consumption).
		Sleeps for periods of 1 second after 15 seconds of idle mode. Idle mode is: no signal detected and no operation of the radio.
	OFF	Disable sleep mode.

Name	Values	Description
CONTRST	1, 2, 3, 4, 5	Contrast. 1 = lowest and 5 = highest.
SHANG	OFF	Off. Resumes scanning when signal disappears.
	4, 6, 8, 10	Scan hang time (in seconds) on an active receiving working channel. The time is measured from signal detected - remains on channel even if signal disappears.
RESCN	OFF	Automatic resume deactivated.
	3, 6, 10, 15, 20, 25, 30	Scanning/watch can be automatically resumed after this time (seconds) if previously terminated with PTT.
SQ	TIME	A long press on SQ opens squelch. The squelch level resumes to setting 3 seconds after SQ is released.
	MAN	A long press on SQ opens squelch. The squelch level resumes to setting as soon SQ is released.
WORK	ON	If the default channel D is selected using the D/P0 key, any push on \blacktriangle or \checkmark will select the working channel active before D/P0 was pushed.
	OFF	If on a distress or call channel, any push on ▲ or ▼ will select the channel next to the displayed channel.

Configuring the radio

Name	Values	Description
P0	OFF	Remove tag "P0" for current working channel.
	ON	Tag current working channel with "P0". If another channel was previously tagged "P0", this is overruled.
		 The working channel can now be selected with a long press on "D/P0".
P1	OFF	Remove tag "P1" for current working channel.
	ON	Tag current working channel with "P1". If another channel was previously tagged "P1", this is overruled.
		 The working channel can now be selected with a long press on ▼.
P2	OFF	Remove tag "B" for current working channel.
	ON	Tag current working channel with "P2". If another channel was previously tagged "P2", this is overruled.
		 The working channel can now be selected with a long press on ▲.

Name	Values	Description
SUBC	OFF	SUBC disabled. Squelch opens on all received signals.
	1, 2,, 38	Sub-tone carrier ID.
		Squelch opens if the received signal contains the desired subtone. During transmission the sub-tone with the corresponding ID is generated.
		Two radios on the same channel and with the same sub-tone ID, can reduce unwanted incoming traffic from other users on the same channel.
CTCSS	OFF	CTCSS disabled.
	ON	Activate CTCSS on working channel. Two radios on the same channel and with SUBC enabled, can have a certain level of privacy.
		Note that if you choose this option, the radio immediately exits configuration mode and starts CTCSS on the working channel.
GROUP	SEL	Selective Mode. Squelch opens only if the programmed sub-tone is received in the signal.
	ANY	Squelch opens on reception of any of the 38 sub-tones.

Name	Values	Description
SCODE	OFF	No scrambler code is assigned to the channel (selecting "ON" in the SCRM setting will have no effect).
	1, 2, 3, 4, 5, CC	A selection between 5 fixed sets of scrambler characteristics, and a custom code (CC), can be assigned to the channel.
		Note that the custom code can be defined in the service interface.
SCRM	OFF	Scrambler disabled.
	ON	Activate scrambling on working channel. Two radios on the same channel and with scrambling enabled, can have a certain level of privacy.
		Note that if you choose this option, the radio immediately exits configuration mode and starts scrambling on the working channel.
BAND	25.0	Wide band operation selected.
	12.5	Narrow band operation selected.
ALIVE	OFF	Factory default state.
	ON	Press ▲ to set "ALIVE" on.

Name	Values	Description
ADD NAME	A-Z, 0-9	Makes it possible to name the channels.
		The name must contain a maximum of 9 characters, use only capital letters, digits and spaces.
		Press Light/Lock to confirm programming.
		Note: The name appears in the service line on the display.

Chapter 5

Equipment and accessories

External equipment

List of equipment

The following equipment can be connected to the radio:

- SAVOX 400E Push-To Talk unit
- SAVOX C500 Fist Mike
- SAVOX NC/400 Noise-com
- SAVOX HC-E Helmet-com
- SAVOX K53004 Helmet unit
- Peltor MT7H79 Headset

We recommend to remove all accessories during emergency use.

All accessories listed might be used when body worn.

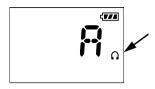
Connecting external equipment

Connect the dedicated interface cable between the external equipment and the top connector on the radio.

Interface cable	Order number
For SAVOX 400E	403500-940
For SAVOX C500	403500-950
For Peltor FL5061	403500-951



When external equipment is connected to the radio, the right side of the display will show a headset.



Impact on radio operation

The external equipment can have a built-in PTT button, speaker and microphone. Thus a connection has per default the following impact on the radio operation:

- If a speaker or earpiece is built into the detected external equipment, the sound device of the external equipment is used, and the internal radio speaker is disabled.
- The external accessory microphone is selected as audio input device, when the external PTT button is pressed. The transceiver microphone is used as audio input device when the transceiver PTT button is pressed.
- This behaviour can be changed in the service tool.

Accessorie connector

Pin 1. Loudspeaker,

minimum 8 ohm impedance.

- Pin 2. Accessory power, 5V maximum 0.03A.
- Pin 3. Microphone input,

Ri = 2.2kohm, 3V phantom power.

Pin 4. GND.



Accessories

List of accessories

The following accessories are delivered with your radio:

Accessory	Part number
Rechargeable battery, B3502	403502A
Charger, CH3507	403507B
AC/DC converter, length 150cm (100-240V~ /12VDC out)	88-125538
12-24VDC Connection cable, length 150cm	37-124381
Belt clip	62-124320
Antenna	88-125662
Lanyard	41-124375
User Manual (this manual)	98-124308

Batteries, charger, AC/DC Converter and **12VDC Connection** are described in Batteries on page 13.

To mount the **antenna**, simply screw it into the threaded bush at the top of the radio.

Use of **lanyard** is only for hand held operation. Put it around the wrist to prevent dropping the radio.

Accessories you may buy

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



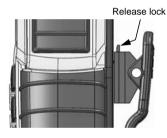
Warning!

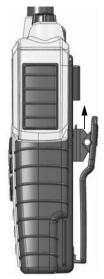
The display must always be kept away from the body to reduce the RF exposure when body worn.

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	Туре	Actions
Err емрту ват	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	Hardware error.	Severe. Radio is non- functional.	Service required.
ILLEGAL	Context fails operation. This text will appear on the following occasions:	Fail operation	Consider operation in a different context.
	 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 		

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 kHz12.5 kHz	16K0G3E
	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, maritime	1.8 W radiated / 0.3 W radiated
Max deviation 25 kHz12.5 kHz	
	±5 kHz
	±2.5 kHz
Spurious emission	< 0.25 µW
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 dB65 dB
EN 300 086	
Spurious response	> 70 dB
Adjacent channel selectivity	
25 kHz	> 70 dB
12.5 kHz	> 60 dB

Item	Specification
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.

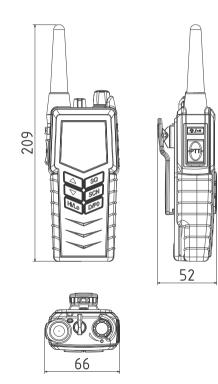
Never discharge beyond the specifications of the battery.

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.

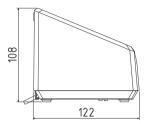
Approximate figures are:

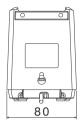
- A battery can be stored for 4 to 6 month at 25°C if charged to 25%.
- The battery will normally last for 5 to 9 hours of use on a fully charged battery.

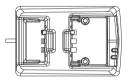
Dimensional drawing, transceiver



Dimensional drawing, chargers

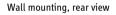


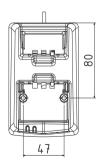


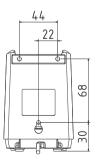


Mounting Possibillities

Desktop mounting, top view







EU Declaration of Conformity

Thrane & Thrane A/S declares that the equipment complies with the specifications of the Radio Equipment Directive (RED) 2014/53/EU. The full text of the EU Declaration of Conformity is available at the internet address: https://sync.cobham.com/satcom/products/marine.

Attention

Gore-tex Membrane

To keep the UHF watertight, is it very important that the Gore-Tex membrane under no circumstances must be damaged/covered or removed.

That is, do not remove the Gore-Tex membrane or place any labels in the area.



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