

# **VHF RT2048**

# SAILOR COMPACT 2000 PROGRAMME ENGLISH

The SAILOR RT2048 VHF radiotelephone has been designed to comply with the increasing demands of a highly technological product, which means high quality, small size, etc.

The SAILOR RT2048 has furthermore been designed to fit into the SAILOR Compact 2000 module programme.

The SAILOR RT2048 can either be installed and operated as an independent unit, or in combination with other elements of the Compact 2000 programme. These include a duplex VHF radiotelephone, a coast telephony station with a 400W PEP SSB transmitter, and an SSB receiver with built-in FM and AM bands, and a scrambler which ensures complete communication secrecy.

The SAILÓR VHF RT2048 has, by means of the latest technology in casting technique, been constructed to withstand the most extreme conditions experienced in small, semi-open boats. Its compact, weatherproof construction ensures a degree of resistance to sea spray.

The printed circuits inside have been designed with a high degree of compactness and exceptional performance.

For more than half a century, SALOR has been synonymous with state-of-the-art, high-quality maritime communications equipment - known for sturdiness, ease of operation and compact design.

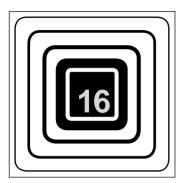
SAILOR is a world leader in the technologically advanced field of maritime communications. A wide range of products from GMDSS equipment, UAIS, and satellite communications equipment to simple VHF radios ensures the safety at sea and the daily communication around the world. In the design of this VHF RT2048 radiotelephone,

In the design of this VHF RT2048 radiotelephone, SAILOR has taken into account all the circumstances it will be exposed to in day-to-day operation. However, even a product of this high quality requires regular servicing and maintenance, and we recommend a close observance of the directions contained in the instruction manual.

Fast and professional service is one of our main concerns. SAILOR has a world-wide net of authorized distributors in more than 90 countries - and on top of that the SAILOR Certified Service Centre concept. In this way we are able to service you in the best way possible all over the world.



SAILOR <sup>®</sup> · Porsvej 2 · PO Box 7071 · DK-9200 Aalborg SV · Denmark Phone: +45 9634 6100 · Fax: +45 9634 6101 · Telex: 69789 ECI DK E-mail: sailor@sailor.dk · Web: www.sailor.dk



### DISTRESS CALL PROCEDURE

Transmit on channel 16: MAYDAY MAYDAY MAYDAY This is:

NAME OF SHIP, call sign or other identification (THREE TIMES), followed by: MAYDAY - NAME OF SHIP -Position, type of emergency, help required and other information which may help rescue operations.

For clarity when SPELLING OUT words, the following alphabet should be used:

A - <b>Al</b> fa	N - No <b>vem</b> ber
B - <b>Bra</b> vo	0 - <b>Os</b> kar
C - Charlie	P - Pa <b>pa</b>
D - <b>Del</b> ta	Q - Que <b>bec</b>
E - <b>Ec</b> ho	R - Romeo
F - Foxtrot	S - Si <b>er</b> ra
G - Golf	T - Tango
H - Ho <b>tel</b>	U - Uniform
I - <b>In</b> dia	V - Victor
J - <b>Ju</b> liett	W - Whiskey
K - <b>Ki</b> lo	X - X - ray
L - <b>Li</b> ma	Y - Yankee
M - Mike	Z - <b>Zu</b> lu

### NOTE:

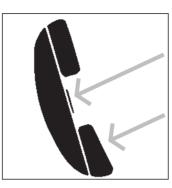
- 1. The distress call should be repeated from time-to-time until an answer is heard.
- 2. If no reply is heard on channel 16, the call should be repeated on any other available channel.
- 3. Speak slowly, pronouncing each word distinctly.



### **OPERATING**

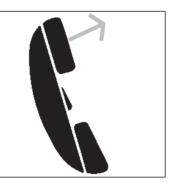
The operating panel is provided with a really high quality pushbutton keyboard, offering an attractive solid feel. Furthermore, keyed operations are instantly confirmed by means of the display read-out.

To ensure safe operation under all conditions, the keyboard is fitted with night-time illumination.



### SIMPLEX/SEMI-DUPLEX COMMUNICATION

All the communication, that means ship/ship, ship/port, and ship/coast station, is carried out in the simplex or semi-duplex mode. This means that the handset key switch is depressed while the message is delivered, ending with the word "over". The switch is now released, allowing the other party to reply.



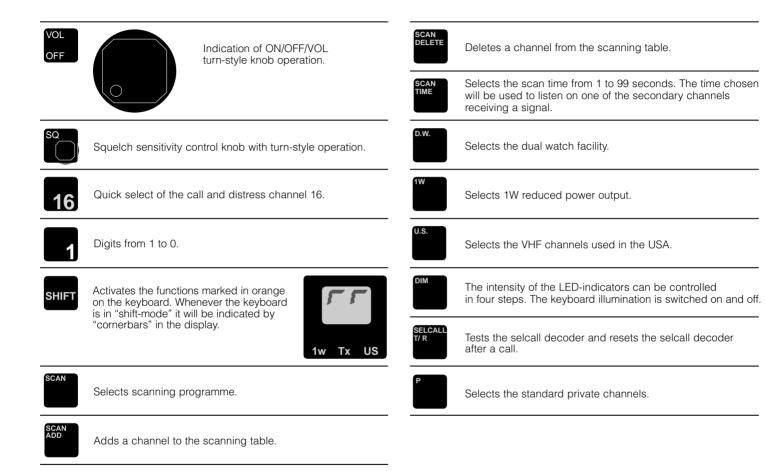
### PRIVATE CHANNELS

There is standard provision for the programming of up to 10 private channels. However, it is possible to increase the total to 40 private channels if the scanning facilities are not required.

A private channel is indicated with a prefix and a single digit. For the 10 standard channels the prefix is a "P", if increased to 40 private channels the prefix will be "A", "E" and "F".

Private channels include fishing and leisure channels as well as the special channels allocated by post and telegraph authorities.

## CONTROLS



## **READ-OUT**

#### CHANNEL READ-OUT

All international maritime channels are shown by the two digits, when the channel has been keyed in. Selection of a standard private channel will be indicated with a P-.



### <u>REDUCED POWER</u>

In harbour areas, or in the close vicinity of another vessel, transmissions should be with reduced power. When the display shows 1W, the transmitter power output is reduced from 25W to 1W. Where two stations are close together, this reduction can improve communication quality.

### TRANSMITTING

Whenever the handset switch is depressed, and the transmitter output power level has reached an appropriate level, the "TX" will appear.

If the transmitter time-out timer is enabled, and an automatic termination of a transmission has occurred, this indicator will be flashing.

### US-CHANNELS

In the USA a number of the international duplex channels are used as simplex channels. Ships sailing in American waters must, therefore, be able to select these channels as simplex channels. The appearance of "US" on the display indicates that this mode of operation is in use.

## OPERATION

The VHF radiotelephone is operated by means of two turn-style knobs and a push-button keyboard. This combination ensures a high continuous resolution on squelch and AF-level, and an easy selection of channels etc in all situations.

The highly efficient LED-display shows the operating channel both under normal use and in dual watch mode. The display also indicates when the set is scanning or a call has been detected by the selcall decoder. The functions 1W, TX, and US are indicated by means of LED-illumination.

When the station is switched off, the necessary settings will be stored in the built-in-memory, and as soon as the station is switched on again, it will start up on the same channel etc.

### How to Select the Distress and Call Channel 16

Press:



Read-out:



### How to Select a Channel

E.g. channel 23. Press:





How to Select a Private Channel

E.g. channel P3. Press:



Read-out:



### How to Select Reduced Output Power

Press:



Read-out:



### How to Return to 25W Output Power



Read-out:



### How to Select Channels Used in the USA

Press:



Read-Out



### How to Raise Output Power to 25W on Channels 13 or 67 in US-Mode

Press:



depressed simultaneously with the handset key.

### Read-out:



### <u>How to Return to</u> International Channels

Press:



Read-out:



### How to Change Display Light Intensity



For single step change

or



ep **DIM** 

depressed for multiple step change. Totally 4 steps in the cycle. In the step before extinction, the keyboard will be illuminated.

# SELECTIVE CALLING

When a selective call is received from a coast station, the read-out will alternatively show **CA**, and the actual selected channel and the acoustic alarm will sound for 10 seconds.

When an "all ships call" containing distress messages, gale warnings, navigational warnings, etc, is received from a coast station, the readout will alternatively show **C0**, and the actual selected channel and the acoustic alarm will sound until the selcall is reset.

## DUAL WATCH OPERATION

In addition to the selected channel, which is shown on the display, the VHF station will listen on channel 16 for 0.1 second every 1.2 second.

If there is a signal on channel 11, the dual watch sequence will be as follows:

16 11 16 11 16 11	
-------------------	--

Any signal received on channel 16 will be heard continuously and the readout will show "16" until the signal ceases.

If the transmitter is keyed, the dual watch function will be switched off and the read-out will show the channel selected.

## How to Test the Selcall Decoder



The read-out will alternate between:

and





The acoustic alarm will sound.

This read-out indicates that the test has been correctly carried out.

Now press:



to reset the selcall decoder.

### How to Reset the Selcall Decoder

After an individual call or an "all ships call" has been received, press:



### How to Select Dual Watch

and



Read-out:



16 Tx US

alternatively.

How to Switch Off Dual Watch





Read-out:



### SCANNING OPERATION (If scanning is enabled)

The VHF radiotelephone is provided with a flexible scanning facility.

The scanning programme is fully user programmable, and can include all the international channels and the ten private channels PO -P 9.

When a scanning programme is created by the operator, the programme will be stored in a memory which retains the scanning programme even when the station is switched off.

The scanning programme can be changed during operation by pressing "ADD" or "DFI FTF"

### SCANNING

In principle, scanning is an advanced form of the dual watch system in which the secondary channel selected changes constantly whilst the distress and call channel 16 is listened to simultaneously

If, for example, a scanning programme consists of channels 6, 11, 17, and 70, the scanning sequence will look like this:

### 6 16 11 16 17 16 70 16 6

If there is a signal on channel 11, the sequence will be:



The "Scan Time" is the time during which the scanner listens on channel 11 whilst at the same time watching out on channel 16 - exactly as it happens on the dual watch system. The "Scan Time" can be programmed by the operator

To obtain a continuous listening to the signal being received on channel 11, the scanning is stopped by simply pressing "SHIFT" "SCAN".

The scanning can be started again by pressing "SHIFT" "SCAN".

### How to Start the Scanner

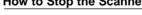
How to Stop the Scanner

Press:

## SHIFT

Read-out:





Press any of the buttons:



Read-out e.g.:



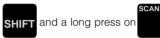
The channel number corresponding to the activated push-button.

### How to Return to the Last Channel with Signal



### How to Check the Channels Contained in the Scanning Programme

Press:



and the channels in the programme will slowly be shown in the display.

### How to Add a Channel to the Scanning Programme

E.g. to add channel 69. press:



Read-out:



To restart the scanning programme, press:

	SCAN
SHIFT	

Read-out:



### How to Delete a Channel from the Scanning Programme

E.g. to delete channel 69, press:



The read-out shows the next channel in the programme, e.g.:



The revised scanning programme becomes operative by pressing:



Read-out:



### How to Read the Programmed "Scan Time"

Press:



and the actual "Scan Time" will be read out in the next 2.5 seconds, e. g. scan time = 5 seconds:



followed by the selected channel.

## How to Programme/Change the "Scan Time"

To set the "Scan Time" to 10 seconds press:



Note! After "SHIFT" "Scan Time" has been keyed in. The maximum time between the following entries must be 2.5 seconds, or the input sequence will be ignored.

The read-out will be the entered digits, followed by the selected channel after a period of 2.5 seconds.

### **Empty Scanning Programme**

If the scanning programme is empty, or attempt has been made to add a new channel to a »full« scanning programme (which means that the existing programme includes the maximum number of channels permitted), the read-out will show:



for a period of 2.5 seconds, followed by the selected channel.

## CHANNEL APPLICATION AND FREQUENCY TABLE

		/	/	///	/	SHIPLE CHANNES
			/			A A A A A A A A A A A A A A A A A A A
			/			TO ONE
	HAMMELS CO	/II				/24/51
	JAN 12	/ <u>~</u> /	\$	JBUC		
/ ථ	× / ***/ <	2 <sup>01</sup> / 2 <sup>0</sup>	∑∕¢	Nº /	1.5	St I
$\left( \right)$	{ /	( '			″Ϋ́`	
-	SIMPLEX	DUPL		FREQUENCIES Tx: 156.050 MHz		Tx: 156.050 MHz
1			•	Rx: 160.650 MHz Tx: 156.100 MHz	$\square$	Rx: 160.650 MHz Tx: 156.100 MHz
2				Rx: 160.700 MHz		Rx: 160.700 MHz
3				Tx: 156.150 MHz Rx: 160.750 MHz		Tx: 156.150 MHz Rx: 160.750 MHz
4			•	Tx: 156.200 MHz Rx: 160.800 MHz	$\square \bigcirc$	Tx: 156.200 MHz Rx: 160.800 MHz
5				Tx: 156.250 MHz		Tx: 156.250 MHz
			•	Rx: 160.850 MHz Tx: 156.300 MHz	Ы	Rx: 160.850 MHz Tx: 156.300 MHz
6			-	Rx: 156.300 MHz Tx: 156.350 MHz	H	Rx: 156.300 MHz Tx: 156.350 MHz
7				Rx: 160.950 MHz	$\square$	Rx: 156.350 MHz
8				Tx: 156.400 MHz Rx: 156.400 MHz		Tx: 156.400 MHz Rx: 156.400 MHz
9				Tx: 156.450 MHz Rx: 156.450 MHz		Tx: 156.450 MHz Rx: 156.450 MHz
10				Tx: 156.500 MHz	$\overline{\mathbf{O}}$	Tx: 156.500 MHz
11				Rx: 156.500 MHz Tx: 156.550 MHz	17	Rx: 156.500 MHz Tx: 156.550 MHz
	•			Rx: 156.550 MHz Tx: 156.600 MHz	H	Rx: 156.550 MHz Tx: 156.600 MHz
12				Rx: 156.600 MHz	$\square$	Rx: 156.600 MHz
13	$\bullet \bullet$			Tx: 156 650 MHz Rx: 156.650 MHz		Tx: 156 650 MHz Rx: 156.650 MHz
14				Tx: 156.700 MHz Rx: 156.700 MHz		Tx: 156.700 MHz Rx: 156.700 MHz
15				Tx: 156.750 MHz	$\bigcirc$	Tx: 156.750 MHz Rx: 156.750 MHz
16	Distress a	nd Col	ling	Rx: 156.750 MHz Tx: 156.800 MHz	1 1 1	Tx: 156.800 MHz
	Distress a		iing	Rx: 156 800 MHz Tx: 156.850 MHz	K	Rx: 156 800 MHz Tx: 156.850 MHz
17				Rx: 156.850 MHz Tx: 156.900 MHz	PH-	Rx: 156.850 MHz Tx: 156.900 MHz
18				Rx: 161.500 MHz	$\square$	Rx: 156.900 MHz
19				Tx: 156.950 MHz Rx: 161.550 MHz	O	Tx: 156.950 MHz Rx: 156.950 MHz
20				Tx: 157.000 MHz Rx: 161.600 MHz		Tx: 157.000 MHz Rx: 161.600 MHz
21				Tx: 157.050 MHz		Tx: 157.050 MHz
-				Rx: 161.650 MHz Tx: 157.100 MHz	17	Rx: 157.050 MHz Tx: 157.100 MHz
22			-	Rx: 161.700 MHz Tx: 157.150 MHz	H	Rx: 157.100 MHz Tx: 157.150 MHz
23			•	Rx: 161.750 MHz Tx: 157.200 MHz	$\mathbb{M}$	Rx: 157.150 MHz Tx: 157.200 MHz
24				Rx: 161.800 MHz		Rx: 161.800 MHz
25			$\bullet$	Tx: 157.250 MHz Rx: 161.850 MHz		Tx: 157.250 MHz Rx: 161.850 MHz
26				Tx: 157.300 MHz Rx: 161.900 MHz	$\square \bigcirc$	Tx: 157.300 MHz Rx: 161.900 MHz
27				Tx: 157.350 MHz	Πň	Tx: 157.350 MHz
28				Rx: 161.950 MHz Tx: 157.400 MHz	HĂ	Rx: 161.950 MHz Tx: 157.400 MHz
			•	Rx: 162.000 MHz	$\vdash \square$	Rx: 162.000 MHz
Р						
Р						
Р						
Р						
P						
L <b>-</b>	I				L	I

CUM         ME         ME <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th></th<>						
SIMPLEX         DUPLEX         REQUENCIES           60         •	/		/ /	///	/	10/3/
SIMPLEX         DUPLEX         REQUENCIES           60         •						1 THE AND
SIMPLEX         DUPLEX         PREQUENCIES         PREQUENCIES           60         •         •         Tx: 156.025 MHz         ·         ·           61         •         •         Tx: 156.025 MHz         ·         ·         ·           62         •         •         Tx: 156.025 MHz         ·         ·         Tx: 156.025 MHz           63         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           64         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           65         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           66         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           67         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           68         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz         ·         Tx: 156.225 MHz           70         DSC         Tx: 156.255 MHz         ·         Tx: 156.255 MHz         ·         Tx: 156.255 MHz           73         •         Tx: 156.255 MHz         ·         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.6						CH CHE
SIMPLEX         DUPLEX         PREQUENCIES         PREQUENCIES           60         •         •         Tx: 156.025 MHz         ·         ·           61         •         •         Tx: 156.025 MHz         ·         ·         ·           62         •         •         Tx: 156.025 MHz         ·         ·         Tx: 156.025 MHz           63         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           64         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           65         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           66         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           67         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           68         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz         ·         Tx: 156.225 MHz           70         DSC         Tx: 156.255 MHz         ·         Tx: 156.255 MHz         ·         Tx: 156.255 MHz           73         •         Tx: 156.255 MHz         ·         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.6	/	/ \$ /	"R /    /			15/5/
SIMPLEX         DUPLEX         PREQUENCIES         PREQUENCIES           60         •         •         Tx: 156.025 MHz         ·         ·           61         •         •         Tx: 156.025 MHz         ·         ·         ·           62         •         •         Tx: 156.025 MHz         ·         ·         Tx: 156.025 MHz           63         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           64         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           65         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           66         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           67         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           68         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz         ·         Tx: 156.225 MHz           70         DSC         Tx: 156.255 MHz         ·         Tx: 156.255 MHz         ·         Tx: 156.255 MHz           73         •         Tx: 156.255 MHz         ·         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.6		JAN 2S	12 /2	<u>\</u> \$/	16	MI/JY/
SIMPLEX         DUPLEX         PREQUENCIES         PREQUENCIES           60         •         •         Tx: 156.025 MHz         ·         ·           61         •         •         Tx: 156.025 MHz         ·         ·         ·           62         •         •         Tx: 156.025 MHz         ·         ·         Tx: 156.025 MHz           63         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           64         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           65         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           66         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           67         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           68         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz         ·         Tx: 156.225 MHz           70         DSC         Tx: 156.255 MHz         ·         Tx: 156.255 MHz         ·         Tx: 156.255 MHz           73         •         Tx: 156.255 MHz         ·         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.6	//	8 <sup>6</sup> / 5 <sup>61</sup> / 8	5/5/	JB1		
SIMPLEX         DUPLEX         PREQUENCIES         PREQUENCIES           60         •         •         Tx: 156.025 MHz         ·         ·           61         •         •         Tx: 156.025 MHz         ·         ·         ·           62         •         •         Tx: 156.025 MHz         ·         ·         Tx: 156.025 MHz           63         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           64         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           65         •         •         Tx: 156.025 MHz         ·         Tx: 156.025 MHz           66         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           67         •         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz           68         •         Tx: 156.025 MHz         ·         Tx: 156.225 MHz         ·         Tx: 156.225 MHz           70         DSC         Tx: 156.255 MHz         ·         Tx: 156.255 MHz         ·         Tx: 156.255 MHz           73         •         Tx: 156.255 MHz         ·         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.625 MHz         Tx: 156.6		/ */ `	`/ `/ `		//\5/\	57
60         ●         R: 160 625 MHz R: 150 075 MHz R:		SIMPLEX	DUPLEX			FREQUENCIES
01         ●         Rx: 160.675 MHz           62         ●         Rx: 160.715 MHz         C           63         ●         Rx: 160.725 MHz         C         Rx: 160.75 MHz           64         ●         Rx: 160.775 MHz         C         Rx: 160.75 MHz           64         ●         Rx: 160.775 MHz         C         Rx: 160.75 MHz           65         ●         Rx: 160.875 MHz         C         Rx: 160.255 MHz           66         ●         Rx: 160.875 MHz         C         Rx: 160.255 MHz           67         ●         Rx: 160.875 MHz         C         Rx: 160.255 MHz           67         ●         Rx: 160.875 MHz         C         Rx: 160.255 MHz           68         ●         Rx: 160.875 MHz         Rx: 160.825 MHz           69         ●         Rx: 160.875 MHz         Rx: 160.825 MHz           70         DSC         Rx: 160.825 MHz         Rx: 160.825 MHz         Rx: 160.825 MHz           71         ●         Rx: 160.875 MHz         Rx: 160.825 MHz         Rx: 160.825 MHz           73         ●         Rx: 160.875 MHz         Rx: 160.825 MHz         Rx: 160.825 MHz           74         ●         Rx: 160.875 MHz         Rx: 160.825 MHz         <	60		$\bullet$ $\bullet$	Rx: 160.625 MHz		Rx: 160.625 MHz
02         ●         Rx: 160.725 MHz           63         ●         Rx: 160.715 MHz           64         ●         Rx: 160.775 MHz           65         ●         Rx: 160.252 MHz           65         ●         Rx: 160.257 MHz           66         ●         Rx: 160.257 MHz           66         ●         Rx: 160.257 MHz           67         ●         Rx: 160.257 MHz           68         ●         Rx: 160.257 MHz           68         ●         Rx: 160.257 MHz           68         ●         Rx: 160.257 MHz           69         ●         Rx: 160.257 MHz           70         DSC         Rx: 166.257 MHz           71         ●         Rx: 166.257 MHz           72         ●         Rx: 166.257 MHz           73         ●         Rx: 166.257 MHz           74         ●         Rx: 166.257 MHz           75         Guard Band         Rx: 166.257 MHz         Rx: 166.257 MHz           74         ●         Rx: 166.257 MHz         Rx: 166.257 MHz           75         Guard Band         Rx: 166.257 MHz         Rx: 166.257 MHz           76         Guard Band         Rx: 166.257 MHz         Rx	61		• •	Rx: 160.675 MHz		Rx: 160.675 MHz
0.3         ●         ■         =         ■         =	62		$\bullet$	Tx: 156.125 MHz Rx: 160.725 MHz		Tx: 156.125 MHz Rx: 160.725 MHz
64         •         Tx: 156 225 MHz           65         •         •         Tx: 156 275 MHz           66         •         •         Tx: 156 275 MHz           66         •         •         Tx: 156 275 MHz           67         •         •         Tx: 156 275 MHz           67         •         •         Tx: 156 275 MHz           67         •         •         Tx: 156 275 MHz           68         •         Tx: 156 375 MHz         Tx: 156 325 MHz           68         •         Tx: 156 375 MHz         Tx: 156 375 MHz           69         •         Tx: 156 425 MHz         Tx: 156 425 MHz           70         DSC         Tx: 156 425 MHz         Tx: 156 525 MHz           71         •         Tx: 156 575 MHz         Tx: 156 575 MHz           73         •         •         Tx: 156 575 MHz         Tx: 156 575 MHz           73         •         •         Tx: 156 575 MHz         Tx: 156 575 MHz           74         •         Tx: 156 575 MHz         Tx: 156 575 MHz           77         •         Tx: 156 575 MHz         Tx: 156 375 MHz           78         •         Tx: 156 375 MHz         Tx: 156 375 MHz	63		• •		0	
65         ●         Tx: 156.275 MHz Rx: 106.275 MHz Rx: 106.275 MHz           66         ●         ■         Tx: 156.275 MHz Rx: 106.275 MHz           67         ●         ■         Rx: 156.275 MHz Rx: 156.325 MHz           67         ●         ■         Rx: 156.325 MHz Rx: 156.325 MHz           68         ●         Rx: 156.375 MHz Rx: 156.425 MHz         ○         Tx: 156.325 MHz Rx: 156.425 MHz           69         ●         Rx: 156.425 MHz Rx: 156.425 MHz         ○         Tx: 156.425 MHz Rx: 156.425 MHz           70         DSC         Rx: 156.425 MHz Rx: 156.525 MHz         ○         Tx: 156.425 MHz Rx: 156.625 MHz           71         ●         Rx: 156.25 MHz Rx: 156.625 MHz         ○         Tx: 156.625 MHz Rx: 156.625 MHz           73         ●         Rx: 156.625 MHz Rx: 156.625 MHz         ○         Tx: 156.625 MHz Rx: 156.625 MHz           74         ●         Rx: 156.75 MHz Rx: 156.625 MHz         ○         Tx: 156.625 MHz Rx: 156.625 MHz           74         ●         Rx: 156.75 MHz Rx: 156.625 MHz         ○         Tx: 156.75 MHz Rx: 156.625 MHz           77         ●         Rx: 156.75 MHz Rx: 156.75 MHz         ○         Rx: 156.25 MHz Rx: 156.255 MHz           78         ●         P         P          Rx: 156.875 MHz </td <td>64</td> <td></td> <td>• •</td> <td>Tx: 156.225 MHz</td> <td><math>\Box</math></td> <td>Tx: 156.225 MHz</td>	64		• •	Tx: 156.225 MHz	$\Box$	Tx: 156.225 MHz
66         ●         R::156.325 MH2           67         ●         R::156.325 MH2           67         ●         R::156.325 MH2           68         ●         R::156.325 MH2           69         ●         R::156.325 MH2           69         ●         R::156.425 MH2           70         DSC         R::156.425 MH2           71         ●         R::156.425 MH2           72         ●         R::156.425 MH2           73         ●         R::156.425 MH2           74         ●         R::156.425 MH2           75         Guard Band         R::156.75 MH2           76         Guard Band         R::156.825 MH2           77         ●         R::156.825 MH2           78         ●         R::156.825 MH2           78         ●         R::156.825 MH2           79         ●         R::156.825 MH2           79         ●         R::16.827 MH2           81         ●         R::161.827 MH2           82         ●         R::161.827 MH2           83         ●         R::161.827 MH2           84         ●         R::161.825 MH2           R::168.825 MH2	65			Tx: 156.275 MHz		Tx: 156.275 MHz
67       •       •       Tx: 156.375 MHz       Tx: 156.375 MHz         68       •       Tx: 156.375 MHz       Tx: 156.375 MHz         69       •       Tx: 156.425 MHz       Tx: 156.375 MHz         69       •       Tx: 156.425 MHz       Tx: 156.375 MHz         70       DSC       Tx: 156.525 MHz       Tx: 156.525 MHz         71       •       Tx: 156.525 MHz       Tx: 156.525 MHz         71       •       Tx: 156.525 MHz       Tx: 156.525 MHz         72       •       Tx: 156.625 MHz       Tx: 156.625 MHz         73       •       •       Tx: 156.625 MHz       Tx: 156.625 MHz         73       •       •       Tx: 156.625 MHz       Tx: 156.625 MHz         74       •       Tx: 156.625 MHz       Tx: 156.625 MHz       Tx: 156.625 MHz         74       •       Tx: 156.625 MHz       Tx: 156.625 MHz       Tx: 156.625 MHz         76       Guard Band       Tx: 156.75 MHz       Tx: 156.825 MHz       Tx: 156.825 MHz         77       •       Tx: 156.825 MHz       Tx: 156.825 MHz       Tx: 156.825 MHz         77       •       Tx: 156.875 MHz       Tx: 156.825 MHz       Tx: 156.825 MHz         77       •       Tx: 156.875 MHz				Tx: 156.325 MHz	Ō	Tx: 156.325 MHz
68         0         17: 156:425 MHz Rx: 157:425 MHz				Tx: 156.375 MHz	<b>N</b>	Tx: 156.375 MHz
69         0         1%: 156:475 MHz Rx: 156:475 MHz Rx: 156:475 MHz Rx: 156:475 MHz Rx: 156:625 MHz Rx: 157:75 MH				Tx: 156.425 MHz		Tx: 156.425 MHz
TO         DSC         Tx: 156.255 MHz         Tx: 156.255 MHz           71         Image: Tx: 156.255 MHz         Tx: 156.255 MHz         Tx: 156.255 MHz           72         Image: Tx: 156.255 MHz         Tx: 156.255 MHz         Tx: 156.255 MHz           73         Image: Tx: 156.255 MHz         Tx: 156.255 MHz         Tx: 156.255 MHz           73         Image: Tx: 156.755 MHz         Tx: 156.255 MHz         Tx: 156.255 MHz           74         Image: Tx: 156.755 MHz         Tx: 156.755 MHz         Tx: 156.755 MHz           74         Image: Tx: 156.755 MHz         Tx: 156.755 MHz         Tx: 156.755 MHz           74         Image: Tx: 156.755 MHz         Tx: 156.755 MHz         Tx: 156.755 MHz           74         Image: Tx: 156.755 MHz         Tx: 156.755 MHz         Tx: 156.755 MHz           75         Guard Band         Tx: 156.755 MHz         Tx: 156.755 MHz         Tx: 156.875 MHz           77         Image: Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz           78         Image: Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz           79         Image: Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz         Tx: 156.875 MHz           79         Image: Tx: 157.87					K	
10         DSC         Rx: 156.25 MHz         Rx: 156.525 MHz           71         Image: Construct of the system					H	Rx: 156.475 MHz Tx: 156.525 MHz
71       •       Rx: 156, 275 MHz       V       Rx: 156, 625 MHz         72       •		DSC		Rx: 156.525 MHz Tx: 156.575 MHz	$ \Theta $	Rx: 156.525 MHz
12       Image: Constraint of the constraint		•		Rx: 156.575 MHz		Rx: 156.575 MHz
73       •       •       Rx: 156: 675 MHz       ·       ·       Rx: 156: 75 MHz         74       •				Rx: 156.625 MHz		Rx: 156.625 MHz
74       •       Rx 156 725 MHz       Rx 156 725 MHz         75       Guard Band       Tx 156 725 MHz       Tx 156 725 MHz         76       Guard Band       Rx 156 775 MHz       Tx 156 825 MHz         77       •       Rx 156 825 MHz       Rx 156 825 MHz         777       •       Rx 156 825 MHz       Rx 156 825 MHz         78       •       •       Rx 161 525 MHz         79       •       Rx 161 525 MHz       Rx 156 825 MHz         79       •       Rx 161 525 MHz       Rx 156 825 MHz         80       •       Tx 156 825 MHz       Rx 156 825 MHz         81       •       •       Rx 161 525 MHz       Rx 156 825 MHz         82       •       •       Tx 157 075 MHz       Rx 157 075 MHz         83       •       •       Tx 157 075 MHz       Rx 157 075 MHz         84       •       •       Tx 157 175 MHz       Rx 151 175 MHz         85       •       •       Tx 157 175 MHz       Rx 151 175 MHz         86       •       •       Tx 157 175 MHz       Rx 157 175 MHz         87       •       •       •       Tx 157 175 MHz       Rx 157 175 MHz         83       •       •       <	73			Rx: 156.675 MHz		Rx: 156.675 MHz
75       Guard Band       Rx 156 775 MHz       Rx 156 75 MHz         76       Guard Band       Tx 156 825 MHz       Tx 156 825 MHz         77 <ul> <li>Rx 156 825 MHz</li> <li>Tx 156 825 MHz</li> <li>Rx 157 025 MHz</li> <li>Rx 151 025 MHz</li></ul>	74			Rx: 156.725 MHz	O	Rx: 156.725 MHz
70       Guard Band       Rx 156.825 MHz       Rx 156.825 MHz         77       Image: Constraint of the system of the s	75	Guard Ban	d	Rx: 156 775 MHz		Rx: 156 775 MHz
77       Image: Constraint of the system of th	76	Guard Ban	d	Tx: 156.825 MHz Rx: 156.825 MHz		
78       Image: Constraint of the system of th	77				0	Tx: 156.875 MHz
79       Image: Constraint of the system of th	78		• •	Tx: 156.925 MHz		Tx: 156.925 MHz
No.         No. 1032 MHz Rx: 167.025 MHz Rx: 161.025 MHz Rx: 161.025 MHz Rx: 161.025 MHz Rx: 167.025 MHz Rx: 167.025 MHz Rx: 167.025 MHz Rx: 167.025 MHz Rx: 157.025 MHz	79			Tx: 156.975 MHz	$\overline{\mathbf{O}}$	Tx: 156.975 MHz
81         Image: Constraint of the second seco				Tx: 157.025 MHz	ň	Tx: 157.025 MHz
82         Image: Constraint of the second seco				Tx: 157.075 MHz	10	Tx: 157.075 MHz
83       Tx: 157.175 MHz Rx: 161.775 MHz Rx: 161.775 MHz       Tx: 157.175 MHz Rx: 157.275 MHz         84       Tx: 157.275 MHz Rx: 157.275 MHz       Tx: 157.275 MHz Rx: 157.275 MHz         85       Tx: 157.275 MHz Rx: 161.875 MHz       Tx: 157.275 MHz Rx: 161.875 MHz         86       Tx: 157.375 MHz Rx: 161.925 MHz       Rx: 161.925 MHz Rx: 161.925 MHz         87       Rx: 161.925 MHz Rx: 161.925 MHz       Rx: 161.925 MHz Rx: 161.925 MHz         88       Tx: 157.375 MHz Rx: 161.925 MHz       Rx: 151.925 MHz Rx: 161.925 MHz         9       Rx: 161.925 MHz Rx: 161.925 MHz       Rx: 151.925 MHz Rx: 161.925 MHz         9       Rx: 161.925 MHz Rx: 161.925 MHz       Rx: 151.925 MHz Rx: 157.425 MHz         9       Rx: 161.925 MHz       Rx: 151.925 MHz         9       Rx: 162.025 MHz       Rx: 151.925 MHz         9       Rx: 162.025 MHz       Rx: 157.425 MHz         9       Rx: 162.025 MHz       Rx: 157.425 MHz         9       Rx: 162.025 MHz       Rx: 157.425 MHz         9       Rx: 161.975 MHz       Rx: 157.425 MHz				Tx: 157.125 MHz	КТ	Tx: 157.125 MHz
03         Constraint         Rx: 161.775 MHz         Constraint         Rx: 157.225 MHz           84         Image: Constraint of the state of t	-			Tx: 157.175 MHz	КН	Tx: 157.175 MHz
04         •         Rx: 161:825 MHz           85         •         Tx: 157:275 MHz           86         •         Tx: 157:275 MHz           87         •         Rx: 161:825 MHz           88         •         •           P         •         Rx: 167:275 MHz           P         •         •           P         •         •		+		Rx: 161.775 MHz	M	Rx: 157.175 MHz
85         Ex: 161.875 MHz         Tx: 157.325 MHz           86         Tx: 157.325 MHz         Tx: 157.325 MHz           87         Rx: 161.925 MHz         Rx: 161.925 MHz           88         Tx: 157.375 MHz         Rx: 161.975 MHz           P         Rx: 162.025 MHz         Rx: 157.425 MHz           P         Image: 100 million of the second secon				Rx: 161.825 MHz	HX	Rx: 161.825 MHz
86     •     Rx: 161:925 MHz     Tx: 157:375 MHz       87     •     Rx: 161:975 MHz     Tx: 157:375 MHz       88     •     •     Tx: 157:425 MHz       P     -     -     Rx: 161:975 MHz       P     -     -     -       P     -     -     -       P     -     -     -       P     -     -     -				Rx: 161.875 MHz	HX	Rx: 161.875 MHz
O7         P         Rx: 161:975 MHz         Rx: 161:975 MHz           88         Image: Constraint of the state of				Rx: 161.925 MHz	HQ	Rx: 161.925 MHz
88     • </td <td>87</td> <td></td> <td></td> <td>Rx: 161.975 MHz</td> <td></td> <td>Rx: 161.975 MHz</td>	87			Rx: 161.975 MHz		Rx: 161.975 MHz
P						
P	Р					
	Р					
P	Р					
	Р					

# QUICK SELECT CHART

Distress and Call Channel	16
Channel Selection	1 3
US-mode (Channel Required in the USA)	SHIFT U.S.
Reduced Power	SHIFT
Dual Watch	SHIFT D.W.
Start Scanning	SHIFT
Add a Channel to Scanning Programme	2 3 SHIFT
Delete a Channel from Scanning Programme	2 3 SHIFT
Set of "Scan Time" to 10 Seconds	SHIFT SCAN TIME 1 0 SHIFT





SAILOR <sup>®</sup> • Porsvej 2 • PO Box 7071 • DK-9200 Aalborg SV • Denmark Phone: +45 9634 6100 • Fax: +45 9634 6101 • Telex: 69789 ECI DK E-mail: sailor@sailor.dk • Web: www.sailor.dk