

## SAILOR RT2048 VHF

Compact VHF Simplex / Semiduplex Radiotelephone



**The SAILOR RT2048 VHF is a true workhorse, which has for many years been the preferred choice for seamen all over the world. Its compact metal cabinet houses transmitter, receiver and a 6 W loudspeaker with clear and powerful sound. The robust push buttons are night illuminated and the large LED channel display allows easy read-out under all conditions. As a result the RT2048 VHF is as easy to use as it is sturdy.**

### Main Benefits

- Very rugged construction for maritime use
- The professional mariner's preferred VHF for many years
- Dual watch
- Supports all 54 international VHF channels
- Up to 40 private channels
- Full scanning facilities
- Powerful 6 W loudspeaker
- Compact and easy to install

### Full Description

#### Programming Features:

- Incorporates all international maritime VHF channels and the channels required in USA – weather channels etc.
- The simplex channels 75 and 76 with reduced output, when these are released by the authorities.
- One or more of the channels can be blocked either totally or the transmitter only.
- Automatic reduction to 1 W can be programmed on one or more of the channels.
- Can be programmed with up to 40 private channels.
- Blocking information to AUX-receiver can be programmed on one or more of the channels.
- Operates with a continuous output power of 25W on all channels
- Prepared for ATIS.



### Scanning

Choose between scanning facilities or additional 30 private channels. With scanning facilities selected, the operator can easily programme the wanted channels into the scanning sequence. The scanning programme can be revised during operation. Even during scanning your preference channel, normally channel 16, has full priority.

### Dual Watch

Enables the operator to listen out on two channels simultaneously – the selected channel and your preference channel, normally channel 16 has full priority.

### Continuous Control

Continuous turn-style operation of SQUELCH and AF levels ensures optimum resolution.

### Finger-Guide

The front panel has a real push button keyboard with an attractive solid feel and a safe finger-guide in the metal front. It's a reliable, totally sealed construction with night-time illumination.

### Display

The efficient LED-display enables makes it possible to read channel number and other indications under all conditions. On switch-on, all settings prior to last switch-off will be redisplayed.

### Multipurpose Mounting Bracket H2077

As standard the SAILOR RT2048 VHF is delivered with multipurpose mounting bracket H2077.

### Accessories

SAILOR N420, 24/12V DC converter (to supply the RT2048 from 24V DC)  
SAILOR N163, Power Supply, 110/220V AC to 24V DC, 7A

## Technical Specifications

Fulfils international CEPT regulations, MPT, FCC, FTZ and KSR, as well as other national requirements.

### GENERAL

All international maritime VHF channels.

|  |                                |
|--|--------------------------------|
| Private channels   | 10, may be extended to 40      |
| Operation  | Simplex and semi-duplex        |
| Modulation   | G3EJN (Phase)                  |
| Antenna impedance  | 50 Ω                           |
| Frequency stability  | ± 10 ppm (Spec. vers. ± 5 ppm) |
| Temperature range  | -20°C to +55°C                 |
| Nominal power supply   | 13.2V DC                       |
| Power supply variation<br>(with data according to international standards) | 12V DC – 10% to +30%           |
| Current consumption  | Stand-by = 0.1A<br>Tx = 5A     |

### RECEIVER

|                         |   |
|-------------------------|---|
| Frequency range simplex | 154.40 – 159.15 MHz   |
| Frequency range         | Semi-duplex: 159.00 – 163.75 MHz  |
| Sensitivity             | 0.25 µV PD at 12 dB SINAD   |
| AF output power         | 6 W   |
| Telephone output        | 0.5V RMS/200 Ω  |
| Distortion              | Less than 5%  |
| Scanning facilities     | Flexible scanning programme, with possibility for all international channels and 10 private channels. |

### TRANSMITTER

|                         |                     |
|-------------------------|---------------------|
| Frequency range normal  | 154.40 – 159.15 MHz |
| Frequency range special | 159.00 – 163.75 MHz |
| RF output power         | 25 W +0 to -0.5 dB  |
| Reduced RF output       | 0.5 to 1 W          |
| Distortion              | Less than 5%        |

### DIMENSIONS AND WEIGHT

|                          |
|--------------------------|
| Height: 98 mm (3.9")     |
| Width: 225 mm (8.9")     |
| Depth: 160 mm (6.3")     |
| Weight: 3.1 kg (6.8 lbs) |