

Sailor 66 S/M



Dimensions:
 Height . . . 220 mm
 Width . . . 380 mm
 Depth . . . 160 mm
 Weight . . . 12 kg

SAILOR 66 S/M

is a completely transistorised V.H.F. Simplex/Duplex Radio Telephone, using Silicon transistors throughout, giving high temperature stability and reliable operation. By using transistors throughout, no warm-up period is required, the equipment being ready for use at the instant of switching on. This also eliminates the necessity for bulky power units and Rotary Converters which would otherwise be taking up valuable space. The equipment may be connected direct to the ships main power circuit of 12 or 24 volts D.C.

SAILOR 66 S/M has automatic monitoring on Channel 16, the International frequency for V.H.F. Calling and Listening, which is automatically selected by replacing the Telephone handset into its rest, no matter what frequency the Channel Selector may be switched to.

Low Power Consumption.

Due to the all transistor design the equipment draws very little current from the ships mains. When Receiving the current drain is less than 1 Amp: rising to approx: 2.5 Amps on Transmit.

Practical Design.

The SAILOR 66 S/M is extremely compact, therefore the minimum of space is required, a very important consideration on smaller vessels. All control knobs are situated on the front panel and are designed to be

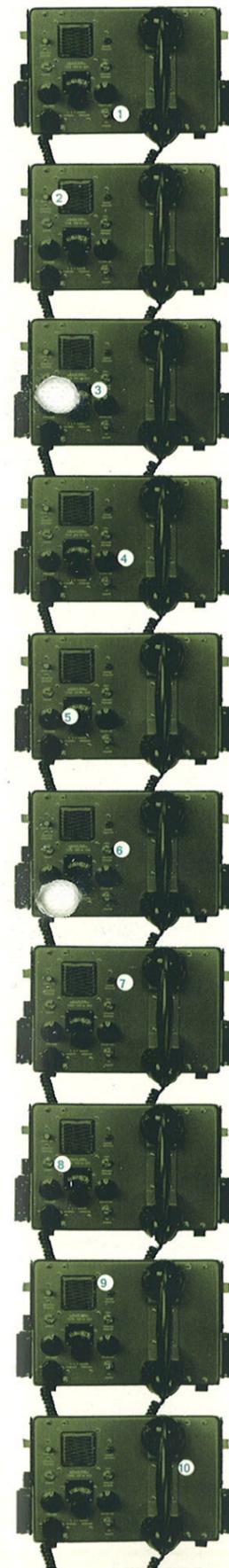
operated under the most arduous conditions with ease. Provision is made for the connection of an external loudspeaker if required. Calls may then be heard from both the internal loudspeaker and the external loudspeaker at some remote position.

Specification.

The SAILOR 66 S/M has an internally illuminated Channel Selector Dial with a switch for dimming, giving adequate illumination during daylight, without affecting vision during the hours of darkness. A Power Reduction Switch is fitted, enabling the operator to reduce the output power of the transmitter to .5 Watts, which is the Internationally agreed level for local working. A warning light is switched on in the "Reduced Power" position warning the operator that for long range calls he must re-set to High Power. The sensitive Receiver the SAILOR 66 S/M is provided with a variable Squelch control, which may be set to the threshold level required, to reject weak signals appearing at the input to the receiver and background noise. When signals above this level are received they will be heard through the loudspeaker in the usual way. This low level of unwanted background noise can be annoying when concentrating on navigation. Both the Volume and Squelch control knobs are numerically calibrated to enable re-setting to the required levels.

Technical details of SAILOR 66 S/M

General:	Transmitter:	Audio Output:	1.5 Watts
Channel Spacing: 50 KHZ.	Output Power: 12 Watts (Reduced to .5 Watts on Low Power)	Power Supply:	12. or 24. Volts. D.C. or 220 Volts A.C.
Modulation: Phase Modulation	Output Impedance: 50 Ohms	Power Consumption: Receiving	Approx: .8 Amps.
No of Channels: 14 (9 Simplex, 5 duplex)	Deviation: ± 15 KHZ	Transmit.	Aprox: 2.5 Amps.
Operation: Simplex/duplex	Receiver:		
Temperature Range: ± 10 to + 40° C	Sensitivity: .5 µV (E.I.A.)		



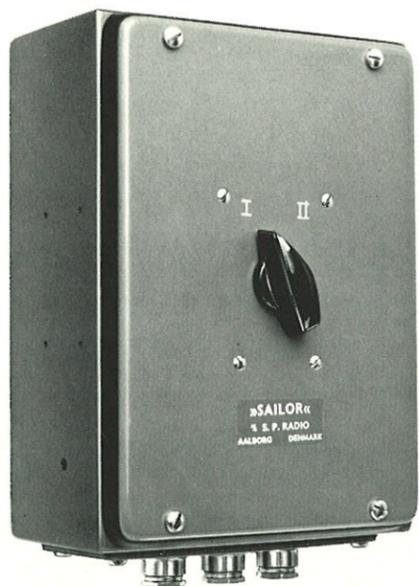
- 1 **CONTROLS:**
POWER SWITCH. In position "ON" indicates that equipment is ready for immediate use without any warming up period.
- 2 PUSH BUTTON SWITCH. Overrides the automatic monitoring of Channel 16, and selects whichever Channel is displayed on the Channel Selector Dial.
- 3 CHANNEL SELECTOR. Selects the required Channel. (On placing handset in rest, Channel 16 will automatically be selected and held until the Push Button Switch is depressed.)
- 4 SQUELCH CONTROL. Is a variable adjustment set to prevent the reception of random noise and weak signals, below the required level.
- 5 VOLUME CONTROL. Enables continuous adjustment to the level of sound from the loudspeaker.
- 6 POWER OUTPUT CONTROL. In the "reduced power" position, reduces the power output of the transmitter to .5 Watts for local working over short distances, without causing interference to other stations working within the range of the full power output of the transmitter.
- 7 WARNING LAMP. Gives a warning when the power output is in the "Reduced Power" position.
- 8 LIGHT CONTROL SWITCH. Reduces the intensity of the Channel Selector Dial light and the Button Switch, when the wheelhouse is in darkness.
- 9 LOUDSPEAKER. Is automatically cut off during transmission.
- 10 TELEPHONE HANDSET. With pressel switch in the handle, which changes the equipment from Receive to Transmit when depressed. When the telephone handset is placed in its holder a microswitch is depressed, overriding the Channel Selector switch to give automatic listening on Channel 16.



Dimensions of remote control unit type sailor 66 E.A.

Height 230 mm
 Width 170 mm
 Depth 110 mm
 Weight 4 kg

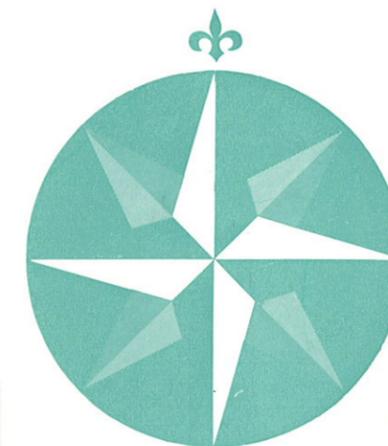
The SAILOR 66 S/M is also available with a Remote Control Unit Type 66. E. A. which may be used in cases where insufficient room is available in the radio room or wheelhouse for a locally controlled station. The Remote Control Unit is connected to the main station by a multi-core cable up to a distance of 40 metres (120 ft.)



If 2 Remote Control Units Type 66. E. A. are required to be fitted to the SAILOR 66. S/M a Switch Box Type SAILOR 66. E B is available for this purpose.



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VHF TELEPHONY STATION

A/S S. P. RADIO



9000 AALBORG