

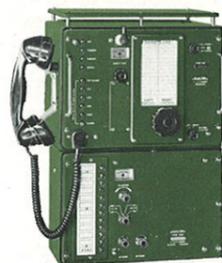
**Sailor**

SSB-transmitters and SSB receivers can be combined with each other according to your desire.

SSB-transmitter SAILOR type T128, 220 Watt PEP output in the aerial, 31 channels DSB/SSB. Built-in two-tone-alarm. 12/24 Volt DC or 110/220 Volt AC power supply.

SSB-transmitter SAILOR type T126, 400 Watt PEP output in the aerial. 16 channels DSB/SSB. Built-in two-tone-alarm. 24 Volt DC or 110/220 Volt AC power supply. Dimensions (transmitter T126 assembled with one of the receivers R103 -R106): Height: 585 mm, Width: 495 mm, Depth: 325 mm.

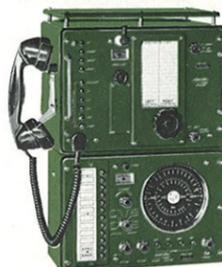
Transmitter T128  
Receiver R103  
Loudspeaker in cabinet  
Height: 525 mm  
Width: 345 mm  
Depth: 295 mm



Transmitter T126  
Receiver R103  
Loudspeaker in cabinet



Transmitter T128  
Receiver R104  
Loudspeaker in cabinet  
Height: 525 mm  
Width: 345 mm  
Depth: 295 mm



Transmitter T126  
Receiver R104  
Loudspeaker in cabinet



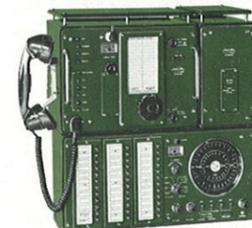
Transmitter T128  
Receiver R105  
Height: 525 mm  
Width: 495 mm  
Depth: 295 mm



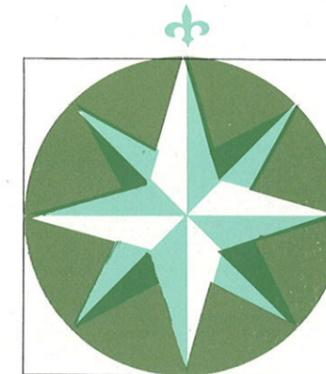
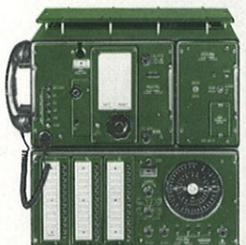
Transmitter T126  
Receiver R105



Transmitter T128  
Receiver R106  
Height: 525 mm  
Width: 495 mm  
Depth: 295 mm



Transmitter T126  
Receiver R106



**Sailor SSB**

**MARINE RADIO RECEIVERS**  
for communication and navigation



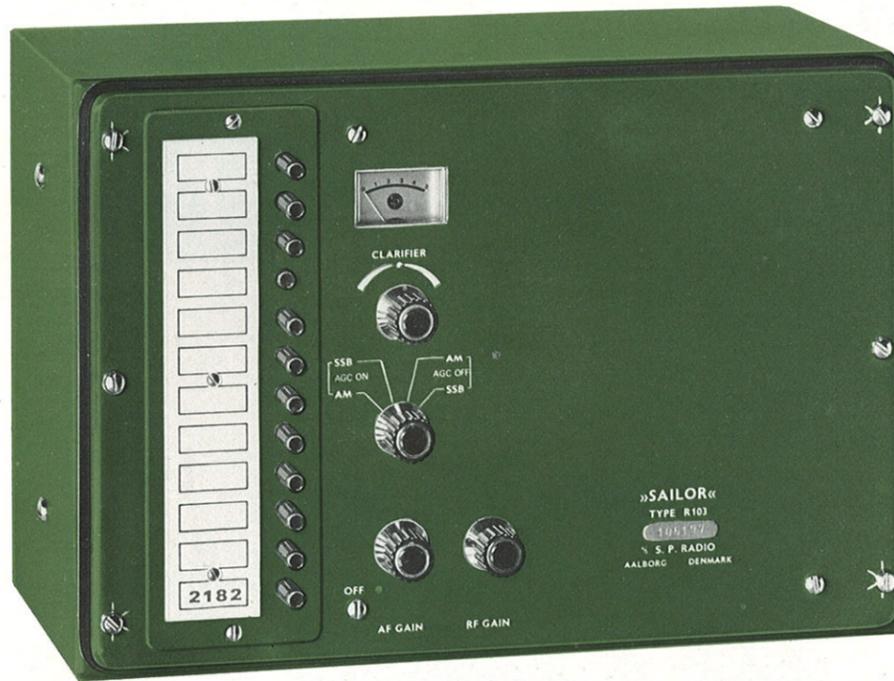
S. P. RADIO A/S · 9200 AALBORG SV · DENMARK · TLF. (08) 18 09 99



**S. P. RADIO A/S · 9200 AALBORG SV**

# Sailor module system

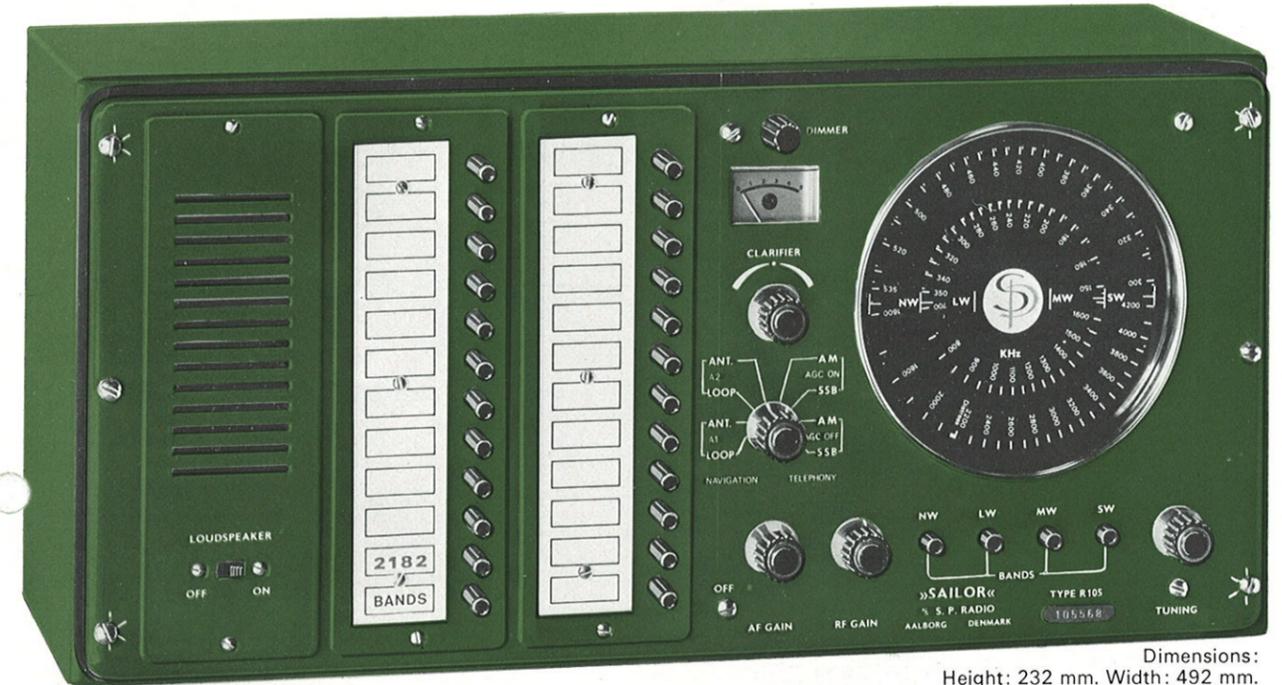
The SAILOR SSB receivers are built-up of modules, which facilitates service operations.



Dimensions:  
Height: 232 mm. Width: 342 mm.  
Depth: 220 mm.  
Weight: 9 kg

## R 103

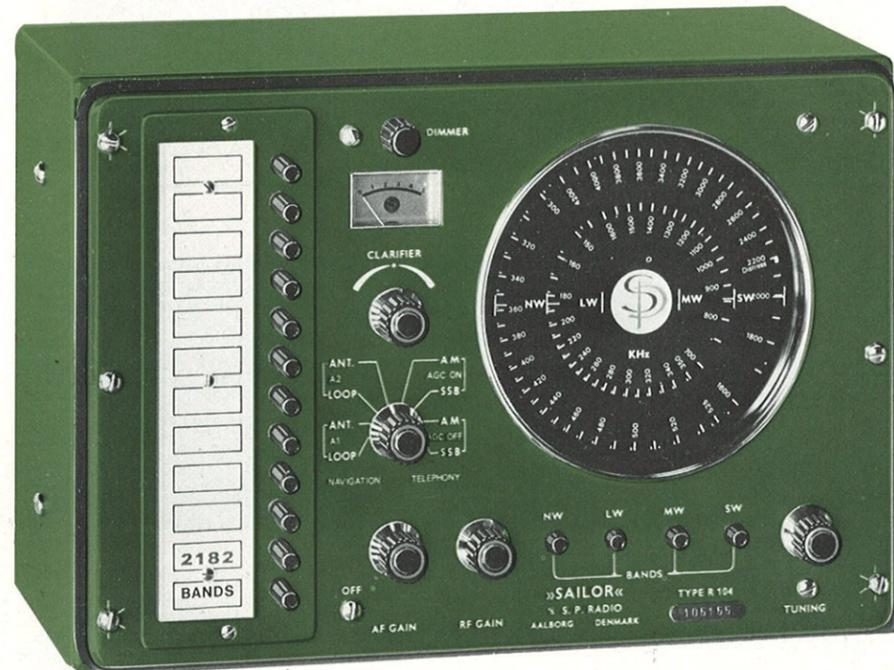
12 crystal controlled frequencies, which can be used on AM or SSB.



Dimensions:  
Height: 232 mm. Width: 492 mm.  
Depth: 220 mm.  
Weight: 14 kg

## R 105

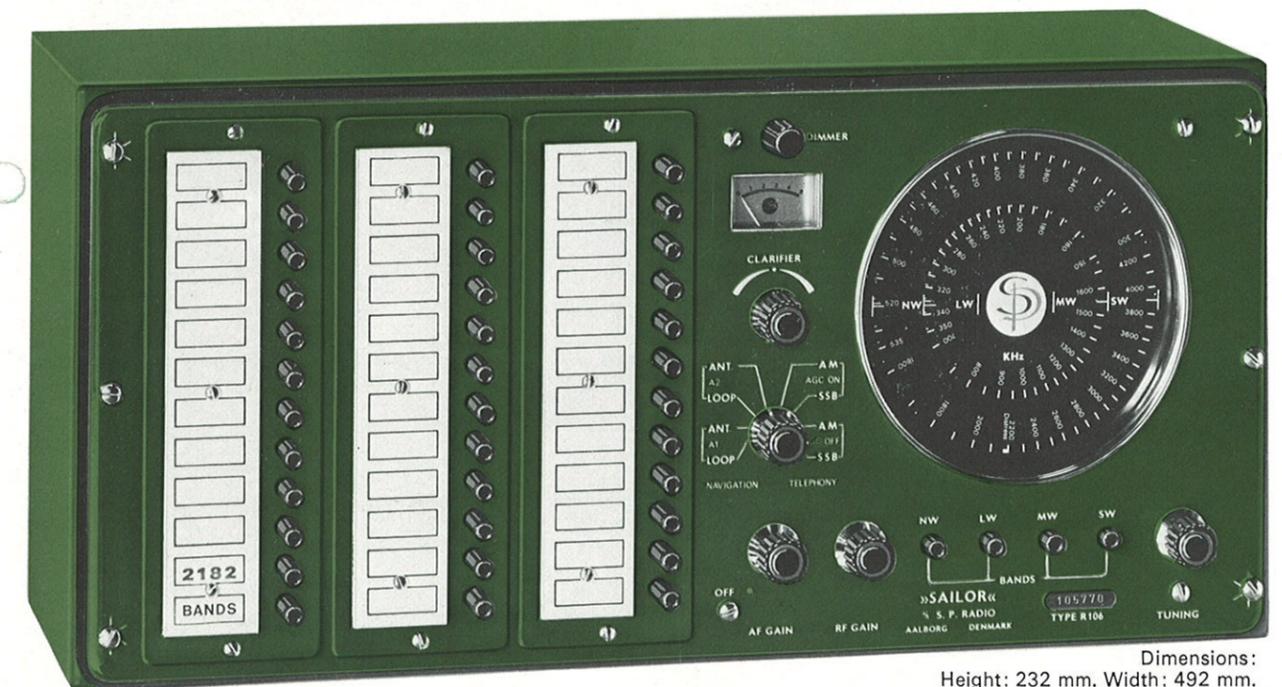
23 crystal controlled frequencies, which can be used on AM or SSB. Built-in AM-receiver. Built-in loudspeaker. Direction Finding on all bands.



Dimensions:  
Height: 232 mm. Width: 342 mm.  
Depth: 220 mm.  
Weight: 10 kg

## R 104

11 crystal controlled frequencies, which can be used on AM or SSB. Built-in AM-receiver. Direction Finding on all bands.



Dimensions:  
Height: 232 mm. Width: 492 mm.  
Depth: 220 mm.  
Weight: 15 kg

## R 106

35 crystal controlled frequencies, which can be used on AM or SSB. Built-in AM-receiver. Direction Finding on all bands.

# Technical Data:

## PRESS-BUTTON-CHANNELS:

## FREQUENCY RANGE:

..... 1,6-4,5 MHz

## FREQUENCY STABILITY:

Short time stability .....  $\pm$  20 Hz  
 Long time stability .....  $\pm$  100 Hz

## SELECTIVITY:

	SSB	AM
6 dB band width.....	> 2,4 kHz	> 6 kHz
60 dB band width.....	< 4 kHz	< 20 kHz

## SENSITIVITY:

	SSB	AM
S/N = 10 dB .....	better than: 1,5 $\mu$ V	4,5 $\mu$ V
IF-attenuation.....	> 90 dB	
Image-attenuation.....	> 80 dB at abt. 2,5 MHz	
Audio output.....	max. 5 W	

## TUNABLE AM-RECEIVER:

(only R104,R105, R106)

## SENSITIVITY:

For all ranges better than ..... 5  $\mu$ V

## FREQUENCY RANGES:

LW: 150- 290 kHz  
 NW: 280- 600 kHz  
 MW: 600-1650 kHz  
 SW: 1600-4500 kHz

Direction Finding on all ranges.  
 Audio output 5 W.

## POWER SUPPLY:

The receivers are available with one of the following power supplies:  
 12/24 Volt DC  
 110/220 Volt AC



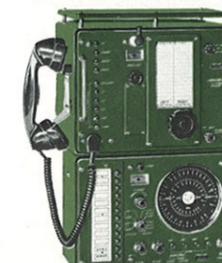
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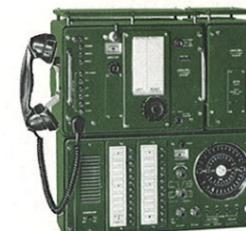
Transmitter T128  
 Receiver R103  
 Loudspeaker in cabinet  
 Height: 525 mm  
 Width: 345 mm  
 Depth: 295 mm



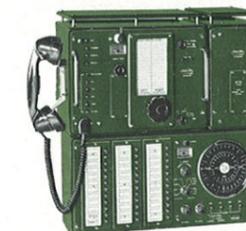
Transmitter T128  
 Receiver R104  
 Loudspeaker in cabinet  
 Height: 525 mm  
 Width: 345 mm  
 Depth: 295 mm



Transmitter T128  
 Receiver R105  
 Height: 525 mm  
 Width: 495 mm  
 Depth: 295 mm



Transmitter T128  
 Receiver R106  
 Height: 525 mm  
 Width: 495 mm  
 Depth: 295 mm

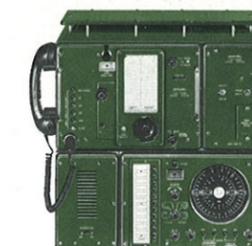


SSB-transmitter SAILOR type T126, 400 Watt PEP output in the aerial. 16 channels DSB/SSB. Built-in two-tone-alarm. 24 Volt DC or 110/220 Volt AC power supply. Dimensions (transmitter T126 assembled with one of the receivers R103-R106): Height: 585 mm, Width: 495 mm, Depth: 325 mm.

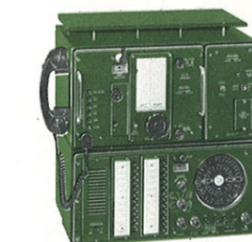
Transmitter T126  
 Receiver R103  
 Loudspeaker in cabinet



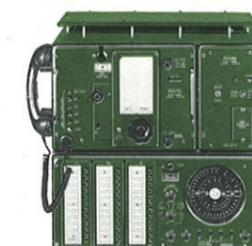
Transmitter T126  
 Receiver R104  
 Loudspeaker in cabinet



Transmitter T126  
 Receiver R105



Transmitter T126  
 Receiver R106



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The SAILOR SSB receivers are built-up of modules, which facilitates service operations.



Dimensions:  
Height: 232 mm. Width: 492 mm.  
Depth: 220 mm.  
Weight: 14 kg

## R 105

23 crystal controlled frequencies, which can be used on AM or SSB. Built-in AM-receiver. Built-in loudspeaker. Direction Finding on all bands.



Dimensions:  
Height: 232 mm. Width: 492 mm.  
Depth: 220 mm.  
Weight: 15 kg

## R 106

35 crystal controlled frequencies, which can be used on AM or SSB. Built-in AM-receiver. Direction Finding on all bands.

## CONTROLS:



1

**AF-GAIN**  
with main switch. Controls the audio output.



2

**RF-GAIN**  
Regulates the amplification of RF-stage and IF-amplifier.



3

**CLARIFIER**  
Corrects for small frequency-errors in SSB-signals. To be set for clearest reception of SSB-signals.



4

**FUNCTION SWITCH**  
This switch is divided up in a TELEPHONY section and a NAVIGATION section, each with four positions. In the telephony section is switched between SSB reception and AM reception without AGC and SSB reception and AM reception with AGC. In the navigation section is switched between A<sub>1</sub> and A<sub>2</sub> reception partially via the normal receiver aerial for search for stations and partially via the DF-equipment.



5

**METER AND DIMMER**  
The meter is showing the field strength of the received signal and the dimmer is for regulation of dial light.



6

**BANDS**  
When the button is pressed, the built-in tunable receiver is put into operation. If one of the other buttons in the line (or lines) is pressed, the fixed frequency in question will automatically be switched in. Not applicable to R 103.



7

**STATION INDICATOR (TUNING)**  
The dial calibrated in kHz.



8

**LINE OF PRESS BUTTONS FOR BANDS**, tunable receiver:  
Reception on aerial or DF-equipment  
MW: 600–1650 kHz      LW: 150–290 kHz  
SW: 1600–4500 kHz      NW: 280–600 kHz  
Not applicable to R 103.



9

**LOUDSPEAKER ON/OFF**  
for built-in loudspeaker. Only on receivers with built-in loudspeaker (R 105).