Tron TR30

GMDSS and Maritime VHF Radio

- The only floating GMDSS VHF radio
- Full duplex channels
- Support the latest regulations for 4 digits display channel view
- Exceptional sound quality and noise cancelling microphone
- User friendly design and a wide range of accessories

JOTRON
Performance for Life

Tron TR30 GMDSS and Maritime VHF Radio

The only approved floating GMDSS radio on the market

- Intuitive and user friendly design
- Full duplex channels accessed with rechargeable battery
- Preset emergency mode when connected to primary battery
- Excellent microphone noise cancelling
- Excellent sound quality under all conditions
- Waterproof accessories

The Tron TR30 GMDSS and Maritime VHF Radio (part no. 87950) is an innovative radio that provides users with access to both standard GMDSS simplex channels and full maritime duplex channels. Additionally, the floating Tron TR30 GMDSS and Maritime VHF Radio can be connected to an IP67-rated speaker microphone or a headset with a PTT module. The small, compact two-position charger is easy to install and allows the user to view vital information on the display while the radio is charging.

The ultimate functional design

Every detail of this radio has been developed with user functionality in mind, both for emergency situations (using the emergency battery) and for general onboard communications (using the rechargeable battery). Programming your own VHF channels for private use is simple. When the emergency battery is connected, the radio automatically switches to a preset emergency mode, where only essential emergency features are accessible. This minimizes the time needed for critical adjustments, ensuring ease of use in urgent situations.

Technical specifications

(Charger, emergency- and rechargeable battery)

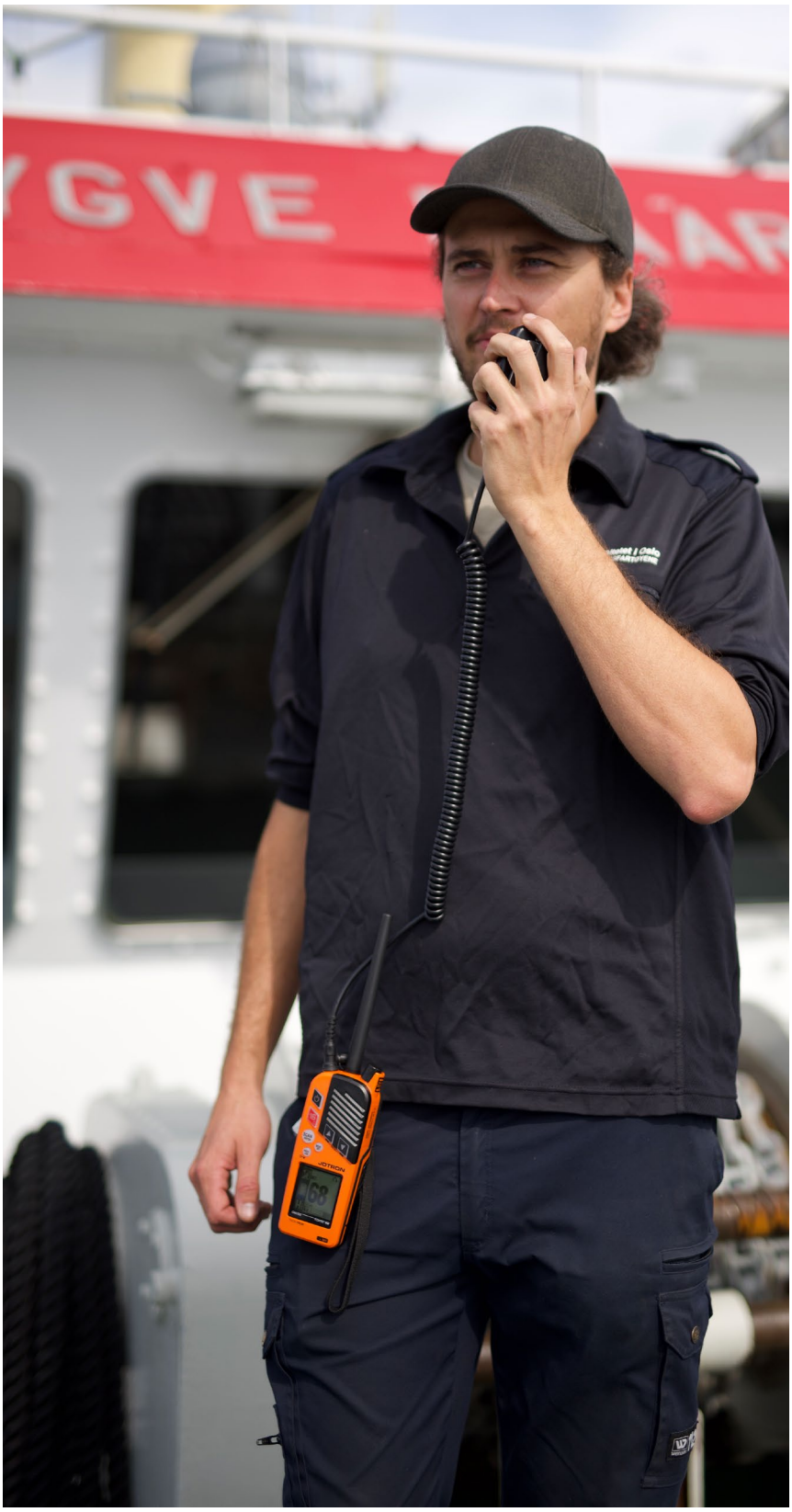
CARGER	
Operating power source	12-24 DC or 15/20 VAC from a 115-240 VAC
Mounting	Wall and table mountable
Dimensions	W: 92 mm, H: 68 mm, D: 115 mm
EMERGENCY BATTERY	
Chemical system	Lithium/Iron Disulfide (Li/FeS2)
Voltage	6 V
Capacity	2900 mAh
RECHARGEABLE BATTERY	
Chemical system	Lithium Polymer Battery
Voltage	7.4 V Nom
Capacity	1550 mAh

A “two-in-one” radio

The Tron TR30 GMDSS and Maritime VHF Radio automatically switches between standard simplex and duplex maritime channels and 21 emergency simplex channels, depending on whether the rechargeable or sealed lithium battery is connected. This unique and innovative feature makes the Tron TR30 GMDSS a “two-in-one” radio.

Contents:

- Tron TR30 GMDSS and Maritime VHF Radio
- Emergency battery
- Rechargeable battery
- Wrist strap
- Power supply
- Charger
- User manual



Accessories

Tron TR30 Speaker microphone
(Part no. 81341)

Tron TR30 Headset push to talk module
(Part no. 19601)

Basic headset with headband MT7H79
(Part no. 103000)

Tron TR30 Carry case
(Part no. 89449)

GMDSS and Maritime VHF Radio

Technical specifications

PARAMETER	EMERGENCY BATTERY (NON RECHARGEABLE)	RECHARGEABLE BATTERY
Frequency range	TX: 154-RX 161.875 MHz	TX: 154-RX:161.875 MHz
Channel spacing	25 KHz	25 KHz
Temperature operating range	-20 to +55°C	-20 to +55°C
Battery operating time	12 h (10-10-80)	Typical 12 h (5-5-90) medium power
Dimensions	W: 61 mm, H: 157 mm, D: 40 mm With belt clip D: 47 mm	W: 61 mm, H: 157 mm, D: 40 mm With belt clip D: 47 mm
Full buoyancy	Yes	Yes
Weight	300 g approximately	295 g approximately
RECEIVER		
Maximum usable sensitivity	< 1 µV for 20 dB SINAD	< 1 µV for 20 dB SINAD
Adjacent channel rejection	> 70 dB	> 70 dB
Blocking	> 90 dB	> 90 dB
Spurious response	> 70 dB	> 70 dB
Harmonic distortion	< 5%	< 5%
Intermodulation rejection	> 68 dB	> 68 dB
Channel monitoring	DW	DW/TW/Scan
TRANSMITTER		
Transmitter output power (fully charged battery)	Low: 1 W, high: 2 W	Low: 1 W, medium: 2 W (default), high 4 W
Harmonics and spurious	< 0.25 µW	< 0.25 µW
Frequency error	< +1.5 kHz	< +1.5 kHz
Adjacent channel power	< -70 dBc	< -70 dBc
APPROVED STANDARDS		
EMC/environmental	IEC 60945/301843-2	IEC 60945/301843-2
VHF	IEC 61097-12/EN300225	ETS301178

Approved: