

# Tron TR30

GMDSS and Maritime VHF Radio



- Only floating GMDSS VHF radio
- Full duplex channels
- Exceptional sound quality including noise cancelling microphone
- User friendly design
- Wide range of accessories

# Tron TR30

## The only approved floating GMDSS radio in 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

Tron TR30 GMDSS and Maritime VHF Radio is an innovated radio, which gives the user the opportunity to access both standard GMDSS simplex channels and full maritime duplex channels. In addition, the floating Tron TR30 GMDSS and Maritime VHF Radio can be connected to an IP67 speaker microphone or a headset with a PTT-module.

The small and compact two-positioning charger is easy to install and allows the user to access vital information on the display while charging.

Tron TR30 GMDSS and Maritime VHF Radio has the ultimate functional design. Every detail has been developed based on user functionality, both in an emergency situation (emergency battery) and in general on board communications (rechargeable battery). When connecting the emergency battery, the radio is automatically in preset emergency mode. Only emergency required features are accessible, thus reducing critical radio adjustment time for the user.

## Tron TR30 GMDSS and Maritime Radio (Part no. 87950)



## A “two-in-one” radio

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



Tron TR30 GMDSS and Maritime Radio:

- Emergency battery
- Rechargeable battery
- Wrist strap
- Power supply
- Charger
- User manual

## Tron TR30 GMDSS Radio (Part no. 83446)



Tron TR30 GMDSS Radio:

- Emergency battery
- Wrist strap
- 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)

## Technical specifications

### (Charger, emergency- and rechargeable battery)

<b>CARGER</b>	
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
<b>EMERGENCY BATTERY</b>	
Chemical system	Lithium/Iron Disulfide (Li/FeS <sub>2</sub> )
Voltage	6 V
Capacity	2900 mAh
<b>RECHARGEABLE BATTERY</b>	
Chemical system	Lithium Polymer Battery
Voltage	7.4 V Nom
Capacity	1550 mAh

# Tron TR30 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
<b>RECEIVER</b>		
Maximum usable sensitivity	< 1 $\mu$ V for 20 dB SINAD	< 1 $\mu$ V 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
<b>TRANSMITTER</b>		
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 $\mu$ W	< 0.25 $\mu$ W
Frequency error	< +1.5 kHz	< +1.5 kHz
Adjacent channel power	< -70 dBc	< -70 dBc
<b>APPROVED STANDARDS</b>		
EMC/environmental	IEC 60945/301843-2	IEC 60945/301843-2
VHF	IEC 61097-12/EN300225	ETS301178



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