

Simrad HD52/HT50



Simrad HD52 Tough handheld VHF with Digital distress capability

Revolutionary new concept

The HD52 uniquely includes the ability to send a digital distress call. Protected by a sprung loaded cover, the dedicated Distress button will allow the small boat user to send a digital distress call to the rescue services.

Making a distress call

A special charger base is provided which can be connected to a GPS receiver via NMEA. When the radio is in the charger and turned on, position information will be transferred to the radio for subsequent use when a distress call is made. The position is stored all the time the radio is turned on, so that a distress call can still be made after the radio is removed from the storage position. The time since a last position was received is displayed on the screen, to warn the user that the position transmitted may not be completely accurate.

Simrad HD52/HT50 VHF facilities

The HT50's predecessors earned quite a reputation for their robust construction and dependable reliability, making them highly prized by coastguards, rescue

services and defence forces around the world. Designed and built to the same high standards – but smaller, more economical and even easier to handle – the new HT50/HD52 is indeed a worthy successor.

As tough as they come

Designed in accordance with the GMDSS maritime safety regulations, the HT50/HD52 will withstand being dropped from a height of 1 meter onto a hard surface. The rubber encased flexible aerial is stud mounted for maximum durability, and all the controls are push-button keys, so there are no projections that might be vulnerable to knocks.

Watertight to 1 meter

The GMDSS rules also require handheld VHF radios to be sufficiently waterproof to cope with use in a liferaft. The casing and controls of the HT50/HD52 are fully sealed, to make the radio not just weatherproof, but sufficiently water-tight that it can be immersed to 1 meter without coming to any harm.

Dependable performance

Thanks to its superbly designed electronics, the HT50/HD52's reception clarity, transmitter efficiency and

Even in the bitter cold with gloved hands, you can easily press the buttons you want without inadvertently pressing anything else.



resistance to interference are more than a match for any of its competitors. In addition to the maximum 5 Watt transmission power, for short distance calls in harbours and marinas, there is a low power 1 Watt setting to preserve battery life. Included as standard is a standard 1200mAh rechargeable battery and 12V DC charger. An optional high capacity 1200mAh nickel metal hydride battery pack and rapid charger are also available if required.

Custom channel choice

The HT50/HD52 features 54 international channels, plus up to 16 additional channels used for particular country requirements and for commercial users. With dual- and tri-watch, as well as all channel scan and memory scan (where permitted), it has a powerful ability to monitor the airwaves.

NOTE: The HD52 distress function may not be approved for use in all countries.

The HT50/HD52 is supplied with rechargeable nicad battery in a fully sealed housing and comes with a state of the art commercial charger. The HD52's charger base is connected to the GPS to update position information.



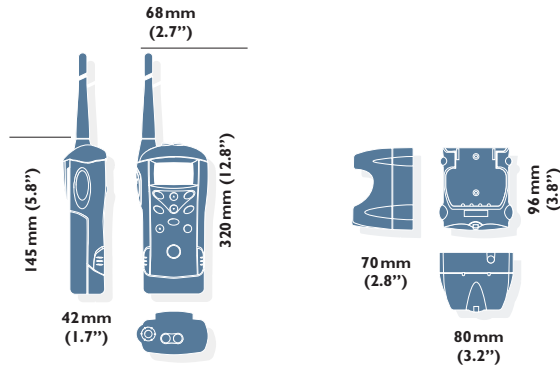
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SIMRAD
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Simrad HD52/HT50

Technical Specifications



VHF:

Power Supply:

1200mAh NimH
rechargeable battery

Power Drain:

Rx 0.2 Amps, Tx (5W)
1.5 Amps (typical)

Modes:

Simplex / Semi-Duplex

Channels:

All international / USA (incl. Vx) plus
special regional channels as allowed

Transmitter

Power Output:

High 5W / Low 1W max

Spurious emissions: < - 70dBc

Deviation: + 5kHz max

Receiver

Sensitivity: < 1mV EMF / 20dB SINAD

AF Output: 400mW @ 10% dist

Adjacent Channel Selectivity: > 70dB

Inter-modulation Rejection: > 70dB

Hum and Noise: < - 40dB

Construction

High impact resistance plastic case.
Aluminum die-cast chassis.

Dimensions / Weight:

145mm x 68mm x 42mm
(without antenna) 0.4 kg

Environmental:

-20 to +55°C 95% rel. hum. @ 40°C

Drop resistance:

1 meter onto hard wood surface

Water resistance

1 meter submersion for 1 hour

EMC: EN60945

Optional Accessories

Batteries:

NC70 700mAh Nickel
Cadmium rechargeable battery pack
NH12 1200mAh Nickel metal hydride
rechargeable battery pack

Chargers:

TC50 Trickle charger
(approx 14 hour, 12 Volt)
RC50 Rapid charger
(approx 1 hour, 12 Volt)
MAT50 Mains adapter for
trickle charger
MAR50 Mains adapter for
rapid charger

Accessories:

LYD1
Lanyard

*Specifications subject to change
without notice*