

NANICOM VHF

FIXED VHF DSC RADIOTELEPHONE



DSC VHF RT-550⁽¹⁾

New fixed DSC VHF radiotelephone with very large LCD display

The DSC system allows sending a distress signal, including an identification message on a 30 to 50 nm range, to all ships equipped with a DSC VHF (this equipment is compulsory on large ships, with permanent watch). All the useful information for rescue coordination, like ship identification & position are included in this message that is automatically transmitted from ship to ship until it is finally received by a rescue center.

Aside from this rescue function, the RT-550 DSC performs traditional communication functions with other ships

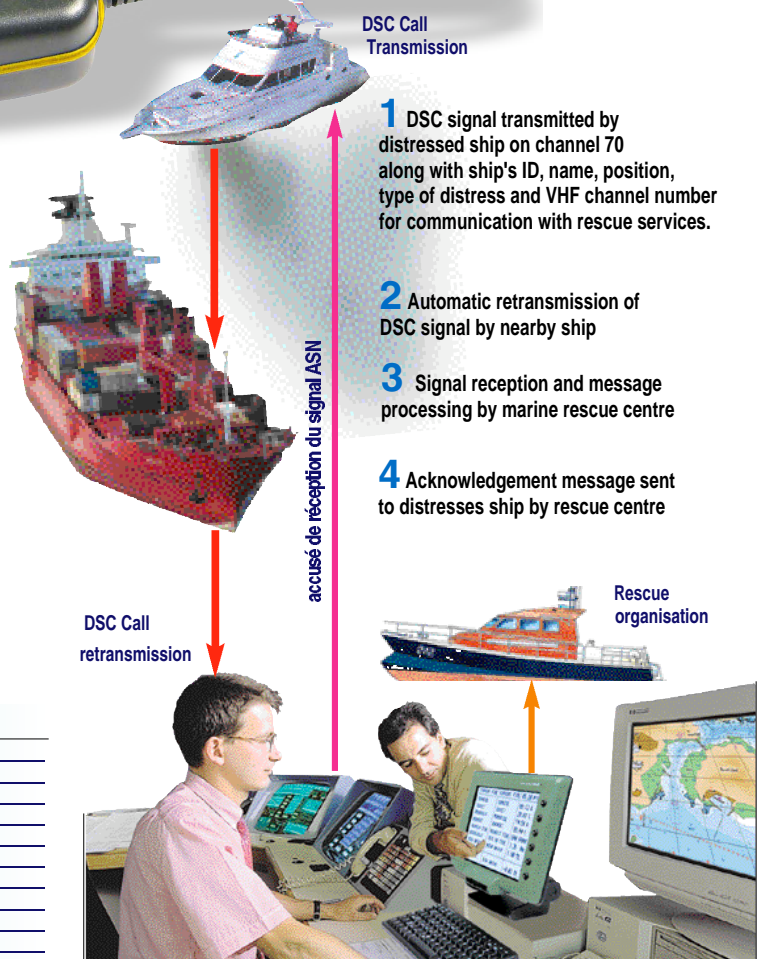
- Very large, red backlit display
- Ship to ship, or ship to shore calls
- Class D DSC included with message registration
- Channel & Output power selection from handset
- Backlit keyboard & display. Visual & audio alarms.
- Ship identification while a distress message is being sent
- Acknowledgement message sent by receiving stations
- DSC watch receptor. MMSI directory. 1 or 25 W output power.

RT-550 DSC VHF transceiver specifications

Display	3 back lighting levels LCD Screen
Keyboard backlit	Yes
55 international channels	All authorized channels
US channels	Yes
Usual channel storage	10 channels
Channel 16 quick access	Yes
Squelch & volume knobs	Yes
Power source	13.8Vcc
Operating modes	Simplex / semi-duplex
Antenna connector	Standard female 50 Ohms SO-239
Operating temperature	-15°C to +55°C
Dimensions and weight	167x157x72 mm, 1.2Kg
Output power	1 or 25 W
Distortion : Signal/Noise rate	<5%; <40dB
Sensitivity / Reception distortion	12dB / <5%
Internal speaker & external plug	4 W / 8 Ohms (external speaker in option)
DSC functions	
MMSI directory	20 numbers stored
Distress & security calls	Individual & to all ships
Routine calls	Group calls



With a DSC VHF transceiver, one push on the distress button ensure, in automatic mode, a repeated transmission of rescue calls on channel 70, fully dedicated to this use. The messages include the ship's ID, its position, the hour of the initial call, and the nature of the distress (user selected from list during call activation). If a merchant ship is in transmission range, these signals are automatically retransmitted to other stations by any onboard available means of communication (VHF, SSB or satellite phone), and an acknowledgement message is added to the initial message. These relays operate until final reception by a marine rescue centre.



When purchasing a VHF transceiver, user must conform to the ongoing regulation:

- 1/ Restricted radiotelephony certificate
- 2/ License application
- 3/MMSI number application

The responsible authority in France for this of procedure is the ANFR (www.anfr.fr).



DSC VHF RT-550 can be gimbal or flush mounted