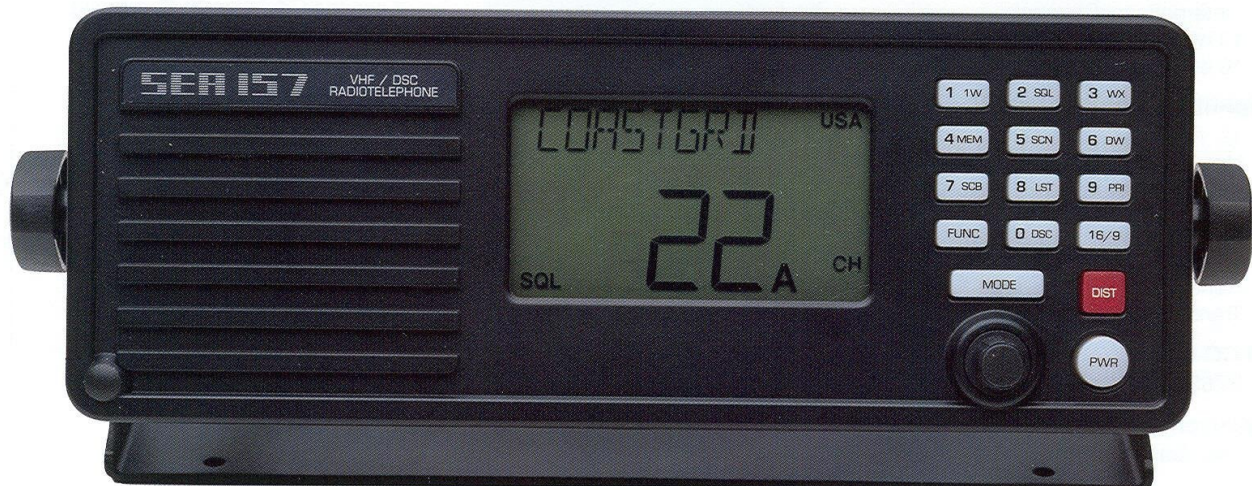


SEA 157

DSC/VHF Radiotelephone



The SEA 157 DSC VHF is a high performance SC101 DSC radio offering a solution for all VHF applications. Economically priced, in a compact cast aluminum housing, the SEA 157 offers all the features demanded of today's VHF radios. SEA's years of expertise in the design and manufacture of marine communications equipment ensures reliability when you need it most.

The SEA 157 has a wide range of valuable features:

- SC101 DSC Operation
- Voice Scrambler
- NOAA Weather Alert
- Programmable private channels
- DSC call and address log
- LAT/LON display with GPS input
- MariTEL ready
- 6 scan modes
- Operates on all US, Canadian and International channels including WX channels

The SEA 157 is the newest member of SEA's family of award winning radiotelephones. The large, front-facing speaker provides exceptional audio quality

The SEA 157 includes: all U.S., Canadian, and International channels, a dedicated channel 16/9 function, weather channels, and ten expansion channels. Six scan modes (all scan, priority scan, dual watch, weather scan, scan select, priority all scan) allow the user to customize the channels being monitored.

SEA is supported by a large network of authorized dealers nationwide and internationally. The SEA name on your VHF radio is our guarantee that you will be getting the best VHF radio available.

The SEA 157 also includes:

EXTERNAL MUTE: for multiple radio installations, transmitting on one radio will mute all other radios;
REMOTE MICROPHONE: connections are available on the power cable assembly for a remote microphone.

Specifications:

GENERAL:

Frequency Range:

155 to 163.6 MHz

Number of Channels:

All US, Canadian, and International Channels
10 weather
10 expansion channels

Input Voltage:

12 VDC +30% - 10% (13.8V nominal)
Negative ground (U.S. version)
Isolated chassis (C.E.P.T. version)

Current Drain:

Standby 0.5A
Receive 0.6A
Transmit 6.0A (25W) 1.5A (1W)

FCC ID:

BZ6SEA157

Warranty:

Two Year - Limited

DSC OPERATION:

Navigation Interface:

NMEA 0183 Version 2.0 compatible

Clock:

Date and time of day, battery backed

Calling Formats:

All formats per ITU-R M493-9
Class D

ITU Recommendations:

493-9 and 541-8

IMO Resolutions:

A.694(17) and A.803(19)

Memory:

Nonvolatile memory for unit's DSC individual and group ID's.
Nonvolatile memory for 10 frequently called DSC ID's and telephone numbers with associated alphabetic names.

RECEIVER:

Frequency Range:

155 to 163.6 MHz

Sensitivity:

Less than .3uV for 12dB SINAD
Less than .4uV for 20dB quieting

Selectivity:

At least 80dB at 25 KHz
85dB at 50 KHz or greater

IM Ratio:

At least 80dB

Spurious and Image Rejection:

At least 80dB

Audio Output:

4W, less than 10% distortion into 4 Ohms

TRANSMITTER:

Frequency Range:

155 to 159 MHz

Frequency Stability:

±5ppm, -30 to +60°C

Power Output:

25W. 1W into 50 Ohms

Audio Response:

6dB per octave pre-emphasis
300 to 3000 Hz

Audio Distortion:

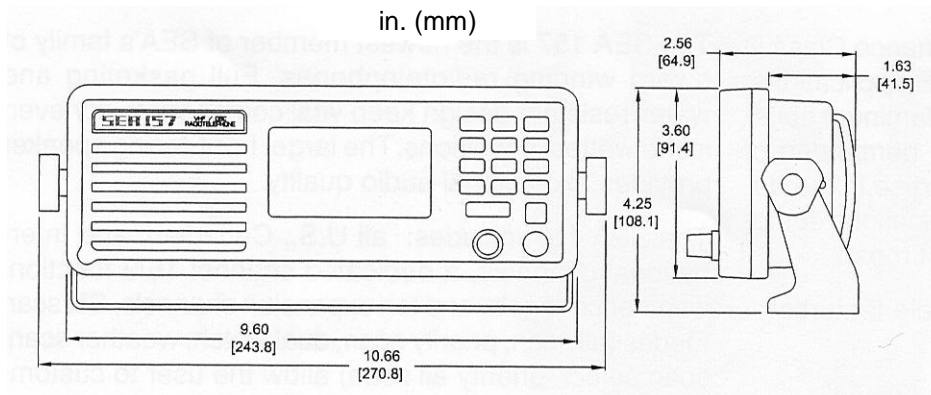
Less than 10%

Spurious and Harmonic Radiation:

At least 60dB below rated carrier

Dimensions

in. (mm)



SEA 157
3 lbs (1.4 kg)



American technology that talks to the world.

7030 - 220th S.W., Mountlake Terrace, Washington 98043; (425) 771-2182; Fax: (425) 771-2650; www.sea-dmi.com