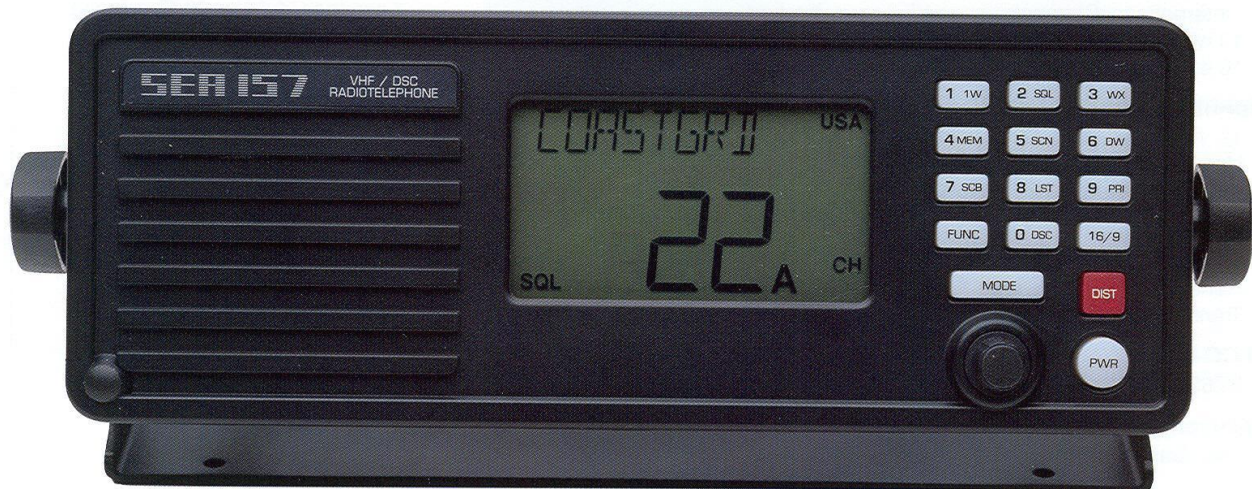


# SEA 157

## DSC/VHF Radiotelephone



The SEA 157 DSC VHF is a high performance FCC certified SC101 Class D DSC radio offering a solution for all VHF/FM Marine operators. 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 insures reliability and performance when you need it most.

The SEA 157 has a wide range of valuable features that include:

- SC101 Class D DSC Operation
- Voice Scrambler
- NOAA Weather Alert
- Programmable private channels
- DSC call and address log
- LAT/LON display with GPS input
- MARITEL Options
- 6 scan modes
- Operates on all US, Canadian and International channels including WX channels
- Option for VDR line output

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

The SEA 157 includes all U.S.A., 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.

A large network of authorized National and International Dealers support SEA products. The SEA name on your VHF radio is our guarantee that you will be getting the best VHF radio available.

New SEA 157 versions also include an EXTERNAL MUTE function for multiple radio installations where transmitting on one radio will mute all other radios.

REMOTE MICROPHONE: connections are available on the power cable assembly.

# 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  
US FCC Class D

### ITU Recommendations:

ITU-R M493 and M 541(as applicable)

### IMO Resolutions:

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

### 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

### VDR option:

600 Ohm TX / RX line output

## 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:

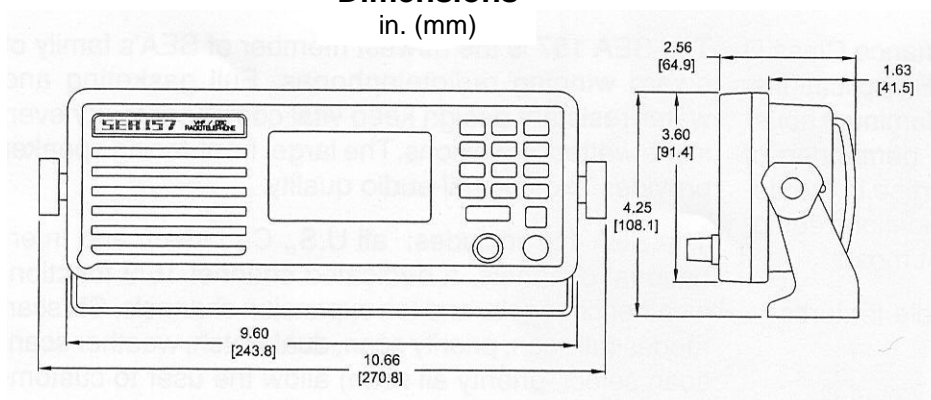
Less than 10%

### Spurious and Harmonic Radiation:

At least 60dB below rated carrier

## Dimensions

in. (mm)



SEA 157  
3 lbs (1.4 kg)

## SEA COM CORPORATION

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