**)、Main function**
**1、General voice calls**
**2、Distress urgency and safety communications, ship operating requirements, public business communication**
**3、DSC system**
**Distress emergency call**
**Individual call**
**Group call**
**All ships call**
**Sea Area call**
**Ship position request call**
**DSC test**
**4、DSC distress message storage and readout (distress  messages 24 ,  Other message 24)**
**5、Frequency scan**
**6、32 commonly used ship No. memory**
**7、 8 commonly used group call code memory**
**8、The number of memory channels**
**160 users can be set**
**249 ITU (International Telecommunication Union) SSB (SSB) duplex**
**124 ITU SSB simplex channels**
**9、Built-in GPS functionality**
**10、Manually enter the ship's position information function**
**11、Automatic / semi-automatic ship business**

**(2)、Technical Specifications**
**1、Overall Specifications**
**1）Frequency range (unit: MHz)**
**Receiver：0.5-29.9999**
**Transmitter：1.6-2.9999**
**4.0-4.9999**
**6.0-6.9999**
**8.0-8.9999**
**12.0-13.9999**
**16.0-17.9999**
**18.0-19.9999**
**22.0-22.9999**
**25.0-27.5000**
**2）DSC Channel：2187.5kHz，4207.5kHz**
**6312.0kHz，8414.5kHz**
**12577.0kHz，16804.5kHz**
**3）Emission type：**
**Transmitter：J3E（USB/LSB），H3E**
**J2B（AFSK）**
**DSC  Receiver：J2B**
**4）The number of memory channels：160 users can be set，249 ITU SSB Duplex，124  ITU SSB Simplex**
**5）Antenna connector：SO-239×2（50Ω）**
**6）Operating temperature range:：-30℃~+60℃，-22°F~140°F（This Unit is only warranty secured a range of -20 ℃ ~ +55 ℃）**
**7）Frequency Stability：（-20℃~+55℃，The battery is connected , after five minutes）**
**Transmitter：±10Hz**
**DSC Receiver：±10Hz**
**8）Power supply：DC 13.8V ±15%**
**9）Current consumption**
**Transmitter  : maximum power，30A**
**Receiver  : maximum audio 2.0A**
**10）Dimensions**
**Main unit：240（L）\*70（H）\*200（W）mm**

**2、Transmitter**
**Output power：150 / 60W**
**Carrier suppression：- 40dB**
**Unwanted sideband suppression：- 45dB**
**Harmonic component：- 40dB**
**Parasitic components：- 60dB**

**3、Receiver**
**1）Sensitivity**
**J3E，A1A**
**30dBuV emf（0.5~1.59999MHz）**
**13dBuV emf（1.6~1.79999MHz）**
**8dBuV emf（1.8~29.9999MHz）**
**J2B**
**13dBuV emf（1.6~1.79999MHz）**
**8dBuV emf（1.8~29.9999MHz）**
**J3E**
**44dBuV emf（0.5~1.59999MHz）**
**30dBuV emf（1.6~1.79999MHz）**
**24dBuV emf（1.8~3.9999MHz）**
**DSC Receiver Sensitivity**
**When 20dB，≤ 2uV(all channels)**
**2）Spurious response :**
**Receiver: ≥ 70dB**
**DSC Receiver：≥ 60dB**
**3）Total distortion factor：≤ 5%**
**4）Block ：≥ 100dBuV**

**Note: Specifications are subject to change without notice.**