



Summit

Marine VHF RS-509MG



DSC



GPS



**Dual Channel
Receiving**



**Waterproof
IPX7**



Main Functions :

- Built-in GNSS Module, Support GPS, GLONAS, SBAS Satellite-based Augmentation System (WAAS/EGNOS/MSAS/GAGAN)
- Small Size for Easy Installation
- NMEA Formats (In): RMC, GGA, GNS, GLL, VTG
- NMEA Formats (Out): DSC, DSE, RMC, GSA, GSV
- Dual Receiver, Independent DSC Dedicated Receiver
- Manually Input GPS Latitude and Longitude and Time
- IPX7 Waterproof Construction (1m Depth of Water for 30 Minutes)
- Speaker Vibration Draining Function
- Weather Channel Alarm
- Dual/Tri-watch Functions
- Scan: Normal Scan and Priority Scan
- DSC Call Reception and Transmission Records Can be queried
- Standard NMEA Interface (RS-422 Protocol)
- Full Dot Matrix Display
- Channel Number Display Digits Selectable: 3 Digits (01B)/ 4 Digits (2001)
- Simple Combination of Arrow Keys and Programmable Soft Keys for Smooth Operation
- Support Latest Marine Channel Standards and DSC Protocol Standards.
- DSC Distress Calls in 11 Categories, All DSC Calls in 3 Security Categories

Specifications:

General

Frequency coverage	TX:156.000-162.000MHz RX:156.000-163.425MHz
Mode	FM(16K0G3E) DSC(16K0G2B)
Frequency stability	±5ppm
Operating temperature range	-20°C~+80°C
Antenna impedance	50Ω
Dimensions (W×D×H)	155mm×68mm×86mm
Weight (main unit)	721g (Hand MIC Included)

Transmitter

Output power	25W/1W
Max frequency deviation	±5.0kHz
Spurious emissions	≤-70dB(H) ≤-56dB(L)
Adjacent channel power	≥70dB
Audio harmonic distortion	≤10%
Current drain	≤5.5A(H) ≤1.5A(L)
Input resistance	2kΩ(MIC)

Receiver

Sensitivity	≤0.22uV
Squelch sensitivity	≤0.22uV
Adjacent channel selectivity	≥70dB
Spurious response rejection ratio	≥70dB
Intermodulation rejection ratio	≥70dB
Max current	≤1.5A
Audio output power	≥4.5W (10%)
GPS signal ver.	NMEA0183-2.0
Output impedance	4Ω (Speaker)

Package List:

- 1 x Ship Mobile Radio
- 1 x DC Power Cable
- 1 x Mounting Bracket
- 1 x Mounting Screws Package
- 1 x GPS Antenna
- 1 x User Manual

