ISO9001

MARINE HANDHELD VHF RADIO G500

Ocean one®

GMDSS

About this item

INTRODUCTION:

The G500 VHF radiotelephone is a reliable marine communication device meeting GMDSS standards. It's waterproof, shock-resistant, and floats in water. Equipped with a dedicated lithium battery, it's user-friendly with rich functions. Send distress signals on Channel 16 in emergencies. Dependable and easy to use, the G500 ensures safety at sea.

CHARACTERISTIC:

· GMDSS Compliant	· IPX7 Waterproof
· Shock Resistant	· Clear Communication
· User Friendly	· Reliable Performance
· Floats in Water	· GMDSS Lithium Battery
· Conditional Waterproofing	· Distress Signal on Ch 16
· Floats with Accessories	· Multiple Functions
· Pre-programmed Channels	· Programmable Call Channel
· Power Save Mode	· Scan Modes

SPECIFICATION:

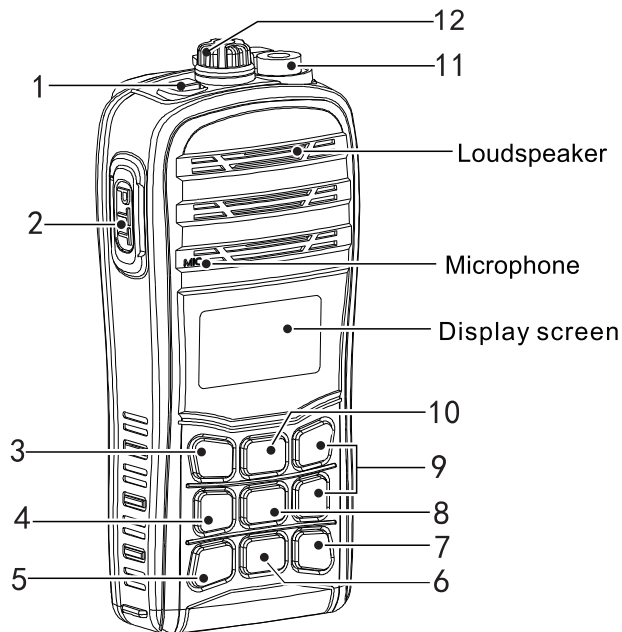|	
Frequency Range	VHF: 156.025 - 157.425 MHz
Channel	16 Channels
Operating Voltage	9V
Battery Capacity	Lithium-ion battery, 1200mAh capacity
Dimension (H×W×D)	146mm × 63mm × 48mm
Weight	283g (including battery, antenna, and belt clip).

Stay Connected, Stay Safe

Built for marine professionals, Ocean One radios ensure reliable communication and enhanced safety on every voyage.

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G500 Handheld VHF Radio

CONTROLS & INDICATORS:

1. Power Key [⏻]
• Hold down this key over 1.5 seconds; to power on/off transceiver.

2. [PTT] Key
• Hold down to transmit; speak with normal tone.
• Release to receive.

3. CH [16] / Call CH [16] / [C]
• Push to select channel 16.
• Hold for 1.5seconds to select the call channel.(factory default: channel 9)
• Transceiver factory default call channel is channel 9.
• When the call channel is selected, hold for 3 seconds to enter thecall channel programming mode.
• While in the set mode, push to return to the normal operation mode.

4. Volume Key [VOL] / [MUTE]
• Press this key, then [▲]/[▼]to adjust volume.
• Hold for 1.5 seconds, to open mute function.

5. [SCAN] / [DUAL]
• Push to startor stop scan mode (including normal and priority scan).
• Hold for 1.5 seconds to enter the Dual/Tri-watch mode.
• Hold this key and HI/LO key for 1.5 second, to activate the AquaQuake Function.

6. High/low power/Lock key [H/L] / [Lock]
• Push to select the high orlow output power.
• Hold for 1.5 seconds to turn the Lock function ON or OFF.

7. Up/down key[▲] [▼]
• Push to select an operation channel in normal mode.
• While in the Set mode, push to select the setting or value of an item.

8. Squelch/Monitor key [SQL] / [MONI]
• Press this key, then press[▲] [▼]key to adjust squelch level.
• Hold for 1.5 seconds to manuallyopen squelch and active the Monitor function.
• While hold this key, press [⏻]key to turn ON the power and enter the set mode.

9. Favorite/Tag channel key [FAV] / [TAG]
• Hold this key, then press[▲] [▼]keyto sequentially select the favorite/tag channels, while ignoring untagged channel.
• Hold for 1.5 seconds to set or clear the TAG for the display channel.
• While holding this key,press[⏻] key to power on to clear or set all TAG channels in the selected channel group.

10. Channel group key [CH]
• Press this key to switch between normal channel group and weather channel group.
• Hold for 1.5 seconds, to select a channel group ofUSA, International and Canada.
• Push to return to the previous channel before selecting Channe 16 or the Calling channel.

11. ANTENA CONNECTOR
• Connect the 50Ω supplied antenna here.

12. Earphone Jack [SP MIC]
• Use for connecting supplied earphone wire.
• Revolve anti-clockwise access flap to open, revolve clockwise to close.

▪ NOTE:
• Revolve access flap tightly while no earphone wire connected, to avoid waterleakage.

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Technical Specifications:

General Specifications

|	
Frequency Range	TX: 156.025-157.425MHz ; RX: 156.050-163.275MHZ
Type of Emission	FM(16K0G3E)
Frequency Stability	±10PPM
Lithium Battery	1200mAh (DC 9V)
Operating Temperature Range	-20℃~+60℃
Antenna Impedance	50
Dimensions (H x W x D)	146mm*63mm*48mm
Weight	283g(With battery, antenna, belt clip)

Transmitter

Output Power	3W/1W
Maximum Frequency Deviation	± 5kHz
Spurious Emissions	0.25uW
Adjacent Channel Power	≥70dB
Audio Harmonic Distortion	≤10%
Current Drain	≤1.5A(High power)
	≤0.7A(Low power)
	≤0.2A(Max audio output)

Receiver

Receive Sensitivity	≤0.22μV@12dB SINAD
Squelch Sensitivity	≤0.22μV
HUM and Noise	≥40dB
Adjacent Channel Selectivity	≥70dB
Spurious Response	≥70dB
Intermodulation Rejection	≥68dB
Audio Output Power	≥0.5W(10%)

Accessories

NOTE: Supplied package includes: Li-ion battery pack, drop-in charger, belt clip, high-efficiency antenna and quick-start user guide.
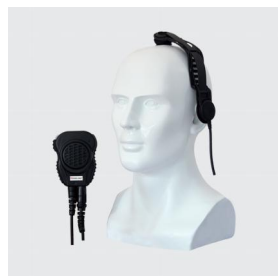
Bone conductive skull mic
Bone conductive skull mic with heavy-duty PTT.
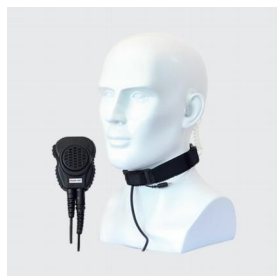
Throat mic/earpiece
Throat mic/earpiece with heavy-duty PTT.

Charger
Intelligent rapid charger.

AD/AC Adapter
Universal power adapter, ready to recharge.

Removable back clip
Removable back clip for flexibility.

GMDSS lithium battery
For emergency use only, non-rechargeable.

Rechargeable lithium battery
For regular operation, rechargeable.

Disclaimer
Accuracy of all technical data and information are provided to the best knowledge of the manufacturer.
Properties, specifications and application parameters are subject to change without notice. The manufacturer does not undertake any liability of any kind whatsoever.

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