


MARINE HANDHELD VHF RADIO A600V

Ocean one®

 Intrinsically Safe
ATEX ATEX Ex ib IIB T4 Gb



About this item

INTRODUCTION:

The A600V is a multifunctional marine VHF transceiver that complies with the regulations of the International Maritime Organization (IMO). It employs advanced waterproof technology and buoyancy design to ensure reliable operation in harsh marine environments. The device has obtained ATEX certification for intrinsic safety and is suitable for use in potentially explosive gas environments.



CHARACTERISTIC:

- Intrinsically Safe Design
- Floats on Water
- Multiple Channel Groups (USA/Intl/Canada)
- Priority Scanning
- Automatic Backlighting
- Vibration Water-draining
- Low Voltage Protection
- Frequency Stability (± 10 PPM)
- IP68 Water Resistance
- Dual Power Options (5W/1W)
- Weather Channels with Alerts
- Dual-watch/Tri-watch Modes
- Volume Mute Function
- Keyboard Lock Prevents Changes.
- Auto Low Power in High Temp.
- Headphone and Speaker Support

SPECIFICATION:

Frequency Range	VHF: 156.00 - 161.450MHz
Transmit Power	High Power: 5W / Low Power: 1W
Operating Voltage	7.4V
Battery Capacity	1200mAh Lithium-ion Battery
Dimensions (H x W x D)	140 mm x 65 mm x 41 mm
Weight	290g (including battery, antenna, and belt clip)



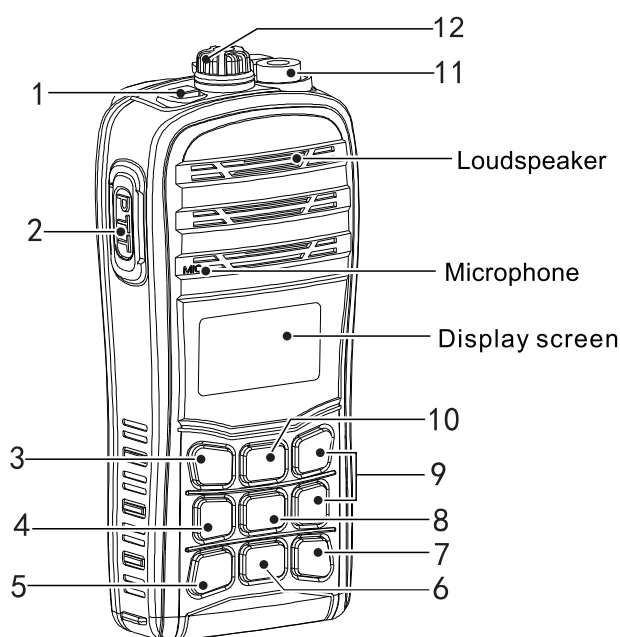
Disclaimer

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.

Stay Connected, Stay Safe

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

Ocean one®

CONTROLS & INDICATORS:**6. High/low power/Lock key [H/L] / [Lock]**

- Push to select the high or low 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 manually open 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[▲] [▼]key to 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.

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 the call 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 start or stop scan mode (including normal and priority scan).
- Hold for 1.5 seconds to enter the Dual/Tri-watch mode.
- Push to exit the watch mode
- Hold this key and HI/LO key for 1.5 second, to activate the AquaQuake Function.

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 of USA, 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.

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.

A600V Handheld VHF Radio**Technical Specifications:****General Specifications**

Frequency Range	VHF: 156.000 - 161.450MHz
Type of Emission	FM(16KOG3E)
Frequency Stability	±10 PPM
Battery Pack	1200mAh Li-ion(DC 7.4V)
Operating Temperature Range	-20 C ~+55 C
Antenna Impedance	50
Dimensions(H×W×D)	140mm×65mm×41mm
Weight	290g(With battery,antenna,belt clipp

Transmitter

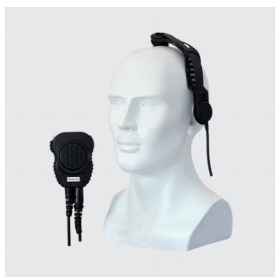
Output Power	5W/1W
Maximum Frequency Deviation	± 5kHz
Spurious Emissions	0.25uW
Adjacent Channel Power	≥70dB
Audio Harmonic Distortion	≤10%
Current Drain	≤1.5A(High power)
	≤0.9A(Low power)
	≤0.35A(Max audio output)

Receiver

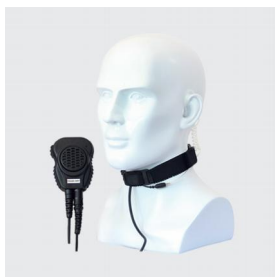
Receive Sensitivity	≤0.22μV
Squelch Sensitivity	≤0.22μV
HUM and Noise	≥40dB
Adjacent Channel Selectivity	≥70dB
Spurious Response	≥70dB
Intermodulation Rejection	≥68dB
Audio Output Power	≥0.5W(10%)

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.

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.

Stay Connected, Stay Safe

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

Ocean one®