

Underwater Diver Wireless Communications



Aquacom® SSB-2010 Diver Communicator

The Aquacom® SSB-2010 is a high power Single Sideband, multi-channel wireless underwater communicator manufactured by Ocean Technology Systems that is designed to meeting the demanding needs of the Commercial and Police Team Diver.

Using patented Digital Signal Processing and five watts of acoustic power, the SSB-2010 ensure clear intelligible diver-to-diver or diver-to-surface communications over long range in most subsea conditions. In order to organize you dive teams communications, the SSB-2010 operates on four(4) selectable channels.

Another key feature of the SSB-2010 is user selectable functions that support the unit's ability to provide superior communications underwater. Volume control, VOX or PTT functions, squelch control and channel selection can all be adjusted by the operator to optimize the SSB-2010 performance, even during the dive.

The SSB-2010 comes standard with a NiMH rechargeable battery pack, battery charger, and EMA-2 earphone/microphone harness for the AGA FFM. Other earphone/microphone assemblies are available for different types of diving masks. For surface support communications for the SSB-2010, the rugged and high powered STX-101 Surface Station is available.



Specifications

Range:	1000meters in calm seas
Carrier Frequency:	31 to 33Khz (four channels)
Acoustic Output Power:	5 watts (nominal)
Receiver Sensitivity:	-110 dBv
Transducer:	Piezoelectric Type
Earphone:	Dual Ceramic
Auto Gain Range:	120 dB Dynamic Range
Operational Indicator:	Power ON Red LED with Low Battery Alarm
Power Source:	12VDC NiHM or 8-AA Alkaline Battery Pack
Battery Life:	13hrs w/NiHM and 7hrs w/Alkaline (10% duty cycle)
Depth Rating:	151meters (500Ft.)
Housing Material:	High Impact, Polycarbonate
Dimension:	19.5cm(H) x 8.90cm(W) x 4.60cm(D)
Weight:	0.5lbs in water



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Underwater Diver Wireless Communications



Aquacom® STX-101 Surface Station

The Aquacom® STX-101 is a high power Single Sideband, multi-channel through water surface station manufactured by Ocean Technology Systems that is designed to provide surface communications with the SSB-1001B Diver Communicator.

Using same patented Digital Signal Processing and five watts of acoustic power, the STX-101 ensure clear intelligible surface-to-diver over long range in most subsea conditions. In order to organize your dive teams, the surface station operates on four(4) selectable channels.

Another key feature of the STX-101 is easy to use functions that support the stations ability to provide superior communications underwater. Volume control, squelch control, and channel selection can all be adjusted by the operator to optimize performance during the dive mission.

Rugged and reliable, the STX-101 comes standard with a rechargeable battery pack, battery charger, and hand-held microphone.



Specifications

Range:	1000meters in calm seas
Carrier Frequency:	31 to 33Khz (four channels)
Acoustic Output Power:	5 watts (nominal)
Transducer:	Piezoelectric Type
Microphone:	Hand-Held, Dynamic, 200ohm
Auto Gain Range:	100 dB Dynamic Range
AGC:	100 dB Dynamic Range
Activation:	Installation of transducer cable assembly
Power Source:	Two(2) 6VDC Gel-Cell Alkaline Batteries
External Power:	12 VDC with a minimum of 4 amps
Battery Life:	12hrs w/Gel-Cells and 20hrs w/Alkaline (10% duty cycle)
Panel Material:	Stainless Steel
Housing Material:	Polycarbonate UK603 Case
Dimension:	16.5cm(H) x 35.0cm(W) x 27.0cm(D)
Weight:	12lbs

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