

Underwater Diver Wireless Communications



Aquacom® SSB-1001B Diver Communicator

The Aquacom® SSB-1001B 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 Military and Government Diver.

Using patented Digital Signal Processing and five watts of acoustic power, the SSB-1001B ensure clear intelligible diver-to-diver or diver-to-surface communications over long range in most subsea conditions. In order to maintain organized communications to your dive teams, the SSB-1001B operates on eight(8) selectable channels.

Another key feature of the SSB-1001B 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 performance, even during the dive.

The SSB-1001B comes standard with a NiMH rechargeable battery pack, battery charger, and EMA-2 earphone/microphone harness for the AGA FFM. If you operate on a close circuit rig or a different type of mask, other earphone/microphone assemblies are available. For surface support communications for the SSB-1001B, the rugged and high powered STX-101M Surface Station is available.



Specifications

Range:	1000meters in calm seas
Carrier Frequency:	25 to 33Khz (eight channels)
Acoustic Output Power:	10 watts (nominal)
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-AAA Alkaline Battery Pack
Battery Life:	13hrs w/NiHM and 6hrs w/Alkaline (10% duty cycle)
Depth Rating:	90meters (300Ft.)
Housing Material:	High Impact, Glass-filled ABS
Dimension:	19.5cm(H) x 8.90cm(W) x 4.60cm(D)
Weight:	0.5lbs in water



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SSB101B, RevB, 10-09

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Aquacom® STX-101M Surface Station

The Aquacom® STX-101M is a high power Single Side-band, 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 patented Digital Signal Processing and ten watts of acoustic power, the STX-101M ensure clear intelligible surface-to-diver over long range in most subsea conditions. In order to maintain organize communications to your dive teams, the surface station operates on eight(8) selectable channels.

Another key feature of the STX-101M is the 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-101M comes standard with a rechargeable battery pack, battery charger, and hand-held microphone.



Specifications

Range:	2000meters in calm seas
Carrier Frequency:	25 to 33Khz (eight channels)
Acoustic Output Power:	10 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:	8hrs w/Gel-Cells (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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