

# 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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