

# Scubaphone

by *Subsea* Import Corporation

**Diver Unit Model 1080 VOX**  
**Surface Unit Model 1080SX**

The Scubaphone 1080 VOX is a high-performance communications system offering up to 3 km diver-to-diver / surface range. The transmitter is voice-activated (VOX) or PTT (push-to-talk), selectable by the diver – thus allowing greater freedom for the diver.

Scubaphone's technology is unequalled in the industry in terms of:

- *clarity of speech,*
- *extended range in both fresh and salt water*
- *clear communications in strong currents, around obstacles and in enclosed areas*
- *ease of use,*
- *long battery life*
- *rugged reliability in military / police / professional use.*



Advanced technology contributes to the superior quality and clarity of sound in the Scubaphone 1080 VOX. Sophisticated electronic circuitry and filtering techniques are utilized to enhance speech clarity and reduce extraneous noises, thereby providing optimum clarity under adverse conditions. The Scubaphone 1080SX is recommended as the surface station for the Scubaphone 1080 VOX.



The Scubaphone — like all of Subsea's products — employs crystal-controlled single side band (SSB) ultrasonic techniques. Scubaphone's SSB technology provides distortion free transmissions and extended battery life. Diving teams will enjoy clear communications even in strong currents or waters crowded with ships, wharf pilings, or debris and even while inside sunken ships, pipes or other enclosed areas. The Scubaphone 1080 VOX is compatible with all other Subsea communications products.

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# Scubaphone Model 1080VOX and 1080SX

Like Subsea's original Scubaphone 2000D, the Scubaphone 1080 VOX is the professional diving team's answer to reliable, easy-to-use, and extremely clear wireless medium range underwater communications (up to 3Km under calm open water conditions).

The Scubaphone 1080 VOX consists of a main unit containing the transducer, the electronic circuitry and battery pack. This main unit may be either belt or tank mounted. The headset contains two high-output speakers and a waterproof microphone which is floodable to 100m. The entire diver system is lightweight yet rugged, comfortable, and easy-to-use. The only exposed connector is the connection to the microphone which has no metallic contact to corrode and may be disconnected and connected by the diver while submerged.

The system features:

- High quality marine materials and military specification connectors on the surface unit.
- Consumes minimal power resulting in long battery life —  
10 hours at 15% transmit for diver units and 24+ hours for the surface unit.
- Easy recharging of both surface and diver units with supplied battery charger.
- Excellent communications clarity and range.

	<b>Diver Unit 1080VOX</b>	<b>Surface Unit 1080SX</b>
Operating Frequency	USB 28.5KHz or 25.0KHz carrier standard Other frequency options available including Custom frequencies.	USB 28.5KHz or 25.0KHz carrier standard Other frequency options available including Custom frequencies.
Modulation	Upper Single Sideband Suppressed Carrier	Upper Single Sideband Suppressed Carrier
Transmitter Activation	PTT (push-to talk) or VOX, diver selectable	PTT (push-to talk)
Transmitter Power	5 Watts rms	5 Watts rms
Receiver Audio Power	1 Watts rms	2 Watts rms
Receiver Gain Control	Automatic, AGC > 90dB	Automatic or Manual > 90dB
Nominal Range open calm water	3 Km	3 Km
Maximum Operating Depth	100m	Waterproof Surface Use
Battery	12V sealed lead acid Field Replaceable	12V Sealed Lead Acid or External
Charging System	Stand Alone Charger	Built In
Operating Time @ 15% Transmit	10 Hours	30 Hours
Battery Charge Monitor	Audio low battery alert	Built In
Operating Temperature	-20°C to 60°C -4°F to 140°F	-20°C to 60°C -4°F to 140°F
Tape recording Output	Via Surface Unit	Connection Built In
Extension Headset	N/A	Optional
Weight In Air	4.5Kg / 10lbs	10Kg / 22.5lbs
Weight In Water	0.5Kg / 1.0lbs	Buoyant

*All specifications are subject to change without notice.*

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