



DiverCOMM™ Transceiver
(antenna and headset not shown)

DiverCOMM™

Tactical Diver Communication System

Features

- Digital
- PTT
- Bidirectional
- High quality voice
- Secure, robust link
- No acoustic signature
- Amphibious ops



Welcome to a new way to communicate.

Ultra Electronics' DiverCOMM™ is a state-of-the-art wireless diver communication system that provides secure, short-range, two-way voice communications between divers in the most challenging underwater environments.

Operable in both fresh and salt water, DiverCOMM™ offers superior performance and reliability in acoustically noisy environments, confined spaces and in areas where physical occlusions can interfere with communications. The system is highly suited for diving operations in the littorals, shallow water, surf zone, waterways, harbours and ports.

Unlike acoustic communications, the robust DiverCOMM™ signal is unaffected by acoustical noise, wave action, bottom bathymetries and marine growth. There is no multipath and the signal can pass through physical barriers, line of sight obstructions and media boundaries.

A key DiverCOMM™ feature lies in the system's ability to communicate directly across the air-water interface, enabling connectivity between divers in and out of the water.

DiverCOMM™ is a Push-to-Talk (PTT) digital communication system employing the latest in Digital Signal Processing (DSP) technology, delivering exceptional speech quality. The system is compatible with most scuba and re-breather apparatus and comprises:

- Transceiver Module
- Transmit Antenna
- Receive Antenna
- Mic and Earphone Assembly

DiverCOMM™ communications are highly localized. The system does not generate an acoustic signature and is not susceptible to underwater detection.

Maritime Systems

Ultra
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Technical Specifications

DiverCOMM™

PHYSICAL PARAMETERS

Height.....	9 in (22.8 cm)
Width.....	2.75 in (6.98 cm)
Depth.....	2.31 in (5.88 cm)
Weight.....	3.3 lb (1.5 kg)
User Controls.....	Power, Volume
Connectors.....	Antenna, audio I/O
Indicator Light (green)	
• Power On Indicator.....	1 flash every 5 seconds (0.2 Hz)
• Low Battery Indicator.....	1 flash every 0.5 seconds (2 Hz)

GENERAL PARAMETERS

Transmit Antenna.....	Inductive loop
Receive Antenna.....	Omnidirectional array
Transmission.....	Digital; PTT
Operating Frequency.....	VLF
Audio Bandwidth.....	300 to 3,000 Hz
Transmit Output.....	10 A-m ²

GENERAL PARAMETERS CONTINUED

Power Supply.....	6 x CR123 3V Li
Battery Type.....	Field-replaceable; non-rechargeable
Range (Freshwater).....	50 m, depending on conditions
Range (Saltwater).....	20 m, depending on conditions
On-Time.....	12 hrs (avg)

ENVIRONMENTAL

Protection.....	IP68
Testing.....	MIL-STD 810E
Temperature (Operational).....	-10°C to +55°C
Temperature (Storage).....	-40°C to +60°C
Depth Rating.....	30.48 m (100 ft)



Ultra Electronics
 MARITIME SYSTEMS
 40 Atlantic Street
 Dartmouth
 Nova Scotia B2Y 4N2
 Canada
 Tel: +1 902 466 7491
 Email: misystems@ultra-ms.com
www.ultra.com
www.ultra-electronics.com

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