



BIG BLUE
MARITIME

Diamond Intercom

Wireless Intercom System

The Diamond Wireless Intercom System is a full duplex wireless intercom designed for the on-the-water conditions experienced by professional yacht racers and high-speed small craft. Providing over 12 hours of operation time on a single charge, the Wireless system can accommodate 4-32 users for a day out on the water.

The Wireless System operates using a wireless hub and users wearing a small, lightweight body mounted unit with headset. Renowned for providing intercoms to America's Cup 2017 and SailGP's premier season, the wireless intercoms system increases crew safety through low-latency communication and is designed to excel in wind, noise, salt and spray.

Key Features of the Diamond Wireless Intercom System



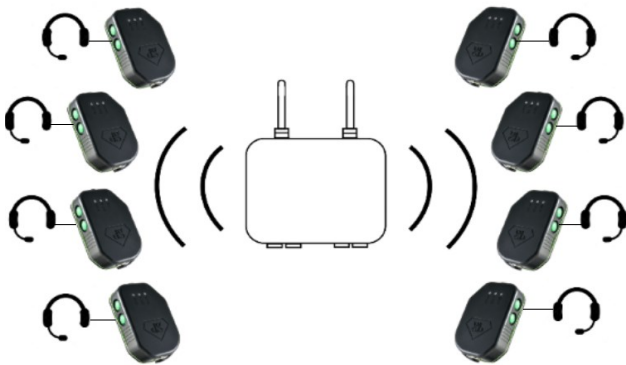
- Clear, reliable communications
- Excellent wind and ambient noise mitigation
- Customisable to number of users (2-32)
- Headset options to suit all needs
- Easy to use
- IP 67/68—still operational even after full submersion
- Latch PTT system enable single-hand operation
- Battle-tested: proven both on and off the water
- No need to rely on phone or wifi signal
- Over 50m line-of-sight from Hub to Body Pack
- Over 100m line-of-sight from Hub to Hub



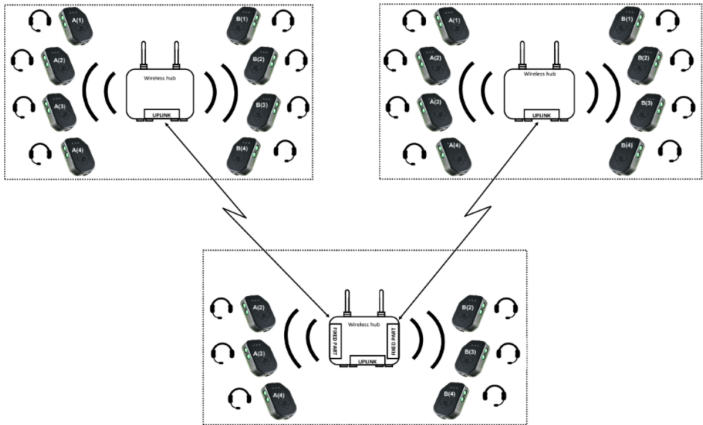


Technical Specifications

General	
Audio interfaces and processing	High quality, digital intercom audio (200Hz-2kHz)
Frequency	1870 MHz to 1930 MHz
Range	Hub to Body Pack: 50m line-of-sight Hub to Hub: 100m line-of-sight
Power	9-18 VDC 500mA @12V
Battery	12 hours (approx.) Charge time: 5 hours (approx.)
Sealing	Tested by being put through a washing machine! IP67
Temperature (Hub and body pack)	Operating: -20 to +70°C Operating: -40 to +80°C
Enclosure size (LxWxH)	Hub: 205mm x 185mm x 40mm (excluding external antenna) Body Pack: 95mm x 65mm x 31mm (excluding cables)
External Interface	Interfaces with Diamond Intercom and Radio Combiner System



Single Wireless Hub configuration



Sample network configuration

Big Blue Maritime
 Unit 10 Luccombe Business Park
 Milton Abbas
 DT11 0BD
 +44 (0)1258 880803
www.bigblueyachtcoms.com
contact@bigbluemaritime.com