

## CLEAR COMMUNICATIONS IN HIGH NOISE AREAS

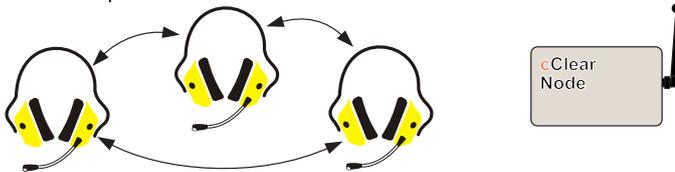
cClear combines the finest noise headsets with the clarity of DECT technology to provide clear duplex speech within high noise areas. Rechargeable headsets allow handsfree operation in areas such as engine rooms and anchor lockers.

### Benefits of cClear:

- Full two way (duplex) communication between all headsets
- Active noise cancelling headsets
- Optional link to central vessel UHF crew communications.
- Wire-free operation
- Fast deployment
- 24dB certified NRR protection
- IP66 ruggedised

### Operation Modes

#### 1. Full Duplex Noise Cancelled Comms



#### 2. Incoming Call from Crew Radios



#### 3. Outgoing Radio Call Using Headset Push To Talk



Channel 28 Ltd is an engineering and software development company focused on delivering programmed products and system solutions for Superyachts.

Founded in 2012 by two engineers with experience of delivering bespoke systems to tight deadlines and at realistic pricing, the company was conceived to develop and locate well engineered products and then integrate them into systems for specialist customers.

Channel 28 boasts a variety of products specifically developed for the marine industry, and in particular the superyacht industry, including its flagship product C-Comm. C-Comm, provides secure crew communication solutions that are easy to use and fit for purpose. Now installed and in operation on an ever-growing number of yachts worldwide, C-Comm's proven technology, security features and custom solutions have made it a true success.



### SPECIFICATIONS:

#### Weight

Over Head: 15.8oz / 448g  
Behind Head: 16.2oz / 458g

#### Power

Battery: 3.7V rechargeable lithium ion  
Battery Life: >24 hours @ 25 C  
Protection: Over voltage, under voltage, over current and over temperature protection  
AC Charge source: Supplied 12VDC, 500mA charger  
DC Charge source: 5VDC to 16VDC, 0.5A minimum  
Charge Time: <4 hours for fully discharged battery

#### Environmental

Operating temperature: -22 F to 140 F / -30 C to 60 C  
Storage temperature: -4 F to 122 F / -20 C to 50 C  
Charging Temperature: 32 F to 113 F / 0 C to 45 C  
IP-66 (Dust Tight, sealed against salt spray and moisture)

#### Regulatory

FCC Part 15  
FCC ID APX377 V9N960325300V1  
IC UPN APX377 7895A-950325300

#### MIL SPEC

Chemical Exposure: Intermittent Exposure MIL-STD 810 Method 504  
Humidity: MIL-STD 810F and 810G  
Temperature Shock: MIL-STD 810F and 810G

#### NRR

Behind Head NRR Rating: 24dB  
Over Head NRR Rating: 24dB

#### SAE

Conducted Immunity: J1113-11  
Electrostatic Discharge: J1113-13  
Radiated Emissions: CISPR 25  
Radiated Immunity: ISO 11452-2  
Salt Spray: J1455, Sec. 4.3  
Vibration: J1455 Sec. 4.9

#### Wireless DECT7

Carrier Spacing: 1.724 MHz  
Encryption: DECT Standard Cipher with 35-bit initialization vector  
Audio Bandwidth: 300 Hz to 3.4 kHz Narrow Band, G 726 50 Hz to 7 kHz, Wide Band, G 722 compression