Onboard Digital Radio Systems, Products & Solutions

C-Comm Information

Modern super yachts require robust, secure and effective on-board crew radio communications to enable day-to-day operations

C-Comm uses DMR (Digital Mobile Radio) technology providing superior audio quality, enhanced coverage and extended battery life.

All C-Comm systems are designed specifically for yachting and are fully compliant with radio licensing laws worldwide

Core C-Comm Features

- Crew Two-Way Digital Radio
- Secure Connections
- Radio to Radio & Group Calling
- GPS Location Plotting
- Send / receive text function
- Repeater systems
- High quality audio
- Inter vessel comms via VSAT
- Radio license law compliant worldwide
- Alarm and Monitoring Integration
- Integration with Telephone systems

Using DMR technology, C-Comm provides secure communications for your yacht with up to AES 256bit encryption.

Digital voice communications provides superior audio quality over greater distance with superior battery life.

C-Comm uses the internationally recognized frequency allocation for shipboard communications. Every C-Comm system can be used legally worldwide and complies with global radio licensing laws.

Narrowband technology allows two independent conversations to take place on a single radio channel

Each radio in the system has an inbuilt GPS receiver. Its location is transmitted back to the yacht's repeater. This data can be integrated into the electronic bridge system and can be used to plot the location of the radios within the C-Comm system

DMR technology allows our system to support voice conversations, data and VOIP telephony

Unlike conventional analog systems, DMR allows you to call either a group of users or an individual

Signals from the yacht's alarm and monitoring system can be connected to the on-board repeater system. These signals will broadcast as text messages to all the radios within a preset group; for example the on-board engineering team

The C-Comm system also supports direct connection to the yacht's on-board telephone systems using the SIP protocol. This enables the radios to make and receive telephone calls

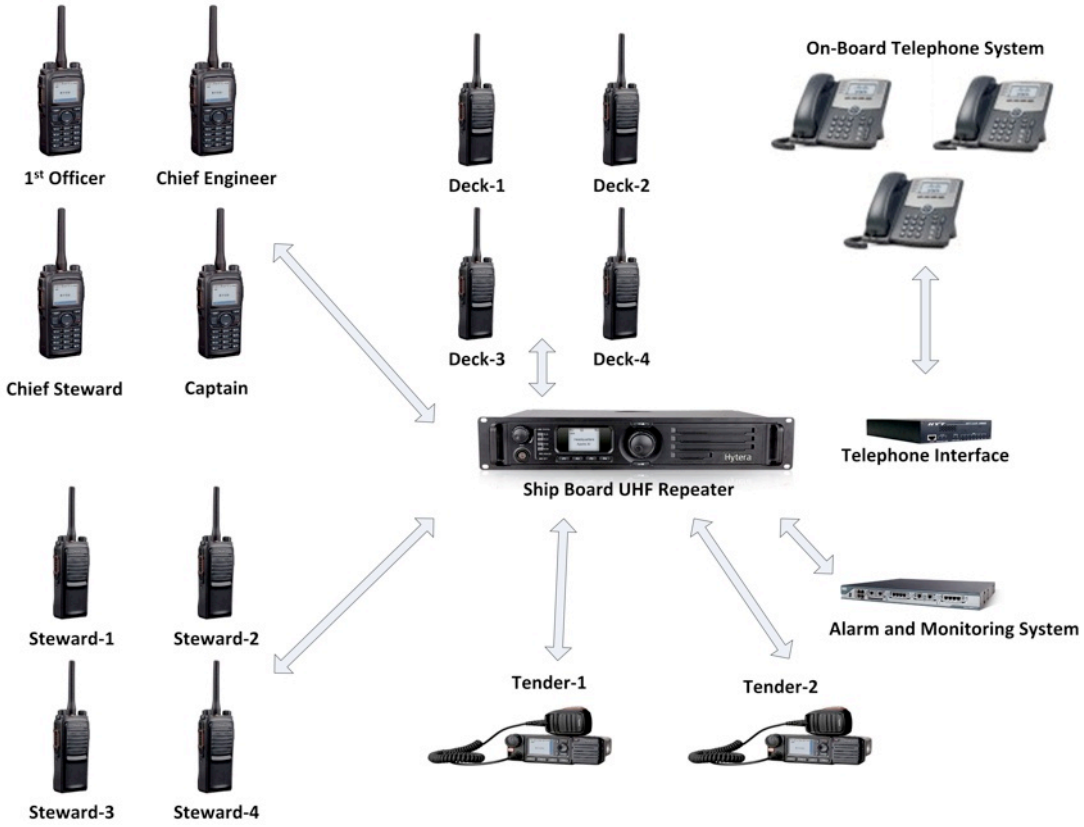
IP is used as the backbone of the system allowing it to interface with a variety of third party IP devices. For example, the control of lighting and security systems are possible using short-cut keys on a transceiver

C-Comm

Digital UHF Communications

The experienced team at Channel 28 offers a complete solution for your on-board radio communication needs. As an OFCOM licensed supplier, we are able to design systems that are approved for worldwide use whilst ensuring that they are fully compliant with the terms of your ship's marine radio license.

A typical C-Comm installation:



C-Comm core components:

Handheld crew radios rated to IP57

Handheld crew radios rated to IP67

Covert Transceiver for security use

Fixed Transceiver for Tender Installation

On Board Digital Repeater System

Telephone Gateway

Channel 28 Ltd is an independent engineering and project management company dedicated to providing specialist hardware and software solutions to meet the exact requirement of the users. The directors have over 50 years experience in the broadcast, audio visual, specialist medical and marine markets, designing products and managing projects worldwide. This allows the company to design custom products or software combined with existing technology to provide innovative systems.

channel 28 Ltd.

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www.channel28.co.uk • info@channel28.co.uk