DX400 Series

Commercial Grade Marine Portables

- **EN60945 Marine Approval**
- **DMR Digital & Analogue versions**
- **Submersible IP68**
- **Loudest In Class Audio**

DMR
DIGITAL MOBILE RADIO ASSOCIATION

Tough CRYSTAL CLEAR AUDIO
**Submersible
Dependable**

SUBMERSIBLE

CH 01
DIGITAL   467.525MHz

DX400 Series

Commercial Grade Marine portables

Available in UHF as a display and non display model, the commercial grade DX Series sets the benchmark for next-generation onboard intrinsically safe portables.

Standard features include both analogue and digital modes of operation, high visibility OLED display, high torque ergonomic controls designed for gloved-hand use, and industry-leading IP68 2m 4 hours submersible rating, to provide excellent reliability and usability even in the most extreme conditions.

Loud and Clear Audio

Our DX Series portables deliver best in class, loud and intelligible audio, essential when working in high ambient noise environments.

Voice Annunciation

This programmable feature gives further assurance to the user that they've selected the correct channel allowing them to focus on the task in hand. It can also announce low battery warning and battery status.

Benefits of Digital

Aside from crystal clear intelligible audio, there is increased range and battery endurance. DX Series also supports analogue mode ensuring backwards compatibility with any existing analogue radios on board.

Informative display shows both the channel number and the frequency

Easily Reprogram your radios …even at sea !

With our free, unique and simple to use PC app, you can easily re-program a DX Series radios whilst still onboard. The user friendly app makes it easy to drag and drop a new programming file from an email to your DX Series radio(s). This is a simple and intuitive process that can be carried out by non-technical personnel.
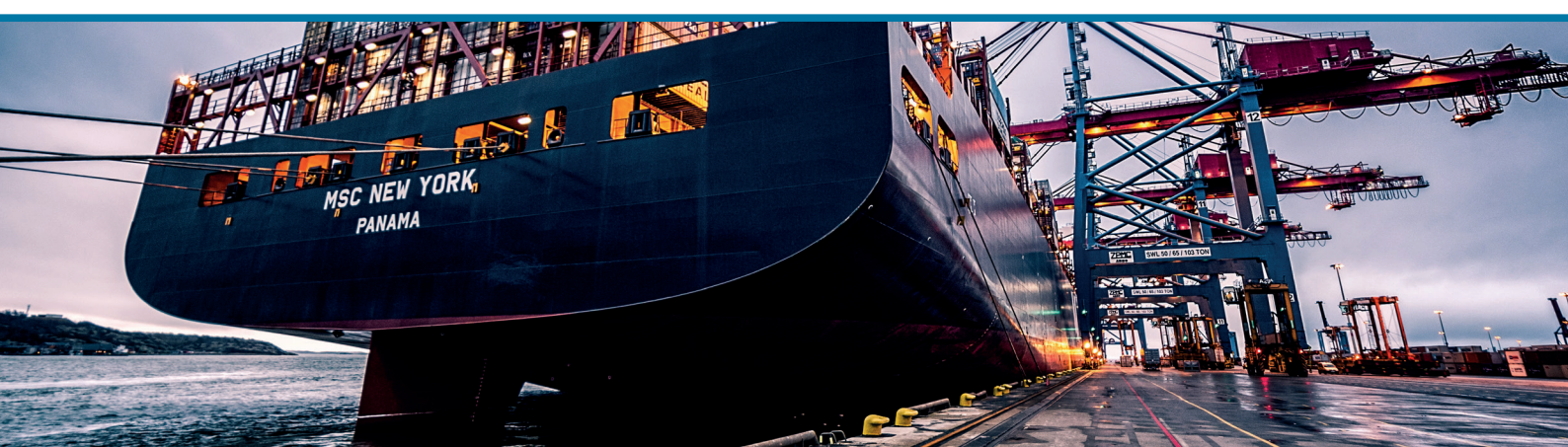See video @ entel.co.uk/dx-prog

Non display model   Display model

Migrate to Digital Your Way

DX UHF radios support both analogue and digital technologies. Supporting both technologies ensures backwards compatibility with existing analogue radio systems and a simple migration path to the many benefits of digital communications.

Intelligent Batteries

Entel's intelligent Lithium-Ion batteries are designed to deliver optimum performance and safety. In digital mode the DX radio has a market leading duty cycle of 24 hours from a single charge.

Versatile Range of Accessories

From headsets to speaker microphones and advanced bone conduction technology, Entel offer a complete portfolio of accessories to ensure you stay connected.

Commercial Marine Grade Construction

EN60945 Compliant

Meets essential maritime environmental standards

Precise Control

High torque volume and channel controls give clear feedback and control

Positive Feedback Controls

Ultra tactile buttons that give positive feedback, even with a gloved hand

IP68 rated

Submersible for 4 hours to a depth of 2 metres, critical for marine usage

Locking accessory connector

All DX accessories incorporate a robust locking connector to further safeguard the user

Built to Last

Saltwater anti corrosion coating on chassis, designed for the maritime environment

Gold Plated Contacts

To ensure reliable operation in the harsh maritime environment

Model List - UHF

Models	Frequency	Display / Non display	Analogue / Digital	RF power
DX482M	UHF	Non	Analogue & Digital	1 & 2 watts (ERP)
DX485M	UHF	Display	Analogue & Digital	1 & 2 watts (ERP)

Key Features

✓ Commercial grade construction
✓ IP68 submersible
✓ Digital and analogue modes
✓ Outstanding range and performance
✓ Crystal clear audio

✓ High contrast white on black OLED
✓ Simple on-board reprogramming app
✓ Extensive range of approved accessories
✓ Audio accessory optimisation

Technical Specification

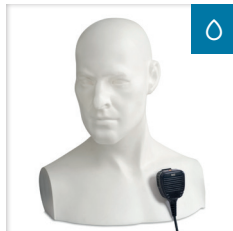| Specification	
Frequency Range	UHF 450-470MHz
Channel Spacing	12.5KHz & 25KHz
Operating Voltage	7.6V
Battery	CNB450E 2200mAh Lithium-Ion
Weight	Display model 267g Non display model 257g
Overall Dimensions (HxWxD)	97mm x 59.5mm x 37mm (with CNB450E)
Battery Endurance (5/5/90)	**Model** **Analogue mode** **Digital mode** DX482M 18 hours 24 hours DX485M 18 hours 24 hours
Frequency Stability	±0.5ppm
Operating Temperature	-20 to +55°C
Dust and Liquid Intrusion	IP68 2 metres for 4 hours
Drop Test	MIL-STD 810 C/D/E/F/G
Vibration and Shock	MIL-STD 810 C/D/E/F/G
Approvals	EN 300 720 v2.1.1 EN 300 113 v2.2.1 EN 60945:2002 EN 301 489-1 v2.2.3 & EN 301 489-5 v2.2.1 EN 62368-1:2020 + A11:2020 EN 50566:2017, EN 62311:2008 & EN 62209 - 2:2010

Model list	Channels	Display	Frequencies
DX482M	16	No	UHF
DX485M	99	Yes	UHF

RF power output	
Hi Power	2 Watts UHF (ERP)
Low Power	1 Watt

Accessories

Supplied package includes: Li-Ion battery pack, rapid charger, belt clip, high-efficiency antenna and quick-start user guide.
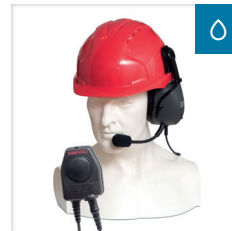
CSBHX
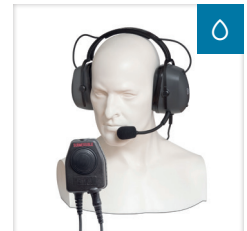Intelligent six-pod rapid charger

CMP/DXS
– simple version
CMP/DXE
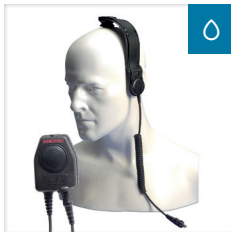– with earpiece socket
Heavy duty speaker microphone

CLCDX2 – non display
CLCDX5 – display
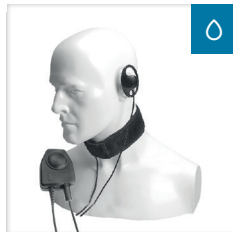A heavy duty leather carry case with swivel belt loop and strap

CHP450HS/DX*
Single sided ear defender headset for hard hat use

CHP450D/DX*
Double sided ear defender headset with headband

CXR5/DX*
Bone conductive skull mic with heavy duty PTT

CXR16/DX*
Throat mic / earpiece with heavy duty PTT

Submersible products are represented with a water droplet.

For the complete range of accessories please visit our website. All specifications are subject to change without notice.

* Submersible - PTT only

Full list of accessories available online.

Contact

Designed in the United Kingdom

For more information about our products, please contact us:
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