Business
Critical
Communications

Entel

DX400 Series

Commercial Grade Marine Portables

- EN60945 Marine Approval
- DMR Digital & analogue modes
- Submersible IP68
- Loudest In Class Audio

DMR
DIGITAL MOBILE RADIO ASSOCIATION

Tough | CRYSTAL CLEAR AUDIO
Submersible
Dependable

DX400 Series

Commercial Grade Marine Portables

Available in either VHF or UHF, as a display and non display model, the commercial grade DX400 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 DX400 Series delivers loud and intelligible audio, essential when working in high ambient noise environments. The accessory range incorporates a robust locking plug, high-grade cable and intelligent speech tailoring technology that automatically optimises the audio for the type of accessory connected always ensuring very best performance.

Informative display on UHF model shows both the channel number and the frequency

Voice Annunciation

This programmable feature is available on our non-display models only and 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.

VHF display shows the channel name and number

Benefits of Digital

Available on UHF models only, the DX400 Series digital mode eliminates analogue hissing and interference noise providing crystal clear audio, increased range and battery endurance. DX400 Series also supports analogue mode ensuring backwards compatibility with any existing analogue radios on board.

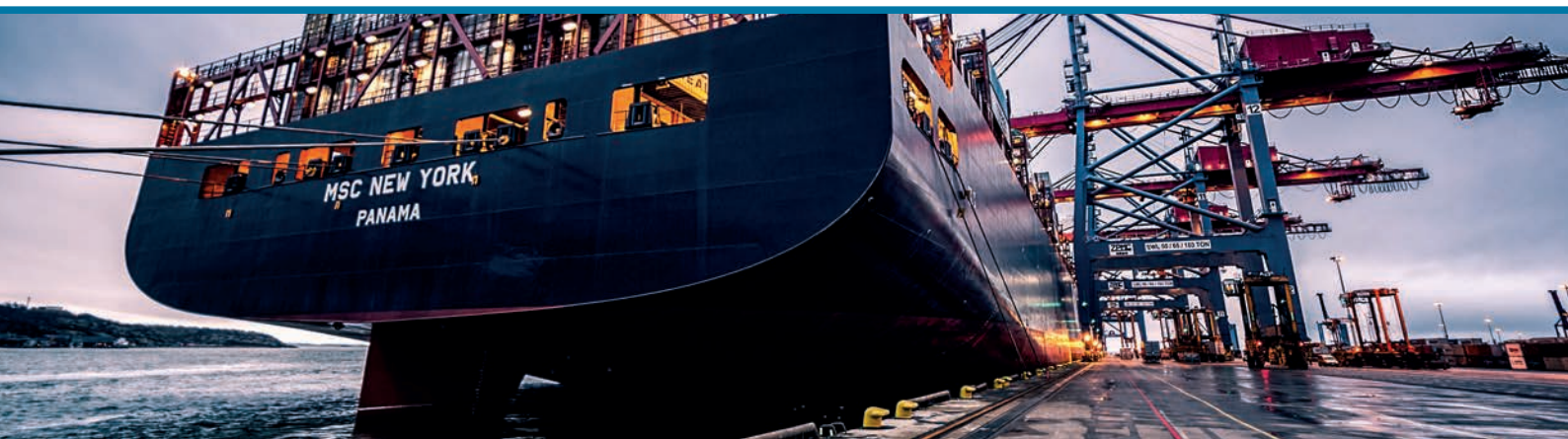
UHF model
Non display

UHF model
Display

VHF model
With ATIS feature

Easily Reprogram your radios …even at sea !

With our free, unique and simple to use PC app, you can easily re-program a DX400 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 DX400 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



Intelligent Batteries

Entel's intelligent Lithium-ion batteries are designed to deliver optimum performance and safety. In digital mode the DX400 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

Corrosion Protection

Battery terminals use galvanic corrosion protection to ensure optimun efficiency

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

Positive Feedback Controls

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

Gold Plated Contacts

To ensure reliable operation in the harsh maritime environment

Model List - VHF

Models	Frequency	Display / Non display	Analogue / Digital	RF power
DX644/ATIS	VHF	Display	Analogue	1 & 5 watts

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 marine grade construction
- ✓IP68 submersible
- ✓Digital and analogue modes
- ✓Outstanding range and performance
- ✓Crystal clear audio
- ✓Simple on-board reprogramming app
- ✓Extensive range of approved accessories
- ✓Audio accessory optimisation
- ✓IP Multisite Roaming (licenced option)
- ✓Locking accessory connector

Technical Specification

General		
Frequency Range	VHF UHF	156 to 163.275MHz 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)	
Channels Channels non display version	VHF UHF 	INT/USA/CAN mode plus private up to 99 up to 16

Battery Endurance (5/5/90)	Model	Analogue mode	Digital mode
	DX644/ATIS	14 hours	n/a
	DX482M/DX485M	20 hours	24 hours

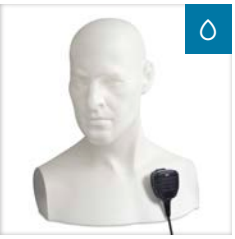
Transmitter	
Output Power UHF	1 & 2 watts (ERP)
Output Power VHF	1 & 5 watts

Environmental	
Operating Temperature	-20°C to +55°C
Storage Temperature	-40°C to +85°C
Thermal Shock	Compliant MIL-STD810 C/D/E/F/G
Humidity	
Shock & Vibration	
Packing Test	
Drop Test	
Water Ingress	IP68 2 metres, 4 hours submersible
Approvals	EN 301 178 v2.2.2 EN 300 720 v2.1.1 EN 300 113 v2.2.1 EN 301 843-1 v2.2.1 EN 301 843-2 v2.2.1 EN 301 489-1 v2.2.3, EN 301 489-5 v2.2.1 EN 60945:2002, EN 62368-1:2020 + A11:2020 EN 50566:2017 EN 62311:2008 & EN 62209-2:2010

Accessories

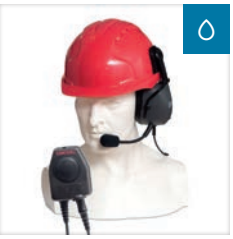
Supplied package includes: Li-ion battery pack, drop-in charger, belt clip, high-efficiency antenna and quick-start user guide.

CSBHX
Intelligent six-pod rapid charger

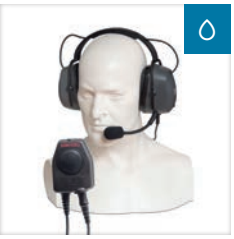


CMP/DXS
– simple version
CMP/DXE
– with earpiece socket
Heavy duty speaker microphone

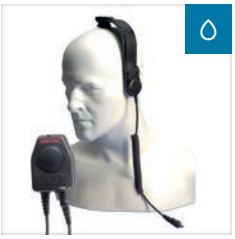
CLCDX2 – non display
CLCDX5 – display
A heavy duty leather carry case with swivel belt loop and strap



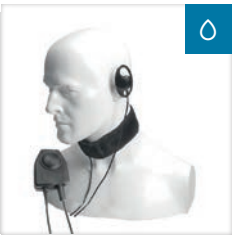
CHP450HS/DX*
Single sided ear defender headset for hard hat use



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.

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Contact

Designed in the United Kingdom

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