

Business
Critical
Communications

Entel

DX400 Series

Commercial Grade Land Portables

 Advanced engineering for crystal clear audio

 Submersible IP68

 Secure communication

 Ultra compact



Digital | CRYSTAL CLEAR AUDIO
Migration
Simplified



Actual size

www.entel.co.uk

Entel DX400 Series

Digital Portable Radios

Ultra compact, lightweight and dual-mode (Analogue and Digital), the rugged and fully-submersible DX400 Series radios deploy the latest DMR digital technology combined with Entel audio tailoring technology to ensure the best possible range and clarity.

Whether you need a basic entry level radio, advanced digital features, or something in between, the three DX400 Series models deliver smart solutions, helping you to increase productivity and to keep your business connected. Our digital radios are available in licensed and license free variants.

By combining innovative technology unique to Entel, with the globally accepted DMR standard and a robust IP68 submersible enclosure, Entel has produced the most exciting range of digital radios on the market today. Entel's DX400 Series radios deliver a best-in-class performance, range and clarity.

Why digital?

- Better coverage
- Significantly louder and clearer audio
- Longer battery life, longer duty cycles
- Far superior privacy

DMR is split into three types of service, from short-range license free to National / International connected networks:

Tier I - For commercial and leisure use with direct mode operation (no repeaters allowed). Fully approved for use within Europe and no license is required.

Tier II - For small to medium size licensed systems. Radios can be used in direct mode or with a repeater if significantly extended range is required. Tier 2 repeaters can be networked to increase the coverage area even further.

Tier III - For medium to large size licensed systems. 'Trunked' repeaters are used giving automatic access to multiple channels which may be extended and networked to support very large numbers of radios or coverage areas.

Double the Channels

Using two slot simplex, Entel DX400 radios split each channel in two, delivering double the number of digital channels at no extra cost. For example, if you are using a single analogue channel, the same channel in digital mode will yield two channels. Entel's Tier 1 (license free) DMR446 digital radios provide 16 digital and 8 analogue channels.



Entry Model



Mid-Tier Model



High-Tier Model

Simple to Sophisticated

Entry Model

Best for simple push-to-talk communications within small groups, such as calling a handful of individuals or initiating emergency calls.

Tier I, II & III

Mid-Tier Model

As per the entry model, plus a high contrast white on black OLED display, navigation button, menus and an extensive contact list. This allows a larger number of individual radio users and groups to be called, and even multiple groups at once. The mid-tier model is also capable of displaying emergency caller ID and free format text messages as well as sending pre-formatted text messages.

Tier I, II & III

High-Tier Model

All the features of the mid-tier model plus the benefits of a full keypad. Ideal for: sending free format text messages, ease of navigating channels, making contact lists, menus etc.

Tier II & III

Key Benefits

IP68 Submersible

The DX Series can withstand total immersion in water to a depth of 2 meters for 4 hours, more than a match for the hazards likely to be encountered in any field of operation.

High Contrast OLED

Entel's high contrast white on black OLED display provides exceptional readability at all angles both indoors and out.

Powerful Package

Compact, versatile and powerful, Entel's DX400 Series radios offer best-in-class performance, with an impressive 2 watts of natural-sounding digital audio, exceeding the output of radios almost twice their size. In addition, all of the DX Series' range of audio accessories benefit from Entel's unique speech optimisation technology.

Entel Sure Speech™

Entel intelligent speech tailoring technology optimises audio, delivering the very best clarity, volume and natural sound.

Migrate Your Way

Entel's DX400 radios offer both analogue and digital modes offering a migration path from existing analogue radio systems.

For advice specific to your needs, please contact your Entel Dealer.

The DX400 Series has been future-proofed with new features supplied as free software upgrades.

Exceptionally Robust

Entel's development team recognise that durability and reliability go hand-in-hand. To meet the requirements of the most demanding users, the DX Series is tested to MIL-STD-810 C, D, E, F and G for temperature, thermal shock, pressure, vibration, impact shock, solar radiation and rain and dust ingress. Entel's rigorous life-cycle testing ensures users can expect many years of trouble-free use.

High-Grade Accessory Interface

The rugged, multi-pin interface and Micro-USB socket are both submersible and gold-plated to minimise any risk of damage or corrosion. All Entel's accessories incorporate a robust locking plug and high-grade cable.

Enhanced Privacy

Entel's digital speech is more difficult to monitor than analogue radio. To further secure your communications system, it is possible to use the DX400's built-in secure digital encryption feature.

Simple End-User Programmer App

With Entel's unique user-friendly app there is no longer any need for a dealer to visit on site (or have the radios returned) to re-program or update customers' radios. Using Entel's free PC app, anyone can simply transfer programming data, software updates or add new features to their DX radios:

Step 1. The dealer emails the app and a 'Fleet File' to his customer.

Step 2. The customer runs the app and then drags and drops the 'Fleet File' into the app.

Step 3. The customer connects the radios to the PC (via a standard Micro-USB lead) and the semi-automated wizard programmer app takes care of everything else.

Please ask your Entel Dealer for a free, no obligation trial.

Key Features

- ✓ Compact, rugged
- ✓ IP68 submersible
- ✓ Digital and analogue modes
- ✓ Superior battery endurance
- ✓ 2 watts of audio, loudest in class
- ✓ Intelligent audio technology
- ✓ Audio accessory optimisation
- ✓ Extensive contact list (display models)
- ✓ Bluetooth V4.0, Class 2 (optional)
- ✓ Enhanced privacy as standard
- ✓ Simple end-user programmer app
- ✓ Outstanding range performance
- ✓ High contrast white on black OLED display
- ✓ Two-slot simplex operation
- ✓ Software upgradable for extra features / updates
- ✓ Greater data capability

