

What are the key benefits of Entel's DX-IS (Intrinsically Safe) radios?

- **Approved and certified to UL913**
Ideal for users who do not need to comply with the European ATEX directive
- **The most natural sounding Intrinsically Safe radio in both Digital and Analogue modes**
All DX-IS radios use Entel's speech tailoring technology to deliver the most natural sounding audio from any Intrinsically Safe DMR Digital radio, not robotic like other DMR radios
- **The loudest audio**
Entel's DX-IS radios deliver the loudest audio of all the I.S. radios we tested, essential when working in noisy environments.
- **Submersible and robust**
Being IP68 (4m 2h) submersible, DX-IS radios offer the best protection against liquid and dust ingress of all Intrinsically Safe radios currently available.
- **High contrast white on black OLED display**
DX-IS radios benefit from a high contrast white on black OLED display that delivers superior readability in all light conditions. Subject to your requirements, DX-IS OLED display can be programmed to give you a simple large and easy to read display or display more detailed information.
- **Accessory audio optimisation**
Entel's intelligent speech tailoring technology optimises audio to match the connected accessory; ensuring the very best clarity, volume and natural sounding audio.

What Approvals do the DX-IS Land models have?

Entel RED approvals can be found at www.entel.co.uk/red

Entel MED approvals can be found at www.entel.co.uk/med

Can I use the DX-IS in Europe?

No, only ATEX approved radios can be used in Europe.

Does a Dealer have to visit a customer's site, or have the radios returned, to update their software or re-program them?

No, DX-IS radios can be easily be updated or re-programmed by the customer at their own premises, please [see this video](#).

How do I know I have the right channel whilst using non-display models?

The radios channel number is displayed on the channel switch and the channel can also be voice announced (programmable option).

Do Entel's DX-IS radios work with my existing Entel / other make Intrinsically Safe and non Intrinsically Safe radios?

Supporting both analogue and DMR digital modes ensures backwards compatibility with existing analogue radio systems; it is also the route to migrating to fully-digital operations at your own pace.

What are the main benefits of using Digital vs. Analogue?

- Digital radios don't suffer from static like Analogue radios so sound much better when receiving a weak signal or being used near to equipment that is causing radio interference
- In Digital mode, DX-IS radios have a significantly longer operational time on a single charge
- In Digital mode, DX-IS have exceptional audio quality at low signal levels, far superior to any analogue portable

Do DX-IS Radios support Lone-worker, Emergency and Man-Down?

Yes, DX-IS radios support Lone-Worker and Emergency button as standard, Man-Down is available as an option.

What other features do the DX-IS radios support?

Please see the product page for your specific DX-IS model on our website. This is where we keep an up-to-date list of all the currently supported features and features that are on our roadmap.

Which battery technology is used for DX-IS radios?

DX-IS radios batteries are Lithium-ion (Li-ion), the key benefits are:

- Other rechargeable battery technologies suffer with a higher self-discharge rate. Lithium-ion cells rate of self-discharge is much lower than that of other rechargeable technologies such as Ni-Cad and NiMH
- Lithium-ion batteries do not require any maintenance to ensure their performance. Ni-Cad cells required periodic discharge maintenance to ensure that they did not exhibit memory effect.

How long will the battery last in my DX-IS radio from a single charge?

Two-way radio battery endurance measurements are standardised as a 5-5-90 duty cycle (5% transmitting, 5% receiving & 90% standby).

DX-IS radios 5-5-90 duty cycle endurance in Digital mode at full transmitter power are:

- Analogue mode = 18 Hours
- Digital mode = 22 Hours

What Entel accessories are available for DX-IS radios?

Please see the current list of Entel DX-IS accessories here: <https://www.entel.co.uk/products/range/accessories>

Click on the DX-IS model filter:

Model Selection Filter

Model

- DN[®]
- DTEX
- DX
- HT[®]
- HX[®]
- DX-IS

Can my old HT Accessories be used with DX-IS radios?

The only HX accessory that can be used with DX-IS is the charger.

What other accessories are available for DX-IS radios?

Other than those listed on Entel's website and quick start guide, no other accessories are supported or certified as safe to use with DX-IS radios. In addition, due to DX-IS built-in safety features, unsupported accessories will not work with DX-IS radios and the radio will enter its unsafe accessory attached alarm state.

If you have a specialist accessory you would like to use with DX-IS radios please ask your Entel Dealer to contact us to discuss the possibility of supporting it.