

Technical Specification

General Specification		Transmitter	
Channel Capacity	Non-Display – 16 LCD-Display – 255	Power Output VHF (HI/LOW)	5W / 1W
Frequency range Mid Band	66 to 88MHz	Power Output UHF (HI/LOW)	4W / 1W
Frequency range VHF High Band	136 to 174MHz	Modulation Type	8K0G3E / 16K0G3E (12.5 / 25KHz)
Frequency range VHF Band III	174 to 208MHz	Receiver	
Frequency range UHF	400 to 470MHz	Sensitivity	Better than -118dBm 12dB Sinad
Frequency range PMR446	446 to 446.1MHz	Rated Audio Output	1W
Frequency range UHF Up Band	450 to 520MHz	Intermodulation	-42dBm
Channel Spacing	25KHz / 12.5KHz	Adjacent Channel Selectivity	60 / 70 (12.5 / 25KHz)
Operating Voltage	7.4V	Spurious Response Rejection	-37dBm
Battery	Li-Ion 2000mAh	Spurious Radiations	2.0nW/20nW <1GHz>1GHz
Weight (with battery)	274g		
Dimensions*	100mm (h) x 61mm (w) x 31mm (d)		
Frequency Stability	2.5ppm		
Operating Temperature	-20 to +55°C		
Dust and Liquid Intrusion	IP55		
Drop, Packing, Vibration & Shock	MIL-STD 810 C/D/E/F Standard		

* Dimensions are based upon a radio with an attached battery, excluding knobs, antenna and protrusions.
For a full & detailed specification, please visit our website

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HX Series
Business Critical Communications

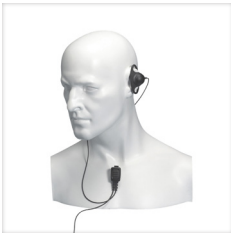
- Ultra compact
- Commercial Grade Construction

Accessories

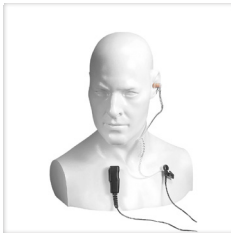
Supplied package includes: Li-Ion battery pack, rapid charger, belt clip, high efficiency antenna and quick start user guide.



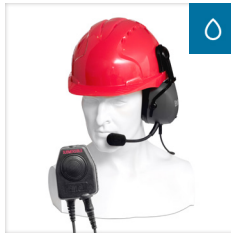
CSBHx
Six-way charger



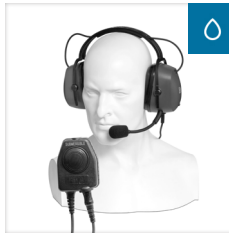
EA12/450
Earpiece microphone



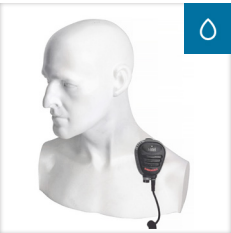
EA15/450
Covert earpiece / microphone



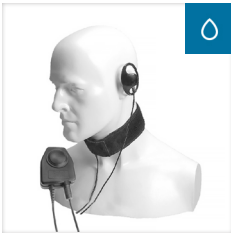
CHP450HS
Hard hat ear defender submersible PTT only



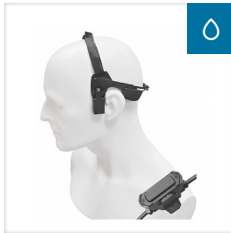
CHP450D
Headband ear defender submersible PTT



CMP450
Heavy duty speaker mic submersible



CXR16/450
Bone conductive throat mic



CXE19/450
Bone conductive both transmit & receive

Submersible products are represented with a water droplet.

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

Tough | ULTRA COMPACT
Dependable
Durable



Contact

For more information about our products please contact us:

+44 (0)20 8236 0032 info@entel.co.uk entel.co.uk

www.entel.co.uk

ENTEL HX LAND Series

Ultra-Compact Commercial Grade Portable Radios

Ultra-compact, rugged and lightweight with exceptionally loud audio, Entel's HX commercial grade portable radios deliver outstanding range & clarity.

With over 20-Years' experience exceeding the demands of our customers, Entel offers the most complete and established range of commercial grade portable radios available. Versions include: VHF, UHF, Entry (CTCSS), Advanced (Selcall & MPT1327).

Why Entel HX portables?

- Superior voice quality and volume
- IP55 protected against liquid & dust ingress
- MIL-STD 810/C/D/E&F standard robust construction
- High capacity (2000 mAh) Li-Ion batteries as standard

Superior Audio

Using the latest compander noise reduction technology Entel's HX portables deliver loud & intelligible audio, no matter what environment you are in.

Intelligent Li-Ion Battery

Entel's Lithium-Ion Batteries provide the following key advantages:

Extended Talk Time – The batteries 2000mAh capacity is up-to double that of other makes ensuring maximum talk time.

Li-Ion Chemistry – Entel's Li-Ion batteries are not prone to the dreaded memory effect that Ni-Cad and Ni-MH battery packs suffer from. This ensures you always have a good charge every time you take the battery from its charger.

Protected to IP55

Conforming to the European IP55 standard Entel's HX portables are protected against low pressure water jets from any direction and dust.

Commercial Grade Construction

Exceeding MIL-STD 810/C/D/E/F rating for tough enduring construction the HX Series radios are designed to withstand shock, vibration, dust and liquid ingress ensuring many years trouble free use in the most hostile of environments.

Simple or Sophisticated

Entel's HX portables are offered in three levels of sophistication:

Entry – The Entry range of HX portables offer simple Push-to-Talk functionality.

Selcall - Selcall adds individual and group calls plus emergency & remote services.

MPT1327 – Trunked (MPT1327) radios offer the most flexibility and are designed for larger systems.



Simple to Sophisticated

Entry Model

Ideal for simple push-to-talk communications within a small to medium size group of users, multiple channels can be used to increase the size of the system.

Mid-Tier Model

The mid-tier models are ideal for small to mid-size systems that require added privacy & safety. Features are as per the Entry models plus the ability to call multiple groups of users / individuals and display the callers ID. It is also possible to send / receive emergency calls using the built in panic button & lone-worker features plus the optional man-down sensor.

High-Tier Model

As per the mid-tier model plus all the benefits of a MPT1327 Trunked network allowing for very large systems.

Designed in the United Kingdom



Model Selection

MODEL VARIANTS			HX4x2	HX4x3	HX4x5	HX4x6
'ENTRY'	NO SUFFIX		✓	✓	—	—
'SELCALL'	'S' SUFFIX (ON HX4x2 ONLY)		✓	—	✓	✓
'MPT1327'	'T' SUFFIX		✓	—	✓	✓
VHF	66-88MHZ	(HX41x)	✓	✓	✓	✓
VHF	136-174MHZ	(HX42x)	✓	✓	✓	✓
BAND-3	174-208MHZ	(HX43x)	✓	—	✓	✓
UHF	400-470MHZ	(HX48x)	✓	✓	✓	✓
UHF	PMR446	(HX446E/HX446L)	✓	✓	—	—
UHF	450-512MHZ	(HX48xU)	✓	✓	✓	✓

Key Features

All Models

- ✓ IP55 Protected
- ✓ MIL-STD 810/C/D/E/F Construction
- ✓ 2000mAh Li-Ion Battery
- ✓ Software Upgradable
- ✓ 255 Channels (16 Channels HX4x2)

Selcall Models

- ✓ Individual & Group Calling
- ✓ Emergency Panic Button, Lone Worker & Man-Down

MPT1327 Models

- ✓ As Selcall and adds MPT1327 Trunked Network support