

# Entel

# HX Series

Business Critical Communications



Ultra compact



Commercial Grade Construction

**Tough** | ULTRA  
COMPACT  
**Dependable**  
**Durable**



# 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 Variants



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

# Technical Specification

General Specification	
Channel Capacity	Non-Display – 16 LCD-Display – 255
Frequency range VHF Low (mid) Band	66 to 88MHz
Frequency range VHF High Band	136 to 174MHz
Frequency range VHF Band III	174 to 208MHz
Frequency range UHF	400 to 470MHz
Frequency range PMR446	446 to 446.1MHz
Frequency range UHF Up Band	450 to 520MHz
Channel Spacing	25KHz / 12.5KHz
Operating Voltage	7.4V
Battery	Li-Ion 2000mAh
Weight (with battery)	233g
Dimensions*	30mm (h) x 59.5mm (w) x 37mm(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.

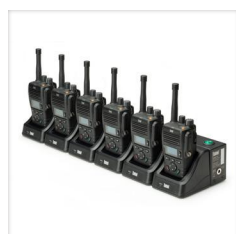
For a full & detailed specification, please visit our website

Transmitter	
Power Output VHF (HI/LOW)	5W / 1W
Power Output UHF (HI/LOW)	4W / 1W
Modulation Type	8K0G3E / 16K0G3E (12.5 / 25KHz)
Receiver	
Sensitivity	Better than -118dBm 12dB Sinad
Rated Audio Output	1W
Intermodulation	-42dBm
Adjacent Channel Selectivity	60 / 70 (12.5 / 25KHz)
Spurious Response Rejection	-37dBm
Spurious Radiations	2.0nW/20nW <1GHz/>1GHz

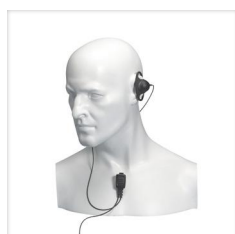
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## Accessories

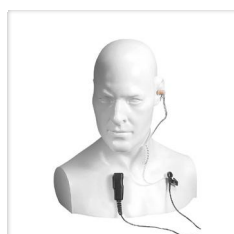
Supplied package includes: Li-Ion battery pack, rapid charger, belt clip, high efficiency antenna and quick start user guide.



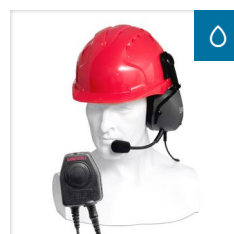
**CSBHx**  
Six-way charger



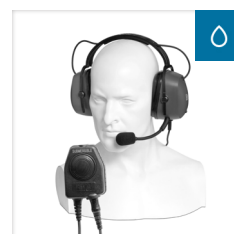
**EA12/450**  
Earpiece microphone



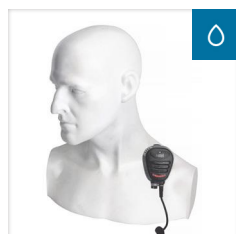
**EA15/450**  
Covert earpiece / microphone



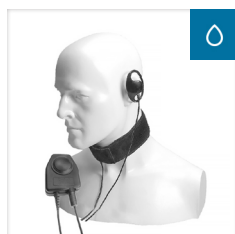
**CHP450HS**  
Hard hat ear defender submersible PTT only



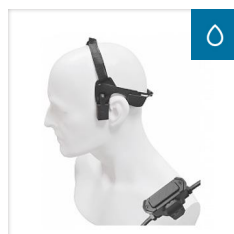
**CHP450D**  
Headband ear defender submersible PTT




**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.

## Contact

For more information about our products please contact us:

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