

MPT 1327

Entel

Bluetooth

Compact
Intelligent
Tough



HX Series 2.0

HX series features

HX Series 2.0 – a model for every application. From entry level to sophisticated MPT1327 trunked variants, the HX Series 2.0 is built without compromise to deliver loud and crisp audio using the latest compander noise reduction technology.

Commercial Grade Construction – exceeding MIL STD 810C/D/E/F rating for tough enduring performance the HX Series 2.0 is designed to withstand shock, vibration, dust and moisture, ensuring many years of trouble free use in the most hostile environments.

Simple Or Sophisticated – you choose. Need simple speech communications? Then our entry level radio will meet all your needs. The advanced 8-Key & 20-Key radios are arguably the most versatile MPT1327 radios you can buy.

Intelligent Lithium-Ion Battery With Built In Charge Cycle Monitoring – this very latest technology gives you four essential advantages:

- 1) For your convenience the HX Series 2.0 will count charge cycles of your battery pack, warning you when it is nearing the end of its life. Models equipped with an LCD will also display the battery charge count.
- 2) Extended duty cycle.
- 3) Not prone to the dreaded memory effect that Nicad and Ni-MH battery packs suffer from, therefore no need to fully discharge your battery pack before charging.
- 4) Stores a charge up to three times longer than a Nicad battery.

Whisper Mode – when discreet communications are necessary, in covert or emergency situations, the HX series “whisper mode” will ensure that quiet speech can still be heard clearly by other radio users.

Intuitive Menus – the high tier display versions of the HX Series 2.0 radios offer extensive features which provide added user benefit, but without added operational complexity. Entel believes that even with advanced features a portable transceiver should be easy to use, so our new high tier range employs the kind of intuitive user interface that will be familiar to anyone who has used a mobile phone.

Safety Features – all but the PMR446 models in the HX Series 2.0 have additional safety options accessed either by programming (panic button with remote alert and Lone Worker), or by an additional options board (Man Down). Radios can also be programmed to respond to emergency situations in a variety of ways – by issuing a silent alarm, opening a “live” microphone, or continuing the alarm even if the radio is switched off.

Easy Text Messaging – with the 8-Key and 20-Key MPT1327 models in the HX Series 2.0 it is possible to send and display text messages and emails using the keypad.

Bluetooth (option) – for convenience, wireless transmit/receive is available on all models, allowing for connection of Entel's Bluetooth audio accessory range, as well as data transmission devices.

Location Information (option) – whether for convenience or security, all MPT1327 radios in the HX Series 2.0 offer Bluetooth indoor beacon positioning and outdoor GPS positioning options, for pinpointing the exact location of a user or navigating emergency assistance to the site of a disturbance or casualty.



Heavy duty locking accessory connector

Picture: Radio with optional stubby antenna and dual slot CSAHX rapid charger

Model Selection:



Entry

LCD

Keypad

MPT1327 VHF (66 - 88MHz)	HX412T	HX415T	HX416T
MPT1327 VHF (136 - 177MHz)	HX422T	HX425T	HX426T
MPT1327 VHF (174 - 208MHz)	HX432T	HX435T	HX436T
MPT1327 VHF (225 - 288MHz)	HX462T-U	HX465T-U	HX466T-U
MPT1327 UHF (400 - 470MHz)	HX482T	HX485T	HX486T
MPT1327 UHF (450 - 520MHz)	HX482T-U	HX485T-U	HX486T-U
MPT1327 UHF (806 - 850MHz)	HX492T	HX495T	HX496T
Land	See Land Brochure		
PMR446	See PMR446 Brochure		



Entry

LCD

Keypad

General Features

Environmental protection to IP55	✓	✓	✓
MIL STD 810C/D/E/F	✓	✓	✓
1800mAh Li-Ion battery	✓	✓	✓
Flash upgradeable to add future features	✓	✓	✓
Robust accessory socket	✓	✓	✓
Programmable accessory connector	✓	✓	✓
Number of channels	1023	1023	1023
Scrolling graphic LCD display	✗	✓	✓
Channel naming (in conventional mode)	✗	✓	✓
Multi-function encoder control	✗	✓	✓
Voice annunciation (option)	✓	✓	✓
Bluetooth wireless comms (option)	✓	✓	✓

For - Convenience

VOX hands free	✓	✓	✓
Call a group, individual or all radios at once	✓	✓	✓
16 pre-programmed contacts	✓	✗	✗
255 user contact list (just like a mobile phone)	✗	✓	✓
Multiple ringtones	✓	✓	✓
Battery charge count (requires LCD to display)	✓	✓	✓
Battery level indicator	✗	✓	✓
Low battery warning	✓	✓	✓
Receive signal strength indicator	✗	✓	✓
Invert display	✗	✓	✓
Intuitive menus (like a mobile phone)	✗	✓	✓
Info button (user guide built in to radio)	✗	✓	✓
Speed dial	✓	✓	✓
Who's calling (caller ID)	✗	✓	✓
Missed, received & dialled numbers lists	✗	✓	✓
Selectable "profiles" General, Silent & DND (with auto respond)	✗	✓	✓
DTMF dial mode	none	none	keypad

For - Security

Stun & alarm a lost or stolen radio (& revive if found)	✓	✓	✓
Programmable scrambler	✓	✓	✓
Power on password option	✗	✓	✓

For - Safety

Local Personal Attack Alarm	✓	✓	✓
Panic button with remote alert	✓	✓	✓
Emergency microphone live	✓	✓	✓
Lone Worker alarm mode	✓	✓	✓
Man Down basic (option)	✓	✓	✓
Whisper mode	✓	✓	✓
Silent alarm call mode	✓	✓	✓
Continue alarm even if switched off	✓	✓	✓
Manual location information with emergency	✗	✓	✓
Bluetooth fully automatic indoor location (option)	✓	✓	✓

For - Text Messaging And Emails

Status messages	send	send/display	send/display
Predefined text messages	none	send/display	send/display
Free format text/email text messages	none	display	send/display

'the professional's choice'



CSAHX



CSBHX



CMP450



Bluetooth



EA15/450



EA12/450



CXR5/450



CXRI6/450



CHP450D



CHP450HS

technical specifications

General Features

RF power output	VHF - 5 Watts (high) / 1 Watt (low)
	UHF - 4 Watts (high) / 1 Watt (low)
Frequency range VHF Mid	66 to 88MHz
Frequency range VHF High	136 to 174MHz
Frequency range VHF Band III	174 to 208MHz
Frequency range VHF	225 to 288MHz
Frequency range UHF	400 to 470MHz
Frequency range UHF u/band	450 to 520MHz
Frequency range UHF Tx	806 to 868MHz
	Rx 850 to 868MHz
Channels	1023
Environmental protection	IP55
Military Standard	MIL STD 810C/D/E/F
Dimensions*	100mm(h) x 62.5mm(w) x 39.5mm(d)
Weight	274g (with battery and aerial)
Audio output	700mW - distortion: < 3% @ 500mW

* Dimensions are based on radio with attached battery, excluding knobs, antenna and protrusions.

Supplied Accessories

7.4v, 1800mAh Li-Ion battery
Spring loaded belt clip
High efficiency antenna
User guide CD

For a full and detailed specification see our web site www.entel.co.uk



For the latest and complete range of accessories visit www.entel.co.uk