

'the professional's choice'



■ CSAHT



■ CSBHT



■ CMP750
● CMP850
▲ CMP950



■ EA19/750
● EA19/850
▲ EA19/950



■ EA15/750
● EA15/850
▲ EA15/950



■ EA12/750
● EA12/850
▲ EA12/950



■ CXR5/750
● CXR5/850
▲ CXR5/950



■ CXR16/750
● CXR16/850
▲ CXR16/950



■ CHP750D
● CHP850D
▲ CHP950D



■ CHP750HS
● CHP850HS
▲ CHP950HS

■ Not intrinsically Safe



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technical specifications

General Features

RF power output	VHF - 5 Watts (high) / 1 Watt (low) UHF - 4 Watts (high) / 1 Watt (low)
RF power output USTC	4 Watts (high) / 1 Watt (low)
RF power output ATEX	IIA 4 Watts IIB 3.5 Watts IIC 1 Watt
RF power output PMR446	0.5 Watts
Frequency range VHF Low	30 to 50MHz
Frequency range VHF Mid	66 to 88MHz
Frequency range VHF High	136 to 174MHz
Frequency range UHF	400 to 470MHz
Frequency range UHF u/band	450 to 512MHz
Frequency range PMR446	446.00625 to 446.09375MHz
Channels	See general features
Environmental protection	IP68 submersible 5m for 1 hour
Military Standard	MIL STD 810C/D/E
Duty cycle (5/5/90)	18 hours (high) / 24 hours (low)
Duty cycle PMR446 (5/5/90)	24 hours
Dimensions*	130mm(h) x 59.5mm(w) x 37mm(d)
Weight	277g (with battery and antenna)
Audio output	660mW - distortion: < 3% @ 500mW

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

Supplied Accessories

- 7.4v, 1800mAh Li-Ion battery
- CSAHT rapid charger is included with HTXX2, HTXX2S and PMR446 variants
- Spring loaded belt clip
- High efficiency antenna (non removable with PMR446 variants)
- User manual

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

Your local professional dealer



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LAND
MARINE
MPT1327

Entel

ATEX Intrinsically Safe
E Ex i b II C T4

USTC Intrinsically Safe

HT Series 2.0
Submersible
Intelligent
Tough



Entry + LCD - UHF + LCD - VHF + GMDSS + LCD + Entry + LCD + Keypad
See Marine Brochure See MPT1327 Brochure

HT series features



Pictured: Radio with optional stubby antenna and CSAHT rapid charger

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

Submersible – conforming to European IP68, the HT Series 2.0 offers the highest submersibility rating of any manufacturer. This unique series protects against corrosion, withstanding total immersion in water to a depth of 5 metres for 1 hour to protect against the likely hazards encountered in any field of operation.

Commercial Grade Construction – compliant to MIL STD 810C/D/E rating for tough enduring performance the HT 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 PMR or PMR446 radios will meet all your needs. Entel's mid-level radios give you all the facilities you might expect from our competitors' products, while our top of the range radio is arguably the most versatile radio you can buy.

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

- 1) For the convenience of the end user the HT Series 2.0 will count charge cycles of your battery pack and even warn you when you get close to expiration. Note: can only be displayed on LCD versions.
- 2) Huge 18 hour duty cycle (PMR446 - 24 hours).
- 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.

ATEX Approved – the HT Series 2.0 incorporates a complete range of ATEX certified portables that meet IIC, T4 – the most stringent ATEX rating as per EU directive 94/9/EC. For full details refer to the ATEX DATA SHEET available here: www.entel.co.uk/atex

USTC Approved – for outside EU and EFTA countries the HT Series 2.0 also offers a complete range of USTC certified portables. For full details refer to the USTC DATA SHEET available here: www.entel.co.uk/ustc

Model Selection:



PMR446 Variants

	✓	✓ no selcall			
Land VHF (30 - 50MHz)	HT702	HT702S	HT703	HT705	HT706
Land VHF (66 - 88MHz)	HT712	HT712S	HT713	HT715	HT716
Land VHF (136 - 174MHz)	HT722	HT722S	HT723	HT725	HT726
Land UHF (400 - 470MHz) [450 - 512MHz]	HT782 [HT782-U]	HT782S [HT782S-U]	HT783 [HT783-U]	HT785 [HT785-U]	HT786 [HT786-U]
MPT1327	See MPT1327 Trunked Brochure				
Marine	See HT Series Marine Brochure				
Land PMR446	HT446E		HT446L		
Land VHF (30 - 50MHz)	HT802	HT802S	HT803	HT805	HT806
Land VHF (66 - 88MHz)	HT812	HT812S	HT813	HT815	HT816
Land VHF (136 - 174MHz)	HT822	HT822S	HT823	HT825	HT826
Land UHF (400 - 470MHz) [450 - 512MHz]	HT882 [HT882-U]	HT882S [HT882S-U]	HT883 [HT883-U]	HT885 [HT885-U]	HT886 [HT886-U]
MPT1327	See MPT1327 Trunked Brochure				
Marine	See HT Series Marine Brochure				
Land VHF (30 - 50MHz)	HT902	HT902S	HT903	HT905	HT906
Land VHF (66 - 88MHz)	HT912	HT912S	HT913	HT915	HT916
Land VHF (136 - 174MHz)	HT922	HT922S	HT923	HT925	HT926
Land UHF (400 - 470MHz) [450 - 512MHz]	HT982 [HT982-U]	HT982S [HT982S-U]	HT983 [HT983-U]	HT985 [HT985-U]	HT986 [HT986-U]
MPT1327	See MPT1327 Trunked Brochure				
Marine	See HT Series Marine Brochure				
Land PMR446	HT952		HT953		

Variants

	✓	✓	✓	✓	✓
Land	✓	✓	✓	✓	✓
PMR446	✓	✗	✓ no selcall	✗	✗

General Features

Environmental protection to IP68 (submersible - 5m for 1 hour)	✓ PMR446	✓	✓ PMR446	✓	✓
MIL STD 810C/D/E	✓ PMR446	✓	✓ PMR446	✓	✓
1800mAh Li-Ion battery	✓ PMR446	✓	✓ PMR446	✓	✓
Flash upgradeable to add future features	✓ PMR446	✓	✓ PMR446	✓	✓
Robust accessory socket	✓ PMR446	✓	✓ PMR446	✓	✓
Programmable accessory connector	✗	✓	✓	✓	✓
Number of channels	16 PMR446	16	255 PMR446	255	255
Scrolling graphic LCD display	✗	✗	✓	✓	✓
Channel naming	✗	✗	✓	✓	✓
Multi-function encoder control	✗	✗	✓	✓	✓
3-Key keypad	✓ PMR446	✓	✓ PMR446	✗	✗
8-Key keypad	✗	✗	✗	✓	✗
Full keypad	✗	✗	✗	✗	✓
Voice announcement (option)	✓ PMR446	✓	✓ PMR446	✓	✓
Bluetooth wireless comms (option)	✓ PMR446	✓	✓ PMR446	✓	✓
Clone data from one radio to another	✓ PMR446	✓	✓ PMR446	✓	✓

For - Convenience

VOX hands free (with audio accessory)	✓ PMR446	✓	✓ PMR446	✓	✓
Programmable channel monitor button	✓ PMR446	✓	✓ PMR446	✓	✓
2/5 tone selective calling	✗	✓	✓	✓	✓
Open or Closed channel modes	✗	✓	✓	✓	✓
Call a group, individual or all radios at once	✗	✓	✓	✓	✓
16 pre-programmed contacts	✗	✓	✓	✗	✗
Multiple ringtones	✗	✓	✓	✓	✓
Battery charge count (requires LCD to display)	✓ PMR446	✓	✓ PMR446	✓	✓
Invert display	✗	✗	✓	✓	✓
Talkaround	✓	✓	✓	✓	✓
Intuitive menus (like a mobile phone)	✗	✗	✗	✓	✓
Info button (user guide built in to radio)	✗	✗	✗	✓	✓
Speed dial	✗	✗	✗	✓	✓
Who's calling (caller ID)	✗	✗	✗	✓	✓
255 user contact list (just like a mobile phone)	✗	✗	✗	✓	✓
Missed, received & dialed numbers lists	✗	✗	✗	✓	✓
Selectable "profiles" General, Silent & DND (with auto respond)	✗	✗	✗	✓	✓
DTMF dial mode	none	stored	stored	stored	stored/keypad

For - Security

Stun & alarm a lost or stolen radio (& revive if found)	✗	✓	✓	✓	✓
Programmable scrambler	✓ PMR446	✓	✓ PMR446	✓	✓
Power on password option	✗	✗	✓	✓	✓

For - Safety

Local Personal Attack Alarm	✓ PMR446	✓	✓ PMR446	✓	✓
Panic button with remote alert	✗	✓	✓	✓	✓
Emergency microphone live	✗	✓	✓	✓	✓
Automatic Lone Worker alarm mode	✗	✓	✓	✓	✓
Automatic Man Down alarm mode (option)	✗	✓	✓	✓	✓
Mandown basic (option)	✓	✓	✓	✓	✓
Mandown 3 axis/accelerometer (option)	✓	✓	✓	✓	✓
Shunting mode (for rail companies)	✗	✓	✓	✓	✓
Silent alarm call mode	✗	✓	✓	✓	✓
Continue alarm even if switched off	✗	✓	✓	✓	✓
Manual location information with emergency	✗	✗	✗	✓	✓
Fully automatic indoor location information (option)	✗	✗	✗	✓	✓
GPS location information with emergency (option)	✗	✗	✗	✓	✓
GPS "navigate to" casualty (option)	✗	✗	✗	✓	✓

For - Text Messaging And Emails

Send status messages	✗	✓	✓	✓	✓
Send/display status messages	✗	✗	✗	✓	✓
Send/display predefined text messages	✗	✗	✗	✓	✓
Display free format text/email text messages	✗	✗	✗	✓	✓
Send free format text messages	✗	✗	✗	✗	✓
Send free format email text messages	✗	✗	✗	✗	✓