LAND

Entel

ATEX ⟨Ex⟩ II 2 G Ex ib IIA T4
II 2 G Ex ib IIC T4

IECEx

Submersible

Intelligent

Tough

Man Down Alert

Calling for assistance....

SUBMERSIBLE

SUBMERSIBLE

SUBMERSIBLE

HT Series Features

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

Submersible - conforming to European rating IP68, the HT Series 2.0 offers the highest submersibility rating of any two-way portable radio. Uniquely able to withstand total immersion in water to a depth of 5 metres for 1 hour, Entel's HT Series 2.0 radios are therefore extremely resistant to corrosion, more than a match for the likely hazards encountered in any field of operation.

Commercial Grade Construction - exceeding MIL STD 810C/D/E/F 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 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 your convenience, the HT Series 2.0 will count the charge cycles of your battery pack, warning you when it is nearing the end of its life. Models equipped with an LCD screen 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

ATEX Approved IIC - The HT900 range of ATEX certified portables meets IIC T4, the most stringent ATEX ratings as required by the EU directive 94/9/EC. For full details, refer to the ATEX data sheet available here: www.entel.co.uk/atex.

ATEX Approved IIA - The HT800 range of ATEX certified portables meets IIA T4 with 4 watts RF power, for those users not restricted to the IIC 1 watt regulatory classification.

IECEx Approval - The HT500 range of intrinsically safe certified portables is suitable for those users who do not need to comply with the European ATEX standard.

Heavy duty locking accessory connector

SUBMERSIBLE

Model Selection:

		Entry	Entry Selcall	Entry LCD	Advanced Signalling	Adv Signalling Keypad
Not Intrinsically Safe	Land VHF (66 - 88MHz)	HT712	HT712S	HT713	HT715	HT716
	Land VHF (136 - 174MHz)	HT722	HT722S	HT723	HT725	HT726
	Land VHF (216 - 223MHz)	HT762	HT762S	HT763	HT765	HT766
	Land UHF (330 - 400MHz)	HT772	HT772S	HT773	HT775	HT776
	Land UHF (400 - 470MHz)	HT782	HT782S	HT783	HT785	HT786
	Land UHF (450 - 520MHz)	HT782U	HT782SU	HT783U	HT785U	HT786U
	Land UHF (800 - 870MHz)	HT792	HT792S	HT793	HT795	HT796
	MPT1327	See MPT1327 Trunked Brochure				
	Marine	See Marine Brochure				
	PMR446	See PMR446 Brochure				
IECEx Intrinsically Safe	Land VHF (66 - 88MHz)	HT512	HT512S	HT513	HT515	HT516
	Land VHF (136 - 174MHz)	HT522	HT522S	HT523	HT525	HT526
	Land UHF (400 - 470MHz)	HT582	HT582S	HT583	HT585	HT586
	Land UHF (450 - 520MHz)	HT582U	HT582SU	HT583U	HT585U	HT586U
	MPT1327	See MPT1327 Trunked Brochure				
	Marine	See Marine Brochure				
ATEX IIA Intrinsically Safe	Land VHF (66 - 88MHz)	HT812	HT812S	HT813	HT815	HT816
	Land VHF (136 - 174MHz)	HT822	HT822S	HT823	HT825	HT826
	Land UHF (400 - 470MHz)	HT882	HT882S	HT883	HT885	HT886
	Land UHF (450 - 520MHz)	HT882U	HT882SU	HT883U	HT885U	HT886
	MPT1327	See MPT1327 Trunked Brochure				
	Marine	See Marine Brochure				
ATEX IIC Intrinsically Safe	Land VHF (66 - 88MHz)	HT912	HT912S	HT913	HT915	HT916
	Land VHF (136 - 174MHz)	HT922	HT922S	HT923	HT925	HT926
	Land UHF (400 - 470MHz)	HT982	HT982S	HT983	HT985	HT986
	Land UHF (450 - 520MHz)	HT982U	HT982SU	HT983U	HT985U	HT986U
	MPT1327	See MPT1327 Trunked Brochure				
	Marine	See Marine Brochure				
	PMR446	See PMR446 Brochure				

Feature	Entry	Entry Selcall	Entry LCD	Adv Signalling	Adv Sig Keypad
General Features					
Environmental protection to IP68 (submersible - 5m for 1 hour)	✓	✓	✓	✓	✓
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	16	16	255	255	255
LCD display	✗	✗	✓	✓	✓
Scrolling graphics	✗	✗	✗	✓	✓
Channel naming	✗	✗	✓	✓	✓
Multi-function encoder control	✗	✗	✓	✓	✓
Scan/priority scan	✓	✓	✓	✓	✓
Voice annunciation (option)	✓	✓	✓	✓	✓
Bluetooth wireless comms (option)	✓	✓	✓	✓	✓
Clone data from one radio to another	✓	✗	✓	✗	✗
Voting	✗	✓	✗	✓	✓
Display custom logo at switch on	✗	✗	✓	✓	✓
For - Convenience					
VOX hands free	✓	✓	✓	✓	✓
Programmable channel monitor button	✓	✓	✓	✓	✓
2/5 tone selective calling	✗	✓	✗	✓	✓
Open or Closed channel modes	✗	✓	✗	✓	✓
Call all radios at once	✓	✓	✓	✓	✓
Call a group or individual radios	✗	✓	✗	✓	✓
16 pre-programmed contacts	✗	✓	✗	✗	✗
400 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	✗	✗	✓	✓	✓
Talkaround	✓	✓	✓	✓	✓
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	✗	✗	✗	✓	✓
4 "channel shortcut" buttons	✓	✓	✓	✓	✓
DTMF dial mode	none	stored	none	stored	stored/keypad
For - Security					
Stun a lost or stolen radio (& revive if found)	✗	✓	✗	✓	✓
Programmable scrambler	option	option	option	option	option
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)	✗	✓	✗	✓	✓
Shunting mode (for rail companies)	✗	✓	✗	✓	✓
Whisper mode	✗	✓	✗	✓	✓
Silent alarm call mode	✗	✓	✗	✓	✓
Continue alarm even if switched off	✗	✓	✗	✓	✓
Manual location information with emergency	✗	✗	✗	✓	✓
Bluetooth fully automatic indoor location (option)	none	send	none	send/display	send/display
For - Text Messaging					
Status messages	none	send	none	send/display	send/display

'the professional's choice'

■ CSAHT*

■ CSBHT*

■ CMP750
▲ CMP950

■ EA19/750
▲ EA19/950

■ EA15/750
▲ EA15/950

■ EA12/750
▲ EA12/950

■ CXR5/750
▲ CXR5/950

■ CXR16/750
▲ CXR16/950

■ CHP750D
▲ CHP950D

■ CHP750HS
▲ CHP950HS

*Used to charge ATEX models in a non hazardous-environment

■ **Not intrinsically Safe**

▲ **ATEX** ⟨Ex⟩ IECEx

Technical Specifications

General Specifications

RF power output	VHF - 5 Watts (high) / 1 Watt (low)
	UHF - 4 Watts (high) / 1 Watt (low)
RF power output ATEX	IIA 4 Watts
	IIC 1 Watt
RF power output IECEx	4 Watts (high) / 1 Watts (low)
Frequency range VHF Mid	66 to 88MHz
Frequency range VHF High	136 to 174MHz
Frequency range VHF	216 to 223 MHz
Frequency range UHF	330 to 400 MHz
Frequency range UHF	400 to 470 MHz
Frequency range UHF u/band	450 to 520 MHz
Frequency range UHF	800 to 870 MHz
Environmental protection	IP68 submersible 5m for 1 hour
Military Standard	MIL STD 810C/D/E/F
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 HTxx3

Spring loaded belt clip

High efficiency antenna

User guide CD

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