

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.

**Superior Audio Quality** - The HT Series 2.0 delivers loud, crisp audio using the latest compander noise reduction technology no matter what environment you are in.

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

- For your convenience the HT 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.
- 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.

**Submersible** - Conforming to European IP68, the HT Series 2.0 offers the highest submergibility 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.

ATEX Approved IIC - The HT900 range of ATEX certified portables meet IIC T4 - the most stringent ATEX ratings as per EU directive 94/9/EC. For full details refer to the ATEX DATA SHEET available here: www.entel.co.uk/atex

**ATEX Approval IIA** - The HT800 range of ATEX certified portables meet IIA T4 with 4 watts RF power, for those users not resticted to the IIC I watt regulatory classification.

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

**MED Approved** - Our HT649 GMDSS portable is MED certified and carries the essential Wheel Mark logo. For those requiring a full featured GMDSS portable, with high visibility back-lit LCD, the HT649 is one of the most advanced GMDSS portable available.



@ = MED approved

Heavy duty locking

A/B MEM

SUBMERSIBLE

accessory connector



Not Marine VI
Intrinsically Land
Safe PMR446

 Marine VHF (156-163.275MHz)
 HT642
 HT644
 HT644 ATIS
 HT649

 Marine UHF (400 - 470MHz)
 HT782
 HT783

 Land
 See Land Brochure

 PMR446
 See PMR446 Brochure

 MPT1327
 See MPT1327 Brochure



 Marine VHF (156-163.275MHz)
 HT542
 HT544

 Marine UHF (400 - 470MHz)
 HT582
 HT583

 Land
 See Land Brochure

 MPT1327
 See MPT1327 Brochure



Marine VHF (156-163.275MHz)	HT942		HT944	HT944 ATIS
Marine UHF (400 - 470MHz)	HT982	HT983		
Land	See Land Brochure			
PMR446	See PMR446 Brochure			
MPT1327	See MPT1327 Brochure			

ATEX	(Ex)
IIA	CY
Intrinsical	v Safe

	Marine VHF (156-163.275MHz)	HT842		HT844	HT844 ATIS
1	Marine UHF (400 - 470MHz)	HT882	HT883		
	Land	See Land Brochure			
3	MPT1327	See MPT1327 Broch	iure		



<sup>\*\*</sup> A full-featured version of the LCD VHF is available as a special order.

### Example of classification, based on IIC, I Watt:

- Ex Explosion proof equipment
- i Intrinsically Safe the energy levels in the circuits cannot cause accidental detonation
- II For use in areas where there is some risk of detonation
- C The most hazardous gas grouping, including hydrogen and acetylene
- T4 Based on the surface temperature not exceeding 135°C.

## **Area classification**

- **Zone I** covers areas where the environment is occasionally hazardous
- Zone 2 covers areas where the environment is only rarely hazardous, and then only for brief periods.



Pictured: UHF ATEX variant with stubby antenna

# 'the professional's choice'



■ CSAHT





■ CMP750 ▲ CMP950



EA19/750 EA19/950



■ EA15/750 ▲ EA15/950



EA12/750 EA12/950



■ CXR5/750▲ CXR5/950



CXR16/950



■ CHP750D▲ CHP950D



■ CHP750HS ▲ CHP950HS









# **Technical Specifications**

# **General Specifications**

RF power output	VHF	5W (high) / IW (low)		
	UHF	4W (high) / I W (low)		
	GMDSS	IW		
RF power output ATEX	IIA	4W (UHF) / 4W (VHF)		
	IIC	IW		
RF power output IECEx	4W (high) / I W (low)			
Frequency range VHF	156 to 163.275MHz INT, USA, CAN			
Frequency range UHF	400 to 470MHz			
Frequency range UHF u/band	450 to 520MHz			
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 aerial)			
Audio output	IW typ. 8 ohm load			

<sup>\*</sup> Dimensions are based on radio with attached battery, excluding knobs, antenna and protrusions.

# **Supplied Accessories**

7.4v, 2000mAh Li-Ion battery (Except for ATEX models which have 1800mAh)\*\*

Trickle charger (except for HT649/PI)

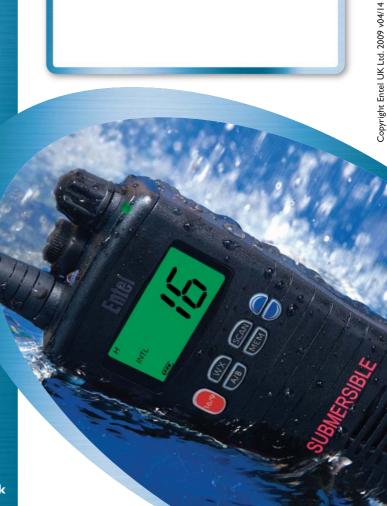
Spring loaded belt clip\*\*

High efficiency antenna

User Guide

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

Your local professional dealer



<sup>\*\*</sup> GMDSS models can be supplied in different package combinations. Please consult your local dealer.