MARINE

Entel

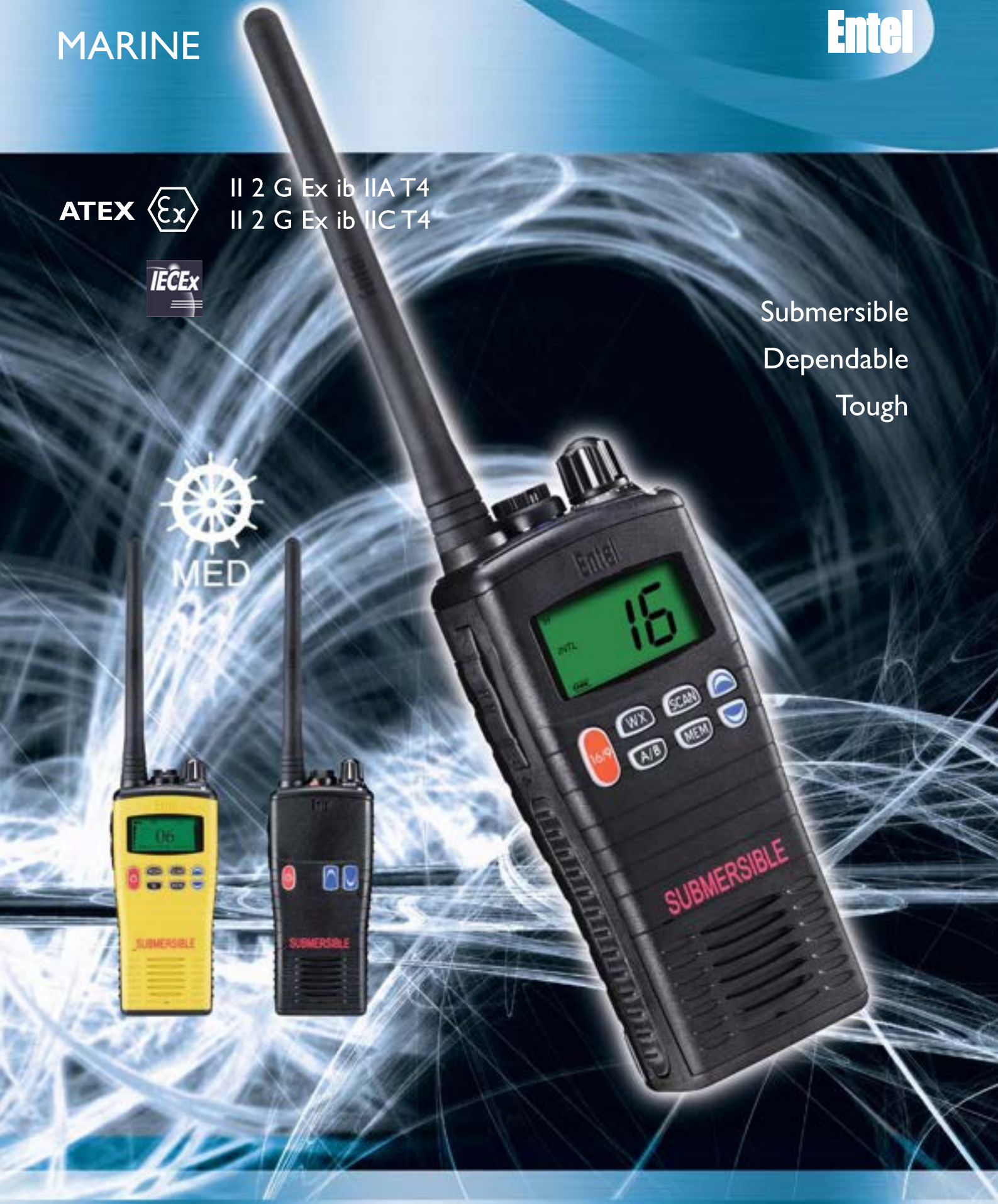
ATEX

II 2 G Ex ib IIA T4
II 2 G Ex ib IIC T4

IECEx

Submersible
Dependable
Tough

MED



HT Series 2.0

HT Series Features

Pictured: Radio with optional CSAHT trickle charger

HT Marine Series 2.0 - Superseding the multi award-winning HT series 1.0 is a challenging task considering its success with fire brigades, petrochem, shipping and major blue chip organisations worldwide. Series 2.0 builds upon this success with a wider range of models to suit every application from simple to advanced. Built to last, the HT Series 2.0 is designed to endure the everyday rigours of life at sea.

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.

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:

1) 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.
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.

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 1 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.

Model Selection:

= MED approved

		Entry	LCD UHF	LCD VHF	LCD VHF ATIS	LCD GMDSS
Not Intrinsically Safe	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				
IECEx Intrinsically Safe	Marine VHF (156-163.275MHz)	HT542		HT544		
	Marine UHF (400 - 470MHz)	HT582	HT583			
	Land	See Land Brochure				
	MPT1327	See MPT1327 Brochure				
ATEX IIC Intrinsically Safe	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 IIA Intrinsically Safe	Marine VHF (156-163.275MHz)	HT842		HT844	HT844 ATIS	
	Marine UHF (400 - 470MHz)	HT882	HT883			
	Land	See Land Brochure				
	MPT1327	See MPT1327 Brochure				

	Entry	LCD UHF	LCD VHF	LCD VHF ATIS	LCD GMDSS
General Features					
Environmental protection to IP68 (submersible - 5m for 1 hour)	✔	✔	✔	✔	✔
MIL STD 810C/D/E/F	✔	✔	✔	✔	✔
Li-Ion battery	✔	✔	✔	✔	✔
Flash upgradeable to add future features	✔	✔	✘	✔	✔
Channel capacity	16	255	INT, USA, CAN	INT, USA, CAN	INT, USA, CAN
Private channels	✔	✔	✔	✔	✔
Robust accessory connector	✔	✔	✔	✔	✔
LCD display**	✘	✔	✔	✔	✔
Channel naming	✘	✔	✘	✔	✘
For - Convenience					
Low battery warning	✔	✔	✔	✔	✔
VOX hands free	✔	✔	✔	✔	✔
Battery charge count (requires LCD to display)	✔	✔	✘	✔	✘
Receive signal strength indicator	✘	✔	✘	✔	✔
For - Security					
Programmable scrambler (voice inversion)	✔	✔	✘	✘	✘

** A full-featured version of the LCD VHF is available as a special order.

Example of classification, based on IIC, 1 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 1 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

■ 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

■ **Not intrinsically Safe**

▲ **ATEX** IECEx

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

Technical Specifications

General Specifications

RF power output	VHF	5W (high) / 1W (low)
	UHF	4W (high) / 1 W (low)
	GMDSS	1W
RF power output ATEX	IIA	4W (UHF) / 4W (VHF)
	IIC	1W
RF power output IECEx	4W (high) / 1 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	1W typ. 8 ohm load	

* 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/P1)

Spring loaded belt clip**

High efficiency antenna

User Guide

** GMDSS models can be supplied in different package combinations. Please consult your local dealer.

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

Your local professional dealer

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