

Business  
Critical  
Communications

Entel

# HT Series

Commercial Grade Marine Portables

 Commercial grade construction

 GMDSS Model

 EN60945 Approved

 Submersible IP68

Tough | IP68  
RATING  
Submersible  
Dependable



# HT Series

## Commercial Grade Marine Portables

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Rugged, designed for gloved hand use and with exceptionally loud audio, Entel's HT Commercial Marine portable radios are specifically designed to withstand the everyday rigours of the Maritime workplace.

With over 30-Years' experience exceeding the demands of the Maritime Workplace, Entel offers the most complete and established range of Commercial Marine portable radios available. Versions include: VHF, UHF and GMDSS.

## Why Entel HT Commercial Marine portables?

Superior voice quality and volume

IP68 (2 metres depth for 4 hours) submersible

MIL-STD C/D/E/F/G standard robust construction

High capacity (2200 mAh) Li-ion batteries as standard

Established & proven portables based on over 30-Years' experience

### Superior Audio

Using the latest compander noise reduction technology, Entel's Commercial Marine portables deliver loud & crisp audio no matter what environment you are in.

### Commercial Grade Construction

Exceeding MIL-STD 810/C/D/E/F/G rating, the HT Series 2.0 is designed to withstand shock, vibration, dust and moisture, ensuring a tough enduring performance and many years of trouble free use, even in the most hostile environments.

### Intelligent Li-ion Battery

Entel's Lithium-ion Batteries provide the following key advantages:

**Extended Talk Time** – The 2200mAh Li-ion capacity of Entel's Lithium-ion batteries is up-to double that of other makes, therefore ensuring maximum talk-time.

**Li-ion Chemistry** – Entel's Li-ion batteries are not prone to the dreaded memory effect that Ni-Cad and Ni-MH battery packs suffer from. This ensures that you always have a good charge every time you take the battery from its charger.

### 2 Metres, 4 Hours Submersible

Conforming to IP68 standard, 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 2 metres for 4 hours to protect against the likely hazards encountered in any field of operation.

### GMDSS MED

The HT649 GMDSS is a MED certified survival craft radio that carries the essential Wheel Mark logo. It's designed to function in the most extreme and harshest of environments and meets the strict environmental requirements for GMDSS radios.

**The HT649 is available in two packages:**

#### PACK 1



includes HT649 radio & Primary (emergency) battery.

#### PACK 2 AS PACK 1 PLUS

Secondary (rechargeable) battery and charger.

## Model Selection



		Region	Entry	LCD UHF	LCD VHF	LCD GMDSS
 <b>Not Intrinsicly Safe</b>	VHF Marine INT/USA/CAN	EU	–	–	HT644	–
	Marine UHF	EU	HT782M	HT783M	–	–
	Marine UHF	Non EU	HT782	HT783	–	–
 <b>MED, GMDSS Approved</b>	VHF Marine	EU	–	–	–	HT649
IP68 2 METRES for 4 Hours Submersible			✓	✓	✓	✓
MIL-STD 810 C/D/E/F/G			✓	✓	✓	✓
High-Capacity Li-ion Battery			✓	✓	✓	✓
Flash Upgradable (to add new features)			✓	✓	–	✓
Channel Capacity			16	255	INT/USA/ CAN	INT/USA/ CAN
Private Channels			✓	✓	✓	✓
Low Battery Warning			✓	✓	✓	✓
Channel Naming			–	✓	–	–
VOX (hands free operation)			✓	✓	✓	✓

# Technical Specification

General		
Frequency Range	VHF	156-163.27Mhz (INT,USA,CAN)
	UHF	450-470Mhz
Channel Spacing	12.5KHz & 25Khz	
Operating Voltage	7.6v	
Battery	CNB750E 2200mAh Lithium-ion	
Weight	Display model 277g Non display model 267g	
Overall Dimensions (HxWxD)	130mm x 59.5mm x 37mm	
Channels	VHF INT/USA/CAN mode plus private UHF 255	
Channels non display version	UHF	16
Transmitter		
Power Output VHF (HI/LOW)	5W/1W	
Power Output UHF (HI/LOW)	2W/1W	
HT649 GMDSS	<1W ERP	
Audio Distortion	<5%	
Unwanted Emission	>0.25uW	
Adjacent Channel Power	70dBc / 60dBc	

Receiver	
Analogue Sensitivity	-116dBm (0.2uV) for 12dB Sinad
Rated Audio Output	0.5 watts
Intermodulation Response	>68dB
Adjacent Channel Sensitivity	>70dB / >60dB
Spurious Rejection	>70dB / >60dB
Audio Response	300Hz to 3KHz -6dB/Octave
Audio Distortion	<5%
Conducted Spurious Emissions	<2nW from 30Mhz to 2GHz
Environmental	
Operating Temperature	-20°C to +55°C
Storage Temperature	-40°C to +85°C
Thermal Shock	Compliant MIL-STD810 C/D/E/F/G
Humidity	
Shock & Vibration	
Packing Test	
Drop Test	
Water Ingress	IP68 2 metres, 4 hours submersible

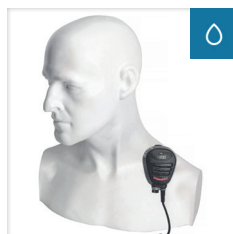
## Accessories

Supplied package includes:

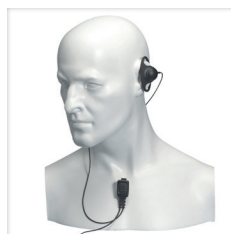
2200mAh Li-ion battery pack, drop in charger, spring loaded belt clip, high efficiency antenna & quick start user guide



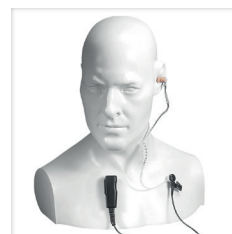
**CSBHT**  
Six-way charger



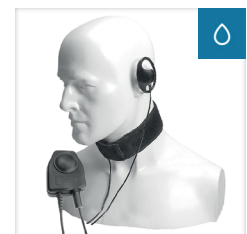
**CMP750**  
Heavy duty speaker mic submersible



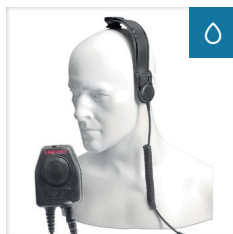
**EA12/750**  
Earpiece microphone



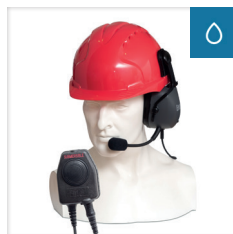
**EA15/750**  
Covert earpiece / microphone




**CXR16/750\***  
Throat mic. Bone conductive



**CXR5/750\***  
Skull mic. Bone conductive



**CHP750HS\***  
Hard hat eardefender, submersible PTT

 Submersible products are represented with a water droplet.

For the complete range of accessories please visit our website. All specifications are subject to change without notice.

\* Submersible - PTT only

Full list of accessories available online.

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## Contact

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