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

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
Not Intrinsically Safe	VHF Marine INT/USA/CAN	EU	–	–	HT644	–
	Marine UHF	EU	HT782M	HT783M	–	–
	Marine UHF	Non EU	HT782	HT783	–	–
MED, GMDSS Approved	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 UHF	156-163.27Mhz (INT,USA,CAN) 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

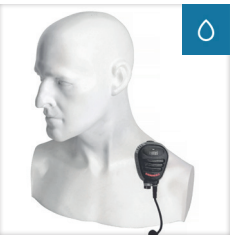
Receiver	
Analogue Sensitivity	-116dBm (0.2uV) for 12dB Sinad
Rated Audio Output	0.5 watts
Intermodulation Response	>68dB
Adjancent Channel Sensitivity	>70dB / >60dB
Surprious Rejection	>70dB / >60dB
Audtio Response	300Hz to 3KHz -6dB/Octave
Audio Distortion	<5%
Conducted Spurious Emissions	<2nW from 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

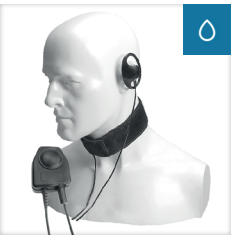
CSBHT
Six-way charger



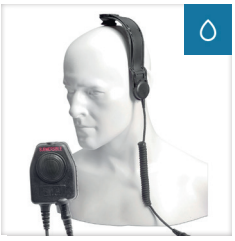
CMP750
Heavy duty speaker mic submersible

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

Designed in the United Kingdom

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