Business
Critical
Communications

Entel

# HT Series

## Commercial Grade Land Portables

- Commercial grade construction
- Submersible IP68
- PMR446 and Licensed models

Tough | IP68 RATING
Submersible
Dependable

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# HT Series

## Commercial Grade Land Portables

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

With over 30-Years' experience exceeding the demands of our customers, Entel offers the most complete and established range of commercial grade portable radios available.

## Why Entel HT portables?

- Superior voice quality and high audio output
- IP68 (2 metres for 4 hours) submersible
- MIL-STD 810/C/D/E/F/G standard robust construction
- High capacity (2200mAh) 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 HT portables deliver loud & crisp audio no matter what environment you are in.

### Intelligent Li-ion Battery

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

**Extended Talk Time** – The 2200mAh 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 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, 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.

### Commercial Grade Construction

Exceeding MIL-STD 810C/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.

### Easy to operate

The HT Series radios are intuitive to operate with simple Push-To-Talk operation.

The display models provide useful additional feedback via their LCD display.

### Fixed Price Repair Service

Entel offers a simple Fixed Price Repair (FPR) service where the cost to repair your Entel product is fixed regardless of the fault.

We typically dispatch our repairs within 3 working days of receipt, most often same day. All FPR repairs carry a 90-day warranty and FPR upgrades 2-years. Should the unit be returned to Entel within this time it will be repaired under warranty (terms and conditions apply).

Some units maybe Beyond Economical Repair (BER) e.g., if the radio has been crushed. In this case Entel offer new BER replacement units at a discounted rate.

# Model Selection

| Model Variants | | Entry | LCD |
|---|---|---|---|
| **VHF** | 136-174MHz | HT722 | HT723 |
| **UHF** | 400-470MHz | HT782 | HT783 |
| **UHF** | PMR446 | HT446E | HT446L |

# Technical Specification

| General | | |
|---|---|---|
| Frequency Range | VHF<br>UHF<br>PMR446 | 136-174MHz<br>400-470MHz |
| Channel Spacing | 12.5KHz & 25Khz | |
| Operating Voltage | 7.6v | |
| Battery | CNB750E 2200mAh Lithium-ion | |
| Weight | Display model 277g<br>Non display model 267g | |
| Overall Dimensions (HxWxD) | 130mm x 59.5mm x 37mm | |
| Channel display version<br>Channel non display version | 255<br>16 | |
| **Transmitter** | | |
| Power Output VHF (HI/LOW) | 5W/1W | |
| Power Output UHF (HI/LOW) | 4W/1W | |
| Power Output PMR446 | 0.5W | |
| Audio Distortion | <5% | |
| Unwanted Emission | >0.25uW | |
| Adjacent Channel Power | 70dBc / 60dBc | |

| Receiver | |
|---|---|
| Analogue Sensitivity | -116dBm (0.2uV) for 12dB Sinad |
| Rated Audio Output | 0.5W |
| Intermodulation Response | >68dB |
| Adjancent Channel Sensitivity | >70dB / >60dB |
| Surprious Rejection | >70dB |
| 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

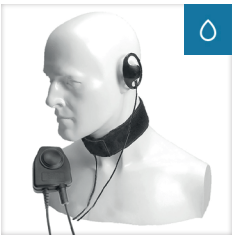
Supplied package includes:
2200mAh Li-ion battery pack, drop in charger, spring loaded belt clip, high efficiency antenna & quick start user guide

**CSBHT**
Six-way charger

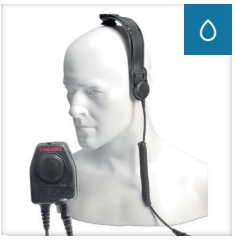
**CMP750**
Heavy duty speaker mic submersible

**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

**Designed in the United Kingdom**

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