HT Series
Marine
Business Critical Communications

Commercial Grade
MED Approved
ATEX II2 G Ex ib IIC
ATEX II2 G Ex ib IIA
Ex ib IIA T4

Tough | IP68 RATING
Submersible
Dependable

www.entel.co.uk
Why Entel HT Commercial Marine portables?

Superior voice quality and volume
IP68 (2 metres depth for 4 hours) submersible
MIL-STD 810/C/D/E/F standard robust construction
High capacity (2000 mAh) Li-Ion batteries as standard
Established & proven portables based on over 20-Years’ experience

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.

Intrinsically Safe
ATEX Approved IIC - The HT900 range of ATEX certified portables meet IIC T4.
ATEX Approved IIA - For those users not restricted 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.

GMDSS MED
Entel’s HT649 GMDSS portable is MED certified and carries the essential Wheel Mark logo. Designed for those requiring a full featured and outstandingly tough GMDSS portable, the HT649 is one of the most advanced MED certified GMDSS portables available.

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.

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 810C/D/E/F 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 2000mAh 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.
### Model Selection

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<thead>
<tr>
<th></th>
<th>REGION</th>
<th>ENTRY</th>
<th>LCD UHF</th>
<th>LCD VHF</th>
<th>LCD VHF ATIS</th>
<th>LCD GMDSS</th>
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<tr>
<td><strong>NOT INTRINSICALLY SAFE</strong></td>
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<td>HT642</td>
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<td>HT944</td>
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<td>HT883</td>
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<td><strong>IECEx INTRINSICALLY SAFE</strong></td>
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<td>HT544</td>
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<td>HT583</td>
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<td><strong>GMDSS APPROVED</strong></td>
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- **IP68 2 METRES FOR 4 HOURS SUBMERSIBLE**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **MIL-STD 810 C/D/E/F**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **HIGH-CAPACITY LI-ION BATTERY**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **FLASH UPGRADEABLE (TO ADD NEW FEATURES)**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **CHANNEL CAPACITY**
  - 16 255 INT/USA/CAN INT/USA/CAN INT/USA/CAN
- **PRIVATE CHANNELS**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **LOW BATTERY WARNING**
  - ✓ ✓ ✓ ✓ ✓ ✓
- **CHANNEL NAMING**
  - — ✓ — ✓ —
- **VOX (HANDS FREE OPERATION)**
  - ✓ ✓ ✓ ✓ ✓ ✓

*HT644 not flash upgradable*
Technical Specification

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<th>General Specification</th>
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<td>Power Output HT6 Series</td>
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<tr>
<td>Frequency range UHF</td>
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<td>Frequency range UHF UP Band</td>
<td>Power Output HT9 Series</td>
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<td>Channel Spacing</td>
<td>Power Output HT5, HT8 Series VHF</td>
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<tr>
<td>Operating Voltage</td>
<td>Power Output HT5, HT8 Series UHF</td>
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<tr>
<td>Battery</td>
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<td>Weight (with battery)</td>
<td>Rated Audio Output</td>
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<tr>
<td>Dimensions*</td>
<td>Intermodulation</td>
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<tr>
<td>Frequency Stability</td>
<td>Adjacent Channel Selectivity</td>
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<td>Operating Temperature</td>
<td>Spurious Response Rejection</td>
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<tr>
<td>Dust and Liquid Intrusion</td>
<td>Spurious Radiations</td>
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* Dimensions are based upon a radio with an attached battery, excluding knobs, antenna and protrusions.

For a full & detailed specification, please visit our website.

Accessories

Supplied package includes:
2000mAh Li-Ion battery pack, charger, spring loaded belt clip, high efficiency antenna & quick start user guide
(ATEX & IECEx models are supplied with an 1800mAh 7.4v Li-Ion Battery)

HT649 GMDSS can be supplied in different package combinations, please consult your dealer.

Contact

For more information about our products please contact us:
+44 (0)20 8236 0032  info@entel.co.uk  entel.co.uk

Submersible products are represented with a water droplet.

Not intrinsically safe.
Intrinsically safe.