

# NEW MARKET SUCCESS

# Entel

## Entel HT644 GMDSS Portable - Commercial Grade, Affordable, User Friendly.

### WHY?

- Fully compliant to IMO standards.
- Competitive price
- Lithium battery technology

### Available In Two Packages

#### Package 1

- Radio
- Primary battery (CLB750G)
- High efficiency antenna
- User manual

#### Package 2

- Radio
- Primary battery (CLB750G)
- Secondary battery (CNB750E)
- Trickle charger (CCA230/CCA110/CCA12)
- High efficiency antenna
- User manual

For more information contact

[intsales@entel.co.uk](mailto:intsales@entel.co.uk)

or call us on

**+44 20 8236 0032**

### WHAT MAKES THIS PORTABLE SUPERIOR TO ITS COMPETITORS?

- Only GMDSS portable radio rated IP68 (submersible to 5m for 1 hour) our competitor's radios are only IP67 (submersible to 1 meter for 30 mins)
- MIL-STD 810C/D/E/F construction. The videos on our website speak for themselves. [www.entel.co.uk/video](http://www.entel.co.uk/video)
- Exceptionally loud audio
- High visibility back-lit LCD
- Full 4 year battery expiry for the end-user



**More Information At:**  
[www.entel.co.uk](http://www.entel.co.uk)

# HT644 Specifications



## GENERAL

<b>Frequency Range</b>	156 - 163.275MHz
<b>Channels</b>	All International Channels
<b>Channel Spacing</b>	25 kHz
<b>Communication Method</b>	Simplex
<b>Antenna</b>	High efficiency helical
<b>Antenna Impedance</b>	50 ohm
<b>Battery Type</b>	Lithium battery pack
<b>Power Supply Voltage</b>	7.4V DC
<b>Battery Life</b>	8 Hours
<b>Current Drain (nominal)</b>	Standby 40mA; RX: 390 mA; 1.0 W audio output (1kHz) TX: Less than 1 A at 2W, 0.7 A at 1W.
<b>Duty Cycle</b>	TX: 10%, RX 10 %, Standby: 80%
<b>Microphone</b>	Internal condenser microphone
<b>Operating Temperature</b>	-20°C to 60°C
<b>Dimensions</b>	Height = 130mm (145mm including knobs);
	Width = 59.5mm (62mm including protrusions);
	Diameter = 37mm (41mm including battery protrusions)
<b>Weight</b>	Less than 300g.

## TRANSMITTER

<b>Frequency Range</b>	156.025 - 157.425
<b>Power Output</b>	Selectable: HIGH = 5W, LOW = 1W
<b>Modulation</b>	16K0G3E
<b>Oscillator Method</b>	PLL
<b>Frequency Stability</b>	±2PPM
<b>Maximum Deviation</b>	±5 kHz
<b>Audio Distortion</b>	< 5% (1 kHz 60%)
<b>Spurious Emissiong</b>	-55db
<b>Hum &amp; Noise</b>	-40 [dB]

## RECIEVER

<b>Frequency Range</b>	156 - 163.275MHz
<b>Receiver Type</b>	Double Super Heterodyne type
<b>Sensitivity</b>	<0.25uV (12dB SINAD)
<b>Frequency Stability</b>	±2PPM
<b>Spurious Rejection</b>	-60 dB
<b>Adjacent Channel Selectivity</b>	-70 dB
<b>Distortion</b>	< 3% Typical
<b>Hum &amp; Noise</b>	-40 dB
<b>Audio Output</b>	1W
<b>Speaker Size</b>	38 mm

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