

# HT644

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## Quick Start User Guide



Designed in the United Kingdom

**Entel**

# HT644

## INTRODUCTION

The Entel HT644 is a professional IP68 submersible marine handheld radio that operates on the VHF marine band. The HT644 has 56 marine international channels, 10 weather and 36 dealer programmable private channels.

This quick guide provides basic guidance for operating your radio. A full version of this user guide is available to download from our website, [www.entel.co.uk](http://www.entel.co.uk)

To meet your exact requirements the radio may have been customised by your Entel dealer. These features will be explained in a separate guide issued by the dealer.

### PACKING LIST

HT644	Marine VHF radio
CNB750E	Rechargeable Li-Ion battery
CBH750	Spring loaded belt clip
CCAHT	Trickle charger pod
CAT40	High efficiency antenna
CWCHT	Mains adaptor
LY600	Lanyard
ASPACKCAHV3	Bulkhead screw and spacer kit

## OPTIONAL ACCESSORIES

### Attaching and removing accessories

- To attach an accessory, remove the accessory cover by unscrewing the locking screw anti-clockwise (leave the cover attached or store in a safe place).
- Plug the accessory into the socket, then carefully tighten the locking screw clockwise until finger tight (do not overtighten or use any implement)



- To remove an accessory, unscrew the locking screw of the accessory by hand in an anti-clockwise direction. Ensure you re-fit the accessory socket cover (the radio is not submersible without the socket covered).

## BATTERY INFORMATION

### Battery charging

- Connect the AC adapter to the charger pod and plug in.
- Turn the radio off.
- Insert the battery pack into the charger pod, either with or without the radio attached. The charger LED status light changes to red and charging begins.
- When charging is complete the charger status LED changes from red to green (a fully discharged battery pack will take approximately 6 hours to recharge).
- For standby / emergency operation charge the battery once a week
- If the battery is used infrequently, e.g. leisure use, ensure it is charged at least once a month.

### CAUTION

## BATTERY PACK PRECAUTIONS

- Do not recharge the battery pack if it is already fully charged. Doing so may reduce the life of the battery pack.
- After charging is complete, remove the battery from the charger.
- Please ensure that the radio is turned off before placing it in the charger and never switch a radio on whilst in the charger.
- Only use Entel branded battery packs and chargers.
- Do not short the battery terminals or dispose of the battery in a fire.
- Do not charge the radio and/or battery pack if they are wet.

### DANGER

## DO NOT DISASSEMBLE OR MODIFY THE BATTERY IN ANY WAY!

Your Entel battery pack incorporates a safety circuit to avoid danger, if the safety circuit is damaged or bypassed, or the battery cells are damaged directly, they may generate extreme heat, smoke, rupture and emit flames.

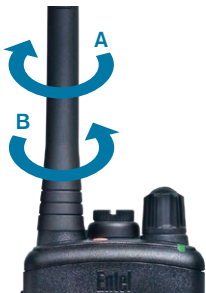
## CONTROLS & INDICATORS



1. On/off knob. Rotate to turn the radio on or off, rotate clockwise to increase volume
2. **MEM Button:** Memorises a desired channel for scanning  
**SCAN Button:** Starts/stops scanning the memorized channels  
**WX Button:** Immediately recalls the weather channels  
**A/B Button:** Provides instant access to preassigned channels (if programmed)
3. Channel control
4. Push To Talk (PTT) button. Press to speak and release to listen
5. **16/9 Button:** Short press selects channel 16 and a longer press selects channel 9
6. Toggle high/low transmitter power
7. Short press toggles LCD and keypad backlight on/off. Long press toggles keypad lock on/off
8. Monitor momentarily (squelch defeat)
9. LED Indicator  
**Red steady** - Transmitting  
**Red flashing slowly** - Battery needs recharging  
**Green steady** - Receiving
10. Microphone

## PREPARING YOUR RADIO FOR USE

### Attaching / removing the antenna



1. To attach, carefully align the antenna with the socket. Screw in the antenna and clockwise (taking care not to cross the thread) until it is seated firmly with the accessory cover's rubber ring between the antenna and the top of the radio. (A)
2. To remove, unscrew the antenna anti-clockwise. (B)

### Attaching / removing the battery pack



1. To attach, locate the pegs on the bottom of the battery into the slots on the radio and press the top of the battery against the radio. Secure battery by tightening the screw clockwise by hand. (Do not use any implement or overtighten). (C)
2. To remove, unscrew the locking screw anti-clockwise and pull the battery away from the top of the radio. (D)

## SWITCHING ON, RECEPTION AND SWITCHING OFF

1. To switch on, rotate the on/off/volume control (1) on the top of the radio clockwise.
2. The radio will enter standby mode. This is indicated by the LED Amber flashing once every 5 seconds, signalling that the radio is ready for use.
3. Adjust the volume control (1) to select the desired volume level.
4. Using the channel buttons (3) ensure you have the correct channel selected.
5. When receiving a valid signal, the LED will illuminate steady green and audio will be emitted from the radio's speaker or audio accessory (if attached)
6. When finished using the radio, switch off by turning the on/off/volume control (1) until it clicks and the radio will be switched off.

## TRANSMITTING

1. Perform steps 1 through to 5 of 'Switching On, Reception and Switching Off.'
2. Before transmitting, monitor the channel and make sure it is clear.
3. When receiving a signal, wait until the signal stops before transmitting. The radio cannot transmit and receive simultaneously.
4. Press the PTT (Push To Talk) button (4) to begin your transmission. To confirm transmission the LED illuminates red.
5. For best transmitted speech quality you must talk directly into the radio's microphone (10) at around 4cm between your mouth and the radio.
6. Please note: if you talk into the top of the radio or with your mouth further away, you will transmit poor quality speech.
7. When the transmission is finished, release the PTT button.

## EU DECLARATION OF CONFORMITY

Hereby, Entel UK Limited  
Declares that the radio equipment type  
HT644 is in compliance with  
Directive 2014/53/EU  
The full text of the EU declaration of  
conformity is available at the following  
internet address:  
[www.entel.co.uk/red](http://www.entel.co.uk/red)