

# HT649

## Quick Start User Guide



Designed in the United Kingdom

**Entel**

### INTRODUCTION

The Entel HT649 is a GMDSS IP68 submersible marine handheld radio that operates on the VHF marine band and has 19 channels.

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

##### PACKAGE 1

HT649	Marine VHF radio
CLB750G	Primary battery
CAT40	High efficiency antenna
LY600	Lanyard

##### PACKAGE 2 AS PACKAGE 1 PLUS

CNB750E	Rechargeable Li-Ion battery (secondary)
CCAHT	Trickle charger pod
CWCHT	Mains adaptor
CWCHT12	12v charger lead
ASPACKCAHV3	Bulkhead screw and spacer kit

### OPTIONAL ACCESSORIES

#### Attaching and removing accessories

- 1.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).
- 2.Plug the accessory into the socket, then carefully tighten the locking screw clockwise until finger tight (do not overtighten or use any implement)
- 3.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

#### Primary (CLB750G - Yellow) battery use

- 1.This is a non-rechargeable, single use Lithium battery
- 2.The battery is supplied with a security seal that must only be removed immediately before use
- 3.An expiry date is printed on the battery. Regularly check the date of your batteries and replace as required. Immediately, and safely, dispose of any out-of-date batteries.

#### Secondary (CNB750E - Black) battery charging

- 1.Connect the AC adaptor or 12V charging lead to the charger pod and plug in
- 2.Turn the radio off and 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
- 3.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)

#### 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 button. Press and hold to turn the radio on or off
- 2. **MEM Button:** Adds / removes the currently selected channel to / from the scan list.
- SCAN Button:** Starts/Stops scanning the channels added to the scan list.
- 16 Button:** Toggles between the currently selected channel and channel 16.
- MON Button:** Latches squelch open
- 3. Channel up / down buttons
- 4. Push To Talk (PTT) button. Press to speak and release to listen.
- 5. Non-programmable button
- 6. Short press toggles LCD and keypad backlight on/off. Long press toggles keypad lock on/off
- 7. Non-programmable button
- 8. LED Indicator
  - Red steady - Transmitting
  - Red flashing slowly - Battery needs recharging
  - Green steady - Receiving
  - Amber pulsing – In standby mode
- 9. Volume Control
- 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 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, press and hold the on/off control (1) on the front of the radio.
2. When the radio has passed its diagnostic tests, it will emit a fanfare tone.
3. 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.
4. Adjust the volume control to select the desired volume level.
5. Using the channel buttons, ensure you have the correct channel selected.
6. 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)
7. When finished using the radio, switch off by pressing and holding the on/off button (1) until the radio beeps and the LED/LCD is extinguished.

## 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

### We Entel UK Limited of:

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Declare under our sole responsibility that the product ranges specified below conform to the following standards or other nominative documents.

### HT649

EN 300 225: December, 2015 v1.5.1  
EN 301 843-2: June, 2004 v1.2.1  
EN 60945: October, 2002, Edition 4  
IEC 60945/Corrigendum 1: April, 2008, Edition 4  
IMO Resolution A.694 (17): 1991  
IMO Resolution A.809 (19): 1995  
ITU-R M.489-2: October, 1995  
MSC Resolution 147 (77): June, 2003

For Assessment see:

EC Type-examination (Module B) certification  
No. 13212002/AA/06 of 21 March 2017  
Product quality assessment system (Module D)  
Certificate No. P133(issue 7) of 06 June 2017  
Product Category: A.1/5.17  
Issued by Telecommunications B.V  
Edisonstraat 12A, 6902 PK Zevenaar, The Netherlands.

This declaration is issued according to the provisions of European Council Directive 96/98/EC on marine equipment amended by the Commission Directive 2010/68/EU

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Signed:

