HTx44 Series

HT544 | HT844 | HT944

Quick Start User Guide

Designed in the United Kingdom

Entel

Entel

Quick Start User Guide

V2.9

HTx44 Series

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Above approvals apply to specific models only

INTRODUCTION

The Entel HTx44 series are a range of professional IP68 submersible marine handheld radios that operate on the VHF marine band. They have 56 marine international channels 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.

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

HTx44	Marine VHF radio
CNBxxx	Rechargeable Li-Ion battery
CBH950	Spring loaded belt clip
CCAHT	Trickle charger pod
CAT20/156	High efficiency antenna
CWCHT	Mains adaptor
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 over tighten or use any implement).
3. To remove an accessory, unscrew the locking screw of the accessory by hand in an anti-clockwise direction.
4. Ensure you re-fit the accessory socket cover (the radio is not submersible without the socket covered).

BATTERY INFORMATION

Battery charging

1. Connect the AC adapter to the charger pod and plug in.
2. Turn the radio off.
3. 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.
4. 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. Volume control
3. Channel up / down buttons
4. Push To Talk (PTT) button: press to speak and release to listen.
5. Dealer programmable button (ask your dealer for more information).
6. LED Indicator

   Red steady - Transmitting

   Red flashing slowly - Battery needs recharging

   Green - Receiving
7. Change channel mode from INT/USA/CAN
8. **MEM Button:** Adds or removes the currently selected channel to or form the scan list .

   SCAN Button: Starts/stops scanning the channels added to the scan list plus CH16.

   16 Button: Toggles between the currently selected channel and channel 16.

   MON Button: Short press momentarily opens squelch. Long press latches squelch open (short press re-sets).
9. Microphone

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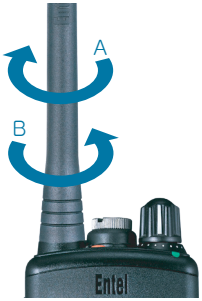
PREPARING YOUR RADIO FOR USE

Attaching/removing the antenna



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).

1. 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 over tighten). (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 button (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, signaling that the radio is ready for use.
4. Adjust the volume control (2) to select the desired volume level.
5. Using the channel buttons (3) 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 above.
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 Push To Talk (PTT) 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 (9) 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 of:
320 Centennial Ave, Centennial Park,
Elstree. WD6 3TJ United Kingdom

Declare that the radio equipment type HT544, HT844 V2 and HT944 V2 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

This declaration is valid for Directive 2014/34/EU

HT544, HT844 V2 series, HT944 V2 series
EN 60079-0:2012
EN 60079-11:2012

Related certificates:
HT844 V2 series, HT944 V2 series
Sira 10ATEX2066X
HT9XX marking Ex II 2G Ex ib IIC T4 Gb
HT8XX marking Ex II 2G Ex ib IIA T4 Gb

HT544
IECEx SIR 10.0097X
Marking Ex II 2G Ex ib IIA T4 Gb

Sira Certification. Unit 6, Hawarden Industrial Park,Hawarden, Deeside. CH5 3US, UK
Notified Body No. 0518

Quality Assurance Notification:
Intertek. Intertek House, Leatherhead KT22 7SB, UK
Notified Body No. 0359

Name: Mike Jamieson
Position: Quality Manager
Date: 1st May 2017
Signed:

Model	Description	ATEX	IECEx	Permitted models
CNB550E	1800mAh Li-Ion battery pack		✓	All HT500 Series
CNB950E	1800mAh Li-Ion battery pack	✓		All HT800 V2, HT900 V2
CMP500	Speaker/microphone		✓	All HT500 Series
CMP950	Speaker/microphone	✓		All HT800 V2, HT900 V2
CHP950D	Ear defender headset	✓	✓	All HT500, HT800 V2, HT900 V2
CHP950HS	Ear defender headset	✓	✓	All HT500, HT800 V2, HT900 V2
CHP950HD	Ear defender headset	✓	✓	All HT500, HT800 V2, HT900 V2
PTT951	Push to talk switch	✓	✓	All HT500, HT800 V2, HT900 V2
PTT950E	Push to talk switch	✓	✓	All HT500, HT800 V2, HT900 V2
PTT951E	Push to talk switch	✓	✓	All HT500, HT800 V2, HT900 V2
PTT951C	Push to talk switch	✓	✓	All HT500, HT800 V2, HT900 V2
CXR16/950	Throat earphone/microphone	✓	✓	All HT500, HT800 V2, HT900 V2
CXR5/950	Skull earphone/microphone	✓	✓	All HT500, HT800 V2, HT900 V2
EA12/950	Earphone/microphone	✓	✓	All HT500, HT800 V2, HT900 V2
EA15/950	Earphone/microphone	✓	✓	All HT500, HT800 V2, HT900 V2
EA19/950	Earphone/microphone	✓	✓	All HT500, HT800 V2, HT900 V2
EHP950	Earphone	✓	✓	All HT500, HT800 V2, HT900 V2
Savox C-C500	Cert no. VTT 06 ATEX 043X	✓	✓	All HT800 V2, HT900 V2
Savox 100+	Cert no. VTT 06 ATEX 036X	✓		HT981, HT981S
Savox 400	Cert no. VTT 05 ATEX 009X	✓		HT981, HT981S
Savox, FPS-COM	Cert no. ITS08ATEX25772X	✓		HT981, HT981S, HT983, HT983U, HT983S, HT983SU
SABRE-COM	Cert no. ITS03ATEX21290X	✓		HT981, HT981S, HT983, HT983U, HT983S, HT983SU
FPS-COM-Plus VA R-C	Cert no. ITS11ATEX27318X	✓		All HT800 V2, HT900 V2

The Entel ATEX and IECEx transceivers should only be used with the specific, permitted accessories, as detailed above.

CONTACT

For more information about our products please contact us:

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