

# DTE<sub>x</sub> Commercial Marine Series

DT500 | DT800 | DT900



## Quick Start User Guide



Designed in the United Kingdom

# Entel

# DTE<sub>x</sub> Commercial Marine Series



## DT500 | DT800 | DT900

### INTRODUCTION

The DTE<sub>x</sub> Commercial Marine Series is an industrial grade marine radio approved to the European EN60945 Maritime standard for onboard ship use.

Your radio can be configured with Digital and Analogue channels (VHF models analogue only) and 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

DTxxx	Radio
CSAHT	Rapid charger
CNBxxx	Rechargeable Li-Ion battery
CBHxxx	Spring loaded belt clip
CATxxx	High efficiency antenna

### OPTIONAL ACCESSORIES

#### Attaching and removing accessories

To attach an accessory, remove the accessory cover by unscrewing the locking screw anticlockwise (leave 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 over-tighten or use any implement).

To remove an accessory, unscrew the locking screw of the accessory by hand in an anticlockwise direction.

Ensure you refit 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 LED status changes from red to green. A fully discharged battery pack will take approximately 3 hours to recharge.

**A flashing red LED on the charger indicates there is a problem with the battery. Remove the battery from the charger and consult your Entel Dealer.**

### 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. If the power to the charger is turned off and on again, charging will restart and the battery will become overcharged.
- 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 battery packs and chargers stating they are "Part of IECEX BAS 18.0094X and Baseefa18ATEX0152X" may be used.
- 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.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

### 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.

### REPAIR & MAINTENANCE

Repair and maintenance of this product can only be carried out by Entel. Any damage to the anti-tamper seal will invalidate the product approval. Should you have any difficulties in operating this product please contact your Entel Dealer for support.

## CONTROLS & INDICATORS

### NON DISPLAY



1. On/Off/Volume control.  
Rotate clockwise to turn on and increase volume. Rotate anticlockwise to reduce volume and turn off.
2. Channel control
3. Accessory socket
4. Push-To-Talk (PTT) button.  
Press to speak and release to listen.
5. Dealer programmable buttons  
(ask your Dealer for more information)

### DISPLAY - UHF MODEL



6. LED indicator  
**Red Steady** - Transmitting  
**Red Double Flash** - Low Battery  
**Red Fast Flash** - Error  
**Green Steady** - Receiving  
**Green Steady (AM)** - Monitoring Channel  
**Green slow flash (DM)** - Digital call hang time  
**Amber steady** - Receiving invalid signal  
**Amber Flash every 5-seconds** - Radio in standby  
**Amber Rapid Flash** - Scanning

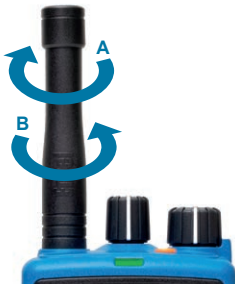
### DISPLAY - VHF MODEL



7. Navigation key - channel up/down
8. Microphone
9. Squelch
10. Quick access channel 16
11. Scan memorised channels
12. Programmable button
13. Memorise channels for scan

## 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 over tighten) (C).
2. To remove, unscrew the locking screw anti-clockwise and pull the battery away from the top of the radio (D).

[www.entel.co.uk](http://www.entel.co.uk)

## SWITCHING ON, RECEPTION AND SWITCHING OFF

1. To switch on rotate the on/off/volume control (1) on the top of the radio clockwise, you will hear a click from the control.
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 flashing amber once every 5 seconds, signaling that the radio is ready for use.
4. Adjust the volume control (1) to select the desired volume level.
5. Using the channel control (2), 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 turning the on/off/volume control (1) counter clockwise until it clicks and the radio will be switched off.

## 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 will illuminate red.
5. For best transmitted speech quality, you must talk directly into the radio's microphone (8) 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

Declares that the radio equipment type:

DT542, DT544, DT842, DT844, DT942, DT944  
DT582M, DT585M, DT882M, DT885M, DT982M, DT985M  
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)

This declaration is valid for Directive 2014/34/EU

EN 300 178 v2.1.1  
EN 300 720 v2.1.1  
EN 300 113 v2.2.1  
EN 301 843-1 v2.2.1  
EN 301 843-2 v2.2.1  
EN 301 489-1 v2.2.0 & EN 301 495-5 v2.2.0  
EN 60945:2002 EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013  
EN 50566:2017, EN 62311:2008 & EN 62209-2:2010  
DT5xx, DT8xx and DT9xx

IEC 60079-0:2017 EN 60079-0:2018  
IEC 60079-11:2011 EN 60079-11:2012

Related certificates:

IECEX: IECEX BAS 18.0094X  
ATEX: Baseefa18ATEX0152X

DT5xx marking Ex ib IIB T4 Gb (-20°C ≤ Ta ≤ +40°C)  
DT8xx marking II 2G Ⓢ ib IIB T4 Gb (-20°C ≤ Ta ≤ +40°C)  
DT9xx marking II 2G Ⓢ ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

SGS Baseefa Ltd  
Rockhead Business Park, Staden Lane  
Buxton, Derbyshire SK17 9RZ  
Notified Body No. 1180

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

Name: Mike Jamieson  
Position: Quality Manager  
Date: 3<sup>rd</sup> August 2020

Signed: 



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Model	Description	ATEX	IECEx	Permitted models
CNB550EV2	1800mAh Li-Ion battery pack		✓	DT500 Series
CNB950EV2	1800mAh Li-Ion battery pack	✓		DT800, DT900 Series
CMP/DT5	Remote speaker microphone		✓	DT500 Series
CMP/DT9	Remote speaker microphone	✓		DT800, DT900 Series
CHPD/DT9*	Ear defender headset with headband	✓	✓	DT500, DT800, DT900 Series
CHPHS/DT9*	Ear defender headset/hardhat/single sided	✓	✓	DT500, DT800, DT900 Series
CHPHD/DT9*	Ear defender headset/hardhat/double sided	✓	✓	DT500, DT800, DT900 Series
CXR5/DT9**	Bone conductive skull microphone & earpiece	✓	✓	DT500, DT800, DT900 Series
CXR16/DT9**	Bone conductive throat microphone & earpiece	✓	✓	DT500, DT800, DT900 Series
PTT-E/DT9	Heavy duty PTT switch for CHP Series	✓	✓	DT500, DT800, DT900 Series
PTT-C/DT9	Heavy duty PTT switch for CXR Series	✓	✓	DT500, DT800, DT900 Series
EA12/DT9	Earpiece microphone & PTT	✓	✓	DT500, DT800, DT900 Series

\*CHPD/DT9, CHPHS/DT9 and CHPHD/DT9 supplied with PTT-E/DT9

\*\*CXR5/DT9 and CXR16/DT9 supplied with PTT-C/DT9

#### Specific conditions of use:

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



For a detailed specification on all products listed please visit our webpage - [entel.co.uk](http://entel.co.uk)

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## CONTACT

For more information about our products, please contact us:

 +44 (0)20 8236 0032

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

 [entel.co.uk](http://entel.co.uk)