

DT Land Series

DT500 | DT800 | DT900



Quick Start User Guide



Designed in the United Kingdom

Entel

DT Land Series

DT500 | DT800 | DT900



INTRODUCTION

The Entel DT digital series is designed for those users who demand the ultimate performance for their business critical communications. Your radio can be configured for Digital or Analogue channels, or both 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 anti-clockwise (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 anti-clockwise direction.

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 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 that state that 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.

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 dealer for support.

NON DISPLAY



NAV KEY LCD

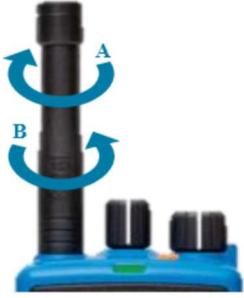


1. On/Off/ Volume control. Rotate clockwise to turn on and increase volume. Rotate anti-clockwise to reduce volume & turn off.
2. Channel control
3. Accessory socket
4. Push To Talk (PTT) button: press to speak and release to listen.
5. Dealer programmable buttons (ask your dealer for more information)
6. LED indicator
7. Navigation key
8. Microphone
9. Emergency button

- Red steady** - Transmitting
- Red flashing slowly** - Battery needs recharging
- Green steady** - Receiving
- Amber steady** - Invalid signal being received
- Amber flashing rapidly** - Scanning
- Amber pulsing** - In standby mode

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).

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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 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 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 (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:

Declares that the radio equipment type:

DT582, DT585, DT882, DT885, DT981, DT982,
DT985, DT952, DT953 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 300 086 v2.1.2
EN 300 113 v2.2.1
EN 301 489-1 v2.2.0 & EN 301 489-5 v2.2.0
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 60079-11:2011

Related certificates:

IECEX: IECEX BAS 18.0094X
ATEX: Baseefa18ATEX0152X

DT5xx marking Ex ib IIA T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT8xx marking Ex ib IIA T4 Gb (-20°C ≤ Ta ≤ +40°C)
DT9xx marking Ex ib IIC T4 Gb (-20°C ≤ Ta ≤ +40°C)

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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: 14th November 2018
Signed:



Model	Description	ATEX	Permitted models
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Specific conditions of use:

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