DX Marine Series

Quick Start User Guide

Entel

Designed in the United Kingdom

DX Marine Series

INTRODUCTION

The Entel DX 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 (DX644/ATIS analogue only), 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
DX Series radio
Li-ion battery pack
Drop in charger
Spring loaded belt clip
High efficiency antenna
Quick start user guide

OPTIONAL ACCESSORIES

Attaching and removing accessories

1. To attach an accessory, remove the accessory cover by unscrewing the locking screw anti-clockwise (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 so as to protect the socket.
4. To prevent corrosion or damage to the accessory connector terminals ensure either a) the accessory cover is fitted or b) an accessory is securely fitted, never leave the terminals exposed.

BATTERY INFORMATION

Battery care

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 3-6 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 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.

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

DISPLAY - UHF MODEL

DX644/ATIS

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

Important: When not using your audio accessory, the radios accessory cover MUST be re-fitted so as to protect the radio and the accessory connector from dirt and liquid ingress / contamination.

How to select INT/USA/CAN modes

Long press Orange or P1 button (subject to your firmware version) to enter Region selection menu.
Short press Orange or P1 button to select the region INT > USA > CAN then press PTT to save the selection.

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. (A)
2. To remove, unscrew the antenna anti-clockwise. (B)

Attaching / removing the battery pack

1. To attach (C), locate the pegs on the bottom of the battery into the slots on the radio and pull the 2 latches downwards, carefully pushing the battery into the radio. Release the latches ensuring the battery is full attached.
2. To remove (D), pull down the 2 latches and carefully pull the battery away from radio.

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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, indicating the radio is ready for use.
4. Adjust the volume control (1) to select the desired volume level.
5. Using the channel/contact list control (2) ensure that you have the correct channel/ contact 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 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 (8) at around 4cm between your mouth and the radio.
6. Please note: with your mouth further away, you will transmit poor quality speech.
7. When the transmission is finished, release the PTT button.

DECLARATION OF CONFORMITY

Hereby, Entel UK Limited
Declares that the radio equipment type DX Series is in compliance with Directive 2014/53/EU and Radio Equipment Regulations 2017.

The full text of the relevant declaration of conformity is available at the following internet address:

EU www.entel.co.uk/red

UK www.entel.co.uk/UKCA

The product shall only be put into service after it has been professionally configured by a specialist radio communications dealer for the EU member state or geographical area it is intended to be operated within.

Intended country of use

AT	BE	BG	CH	CY	CZ	DE	DK	EE
ES	FI	FR	EL	HR	HU	IE	IS	IT
LI	LT	LU	LV	MT	NL	NO	PL	PT
RO	SE	SI	SK	TR	UK(NI)			

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UKAS MANAGEMENT SYSTEMS
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