

'intelligent thinking'
by Entel



HT640

Submersible
Dependable
Tough



Entel UK

HT640 features



Powerful

Delivers a full five watts RF power on high power, switchable to one watt low power should you wish to conserve battery life.

Submersible

At Entel we pride ourselves on engineering our transceivers to the highest specification necessary to protect against the likely hazards encountered in any field of operation. This is why our HT Series conforms to European Standard IP68 – withstanding total immersion in water to a depth of 5 metres for 60 minutes - giving you total protection and peace of mind.

Dependable

The HT Series is unique in offering such a full specification. They are built without compromise to deliver superb, consistent performance in the most hostile environments encountered at sea.

Commercial Grade Construction

Meeting MIL STD 810C/D/E rating for tough, enduring performance, the HT640 conforms to stringent standards, enabling it to withstand the every day rigours of shock, vibration and the corrosive action of dust and moisture, ensuring many years of trouble free use in a salt water environment.

Ergonomic

Large rubber armoured volume control and side grips make HT640 easy to grip with wet or gloved hands.

Feature Rich – Simple To Use!

With all its technological advances the HT640 remains very simple to use, with the majority of its features accessed by a single key depression.

Superior Audio Quality

Latest compander noise reduction technology delivers loud and crisp audio no matter what environment you are in.

Battery Life Indicator

Continually monitors battery state for your safety and convenience.

Built In Voice Scrambler

Enabled at the press of a button, this feature ensures privacy between you and other HT640 radios used in your system. Your radio calls will be loud, crisp and clear whilst potential eavesdroppers monitoring the same channel will hear unintelligible garble.

Lithium-Ion Battery Technology

This very latest battery technology gives you three big advantages:

1. Huge fifteen hour duty cycle with supplied CNB640E battery pack.
2. Not prone to the dreaded memory effect that Nicad and Ni-MH battery packs suffer from, therefore no more need to fully discharge your battery pack before charging!
3. Stores a charge up to three times longer than a Nicad.

A/B Quick Access Channels

Immediately recalls two user assigned channels, for speed and convenience.

VOX

Hands free operation when used with a VOX accessory.

Scanning

Ultra fast MEM® scan searches through memorised channels to ensure no lost calls.

Private Channels

The HT640 has a capacity for an additional 36 private channels, which can be programmed by your dealer.



HT640 accessories



CSA640E



CMP1/640



CMP640



EA19/640



EA15/640



**CXR5
skull mic**



EA12/640



CHP640HS



CHP640D



CXR16



CLC640 and CLC940



**CFC640
red, yellow and blue**

Accessories not pictured

CNB640E 7.4v, 1800mAh lithium-Ion battery

CSB640E Six pod intelligent rapid charger, 110-230v

EPT40/640 Bone conductive earpiece microphone

MSP01/640 Crash helmet earpiece mic with remote PTT

CXW640 Antenna adaptor for external aerial connection

EHP640 Covert style earpiece

For the latest range of accessories visit www.entel.co.uk

technical specifications



General	
Frequency range	156.000 to 163.275 MHz
Channels	All currently allocated International, USA and Canadian channels.
Private channels	36 (dealer programmable)
Operating voltage	7.4 VDC
Temperature range	-20°C to +50°C
Current drain:	
Standby	60mA
Receive	200mA
Transmit	1.5A (high) 0.75A (low)
Duty Cycle	15 hours (5%-5%-90%)
Dimensions	130mm(h) x 59mm(w) x 33mm(d)
Weight	296g (with battery and aerial)

Transmit	
RF power output	5 Watt (high) 1 Watt (low)
Frequency stability	$\pm 0.0005\%$ (-20 to +50°C)
Maximum deviation	5KHz
Spurious emissions	65dB
Signal to noise ratio	>43dB
Channel spacing	25KHz
Mode	16K0F3E (FM)

Supplied Accessories	
CNB640E	7.4v, 1800mAh Li-Ion battery
CCA640	Charger pod for 12v and 230v operation
CWC640	230v mains adaptor
CMC640	12v lead
CAT640	Flexible antenna
CBH640	Spring loaded belt clip
CL640	Carry strap
User manual	

Receive	
Sensitivity	-119dBm (12dB sinad)
Intermediate	21.7MHz and 450KHz frequencies
Intermodulation	>68dB
Spurious response	>70dB
Audio output power	500mW (<5% distortion)
Selectivity	>74dB
Spurious emissions	>67dB
Hum and noise	>48dB

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