

technical specifications



General - HT720 / HT780	
RF power output	HT720 - 5 Watts (high) Watt (low)
RF power output	HT780 - 4 Watts (high) Watt (low)
Frequency range (UHF)	TX 425 to 470MHz
	RX 438 to 470MHz
Frequency range (VHF)	TX 148 to 174MHz
	RX 148 to 174MHz
Channels	128
Channel spacing	25KHz(wide) 12.5KHz(narrow)
Operating Voltage	7.4v DC
Temperature range	-20°C to +50°C
Current drain:	
Standby	50mA
Receive	160mA
Transmit	1800mA (high) 1000mA (low)
Duty cycle (5/5/90) -	14 hours (high) / 18 hours (low)
Dimensions	130mm(h) x 59mm(w) x 33mm(d)
Weight	296g (with battery and aerial)

Supplied Accessories	
CNB640E	7.4v, 1800mAh Li-Ion battery
CBH640	Spring loaded belt clip
	High efficiency antenna
	User manual

Full & detailed specification available on request

Complete HT Series application guide for land and marine models:-

Model	Land	Marine	VHF	UHF	ATEX (I.S)	U.L (I.S)	Channels	PMR446	GMDSS
HT446	✓	✗	✗	✓	✗	✗	8	✓	✗
HT640	✗	✓	✓	✗	✗	✗	55 marine	✗	✗
HT720	✓	✗	✓	✗	✗	✗	128	✗	✗
HT780	✓	✓	✗	✓	✗	✗	128	✗	✗
HT820	✓	✗	✓	✗	✗	✓	128	✗	✗
HT840	✗	✓	✓	✗	✗	✓	55 marine	✗	✗
HT880	✓	✓	✗	✓	✗	✓	128	✗	✗
HT920	✓	✗	✓	✗	✓	✗	128	✗	✗
HT940	✗	✓	✓	✗	✓	✗	55 marine	✗	✗
HT980	✓	✓	✗	✓	✓	✗	128	✗	✗
HT70	✗	✓	✓	✗	✗	✗	upto 55 marine	✗	✓

I.S = intrinsically safe for hazardous area applications

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'the
professional's
choice'

Your local professional dealer

'tough talker' by Entel

HT700 Series

Submersible

Dependable

Tough



Entel UK

HT700 features



Heavy duty locking accessory connector

CSA640E optional rapid charger

Dependable - The HT700 series utilises state of the art technology with leading edge features, ensuring that it can be depended upon in the most extreme conditions.

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 HT700 series conforms to European Standard IP67 – withstanding total immersion in water to a depth of 1 metre for 30 minutes – giving you total protection and peace of mind.

Commercial Grade Construction

Meeting MIL STD 810C/D/E rating for tough, enduring performance, the HT700 series 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 the HT700 series easy to grip with wet or gloved hands, and have indispensable high visibility displays.

Built for hostile environments - HT700 radios are unique in offering such a full specification. They are built without compromise to deliver superb, consistent performance in the most hostile environments encountered on land or at sea.

Feature Rich - Simple To Use! - With all its technological advances the HT700 series 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.

Lithium-Ion Battery Technology - This very latest battery technology gives you three big advantages:

1. Huge fourteen 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.

VOX - Hands free operation when used with a VOX accessory.

Programmable buttons - Four dealer programmable buttons allow you to instantly select any of the unique features available from HT700 series.

Three Year Warranty - The HT700 series transceivers are supported by a three year manufacturer's warranty.

Model	Land	Marine	VHF	UHF	Channels	Submersible
HT720	✓	✗	✓	✗	128 - PC programmable	✓
HT780	✓	✓	✗	✓	128 - PC programmable	✓



HT700 accessories



CSA640E



CSB640E



CMP640



EA19/640



EA15/640



EA12/640



EPT40/640



CXR16/640



CHP640D



CHP640HS
shown with optional large PPT button



CLC640 and CLC940



CFC640
red, yellow and blue

Accessories not pictured

CNB640E 7.4v, 1800mAh lithium-Ion battery
CMP1/640 Compact speaker/microphone
CST640E Six pod battery analyser
EPT19 Bone conductive earpiece microphone

MSP01 Crash helmet earpiece mic with remote PTT
CXW640 Antenna adaptor for external aerial connection
EHP640 Covert style earpiece
CXR5/640 Skull Mic.

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