

# '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 IP68 – withstanding total immersion in water to a depth of 5 metres for 60 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.

**Two Year Warranty** - The HT700 series transceivers are supported by a two year manufacturer's warranty.

Model	Land	Marine	VHF	VHF (Low Band)	UHF	Channels	Submersible
HT710	✓	✗	✗	✓	✗	128 - PC Programmable	✓
HT720	✓	✗	✓	✗	✗	128 - PC Programmable	✓
HT780	✓	✓	✗	✗	✓	128 - PC Programmable	✓



# HT700 accessories



**CSA640E**



**CSB640E**



**CMP640**



**EA19/640**



**EA15/640**



**EA12/640**



**EPT40/640**



**CXR5/640**



**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

- MSP01** Crash helmet earpiece mic with remote PTT
- CXW640** Antenna adaptor for external aerial connection
- CXR16/640** Throat mic (VOX)

For the latest range of accessories visit [www.entel.co.uk](http://www.entel.co.uk)

# technical specifications



General - HT710 / HT720 / HT780	
RF power output	HT710 - 5 Watts (high) 1 Watt (low)
RF power output	HT720 - 5 Watts (high) 1 Watt (low)
RF power output	HT780 - 4 Watts (high) 1 Watt (low)
Frequency range (HT710)	TX 66 to 88MHz
	RX 66 to 88MHz
Frequency range (HT720)	TX 148 to 174MHz
	RX 148 to 174MHz
Frequency range (HT780)	TX 425 to 470MHz
	RX 438 to 470MHz
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

'the professional's choice'

Full & detailed specification available on request

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

Model	Land	Marine	VHF	VHF <sub>low</sub>	UHF	ATEX (I.S)	USTC (I.S)	Channels	PMR446	GMDSS
HT446	✓	✗	✗	✗	✓	✗	✗	8	✓	✗
HT640	✗	✓	✓	✗	✗	✗	✗	57 marine	✗	✗
HT710	✓	✗	✗	✓	✗	✗	✗	128	✗	✗
HT720	✓	✗	✓	✗	✗	✗	✗	128	✗	✗
HT780	✓	✓	✗	✗	✓	✗	✗	128	✗	✗
HT820	✓	✗	✓	✗	✗	✗	✓	128	✗	✗
HT840	✗	✓	✓	✗	✗	✗	✓	57 marine	✗	✗
HT880	✓	✓	✗	✗	✓	✗	✓	128	✗	✗
HT920	✓	✗	✓	✗	✗	✓	✗	128	✗	✗
HT940	✗	✓	✓	✗	✗	✓	✗	57 marine	✗	✗
HT950	✓	✗	✗	✗	✓	✓	✗	8	✓	✗
HT980	✓	✓	✗	✗	✓	✓	✗	128	✗	✗
HT70	✗	✓	✓	✗	✗	✗	✗	up to 57 marine	✗	✓

I.S = intrinsically safe for hazardous area applications

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