

# HT782/ HT722

UHF / VHF TRANSCEIVER

## WHY COMPROMISE?

**Reliable.  
Enduring.  
Tough.**



For those requiring an entry level portable radio with a no compromise MIL-STD810 C/D/ E/F build specification, the 16 channel entry level HT7X2 is the most cost effective solution. Conforming to European rating IP68, the HT700 offers the highest submersibility rating of any portable radio, uniquely able to withstand total immersion in water to a depth of 5 metres for 1 hour. The HT7X2 entry level radio is designed to operate in the most hostile environments and with its exceptionally loud audio, is the choice of the fire and rescue services worldwide.

### KEY FEATURES

- ✓ 2000mAh Lithium battery technology
- ✓ Fully submersible IP68
- ✓ Robust MIL-STD construction
- ✓ Simple and intuitive operation
- ✓ Exceptionally loud audio
- ✓ Lightweight polycarbonate construction, just 277g
- ✓ Scan/ Priority Scan
- ✓ Programmable Scrambler
- ✓ Talkaround
- ✓ Extensive range of optional accessories
- ✓ Robust multi pin accessory connector

## Endurance Engineered





## About HT782/HT722

The commercial grade HT Series 2.0 portables, with their exceptionally loud audio, are also designed to withstand the every day rigours of shock, vibration and the corrosive effects of dust and moisture, ensuring many years of trouble free use in the most hostile environments.

Entel's IP68 HT series is certified as waterproof-submersible to an unprecedented depth of 5 metres for 60 minutes.

Aware that the smallest tolerances of case size and material variation alone could compromise your radio's waterproof integrity, uniquely, each individual Entel portable is tested on a custom-built air pressure test-jig to ensure it meets the exacting high standards we have set for ourselves.

## Technical Specifications

### GENERAL

RF Power output	VHF 5W (high ) UHF 4W(high ) / 1W (low)
Frequency Range	HT722 VHF 136-174MHz /HT782 UHF400-470MHz
Channels	16 Channels
Channel Spacing	12.5 kHz/ 25 kHz
Environmental Protection	IP68 submersible 5M for 1 hour
Military Standard	MIL-STD 810C/D/E/F
Thermal shock & Humidity	As per MIL-STD
Antenna Impedance	50 ohm
Battery Type	2000mAh Li-ion
Power Supply Voltage	7.4V DC
Audio Output	660mW—distortion: < 3% @ 500mW
Operating temperature	-20 to +55C
Dimensions*	130mm (h - ex. controls) x 59.5mm (w) x 37mm (d)
Weight	277g (with battery and aerial)

### TRANSMITTER

Frequency Stability	< ±0.00025% (±2PPM)
Audio Distortion	< 5% (1 kHz 60%)
Spurious Emission	-68 [dBc]
Hum & Noise	-40 [dB]

### RECEIVER

Receiver Type	Double Super Heterodyne
Sensitivity	-0.25uV (12dB SINAD)
Frequency Stability	±0.00025%(±2PPM)
Spurious Rejection	-60 dB
Adjacent Channel Selectivity	-60 dB (Narrow) , -70 dB (Wide)
Distortion	< 3% Typical
Audio Output	1W
Speaker Size	38mm



Testing completed using portable radio with attached battery and antenna.

Specifications subject to change without notice. All specifications shown are typical unless otherwise stated.

Radio meets applicable regulatory requirements.



## Supplied Accessories

7.4v, 2000mAh Li-Ion battery

High efficiency antenna

110/240V Rapid Charger

Spring loaded belt clip

User Manual