

# HX482/ HX422

UHF / VHF TRANSCEIVER

## WHY COMPROMISE?

**Compact.  
Intelligent.  
Tough.**



The HX4X2 is an Entry level transceiver that is built without compromise to deliver loud and crisp audio using the latest compander noise reduction technology. Simplicity in mind the HX4X2 is a simple to use radio for speech communication.

### KEY FEATURES

- ✓ 2000mAh Lithium battery technology
- ✓ Environmental protection to IP55
- ✓ Robust MIL-STD construction
- ✓ Simple and intuitive operation
- ✓ Flash upgradeable to add future features
- ✓ Exceptionally loud audio
- ✓ Robust multi pin accessory connector
- ✓ Ability to clone data from radio to radio
- ✓ 16 Channels
- ✓ Lightweight polycarbonate construction, just 233g
- ✓ Extensive range of optional accessories





# About HX482/ HX422

Designed in the United Kingdom, the HX4X2 is an entry level radio built to last. With 16 channels, this model, like all our HX series portables, is built to meet the MIL-STD 810C/D/E/F rating for tough enduring performance and in addition has a superior IP55 splash proof construction. From the compact ergonomic design that fits comfortably in your hand, to the exceptionally loud audio that enables you to communicate in the noisiest environments, this portable, positioned as an entry level model, easily outclasses its competition.

Utilising the latest intelligent Lithium-Ion battery technology with battery cycle count, the entry level HX400 will even alert you to imminent battery life expiration. Channel scanning and local personal attack alarm are included. This low cost portable will exceed the expectations of even the most experienced radio users.

## Technical Specifications

### GENERAL

RF Power output	VHF 5W (high ) UHF 4W(high ) / 1W (low)
Frequency Range	HX422 VHF 136-174MHz /HX482 UHF400-470MHz
Channels	16 Channels
Channel Spacing	12.5 kHz/ 25 kHz
Environmental Protection	IP55 Splash proof
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	700mW—distortion: < 3% @ 500mW
Operating temperature	-20 to +55C
Dimensions*	100mm (h - ex. controls) x 62.5mm (w) x 39.5mm (d)
Weight	233g (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	5% (1 kHz 60%)
Audio Output	1W
Speaker Size	45mm

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
- CSAHX Rapid charger
- Spring loaded belt clip
- User Manual