

HT953 PMR446 ATEX Radio

→ Overview

For those requiring a PMR446 ATEX portable with a high visibility back-lit LCD, the HT953 with its no compromise build specification, is the most cost effective solution. From an established generation of commercial grade portables, the fully submersible IP68 HT Series 2.0 is designed to operate in the most hostile environments and with its MIL-STD 810C/D/E/F construction and exceptionally loud audio, is the choice of the fire & rescue services and major blue-chip petrochem organisations worldwide.

Whether you display all 8 of Europe's currently allocated PMR446 channels, or using different CTCSS or DCS tones expand the channel capacity to a maximum of 255, the choice is yours. Utilising the latest intelligent Lithium-Ion battery technology your HT953, if dealer enabled, will display a battery cycle count each and every time you power-on your radio. For your convenience it will even alert you to imminent battery life expiration.

The HT953 comes with channel scanning, VOX and local personal attack alarm, with optional Bluetooth communications facility and variable point voice scrambler. This low cost LCD model will exceed the expectations of even the most experienced radio users.



→ Features

General Features

- + Submersible to IP68 (5 metres for 1 hour) 
- + MILSTD 810C/D/E/F 
- + 1800mAh Li-Ion battery
- + Flash upgradeable to add future features
- + Robust accessory socket 
- + 255 channels
- + Voice annunciation (option)
- + Bluetooth™ wireless communications (option)
- + Clone data from one radio to another

For - Convenience

- + VOX hands free (with audio accessory)
- + Programmable channel monitor button

For - Security

- + Programmable scrambler (voice inversion)

For - Safety

- + Local Personal Attack Alarm

[→ Technical Specification](#)

General

Frequency Range	446.00625 - 446.09375MHz (HT953)
Channels	255 Channels
Channel Spacing	12.5 kHz / 25 kHz
Communication Method	Simplex / semi duplex
Antenna Impedance	50 ohm
Antenna	Whip / stubby
Battery Type	1800 mAh Li-Ion battery pack
Power Supply Voltage	7.4V DC
Current Drain (nominal)	TBA
Duty Cycle (5/5/90)	TBA

Microphone	Internal condenser microphone
Operating Temperature	-20° to +55°
Size (mm)	59.5(W) x 130(H) x 37(D)
	W = 59.5 (62 including protrusions) H = 130 (145 inc knobs) D = 37mm (41 including battery protrusions)
Weight	277g with battery and aerial

— Transmitter

Power Output	HIGH – 5W, LOW - 1W
Modulation	8K0F3E/16K0F3E
Oscillator Method	PLL
Frequency Stability	< ±0.00025% (±2PPM)
Maximum Deviation	±2.5 kHz(Narrow)/ ±5 kHz(Wide)
Audio Distortion	< 5% (1 kHz 60%)
Spurious Emission	-68 [dBc]
Hum & Noise	-40 [dB]

— Receiver

Receiver Type	Double Super Heterodyne type
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
Hum & Noise	-40 dB
Audio Output	1W
Speaker Size	38 mm