# WB GROUP

# *SENTRY-H* Radio

**Sentry-H is a Software Defined Radio designed for tactical base and mobile deployment.
Can also be easily upgraded for expanded capability via the convenience of software upgrades.**

- Future-proof SDR design
- Rugged smart handset with colour display and integrated GPS
- Multi-language user interface
- Optimized for mobile and base
- 150 W PEP
- Second Generation Digital Voice
- MIL-STD-188-110A/B (STANAG 4539) data waveforms (up to 19k2 bps)
- AES-256 digital COMSEC
- Frequency Hopping
- 3G ALE (STANAG 4538)
- Waterproof MIL-STD-810G construction
- IP/USB Connectivity
- H-250 Accessories support

The Sentry-H supports high speed data and state of the art digital voice capabilities in combination with AES 256 Encryption, if required. Frequency Hopping is also available to provide a level of ECCM Protection.

Sentry-H delivers a rugged and affordable Radio solution for military organizations that demand uncompromised, secure long range voice and data communications. It has been specifically designed to deliver the smallest and lightest form factor for no-fuss integration into base and mobile configurations. Sentry-H has been optimized for ease-of-use and features an ergonomic smart handset with a colour, high-resolution multi-language interface.

## General Specifications

| | |
|---|---|
| **Frequency Range** | 1,6 - 30 MHz (Transmit) |
| | 250 kHz - 30 MHz (Receive) |
| **Channels** | up to 1000, 500 programmable contacts |
| **Networks** | up to 20 (simultaneous scanning) |
| **Output power** | 150 W |
| **Weight** | 2,82 kg (RFU) |
| | 280 g (handset, no cable) |
| **Input voltage** | 10 V up to 35 V DC |
| **GPS** | RFU external antenna (SMB socket), |
| | Handset – embedded receiver/antenna (GPS, GLONASS, Beidou) |
| **Encryption** | AES-256 |
| **Frequency Hopping** | 6/12/25 hop/s (sync. GPS) |
| **Environmental and mechanical** | MIL-STD-810G Shock, Drop, Vibration, Humidity, Blowing Dust, Salt Fog, Fungus, Altitude, Immersion IP67 |

## Interfaces

ATU Control

General Purpose Interface

Handset Interface

DC supply

H-250 6-pin MIL support audio in/out, PTT

GPS  antenna SMB socket

Antenna N-type

Ignition Sense

USB Keyboard support

## 3G ALE
(Automatic Link Establishment)

Conforms to STANAG 4538

Fast kin king with a high degree of link security

High and low throughput date waveforms

Secure data transfer (option)

Supports All calls types,
including SMS (up to 250 characters)

Backward compatible with 2G networks

**www.wbgroup.pl**