

Small enough to conceal, simple to operate - yet rich in features - the RH5 is designed to exacting standards and is arguably the most compact, robust and abuse-resistant hand held radio on the market today.

It offers a host of features, from basic talk functions to operator assist panic calls.

Program one, clone the others and add remote PTT headsets for a system that is discreet and functional. Alternatively, the super high speaker output will ensure speech clarity above noise on a factory floor or within a mining operation.

Small and exceptionally robust, this radio is designed to outperform, no matter what the application or the conditions - an indispensable tool for commercial, industrial and security needs



FEATURES

- High specification 16 channel 2 way radio
- Exceptional robustness and reliability due to extruded aluminium case
- PC programmable with radio to radio cloning
- Designed for use of the latest FET and SMD technology
- Self tuning electronic circuitry, permitting easy stocking
- Simple operation
- Single bi-colour LED status indicator
- Simplex and community repeater functions
- Preset mute with signal monitor function
- User programmable scanning
- Programmable time out timer
- CTCSS programmable by channel
- 5 Tone encoding / Emergency call programmable per channel
- Maintenance friendly
- Battery housed internally for added security
- TNC antenna connector for added strength
- Waterproof loudspeaker
- Trickle or rapid desktop charger option
- Compact and easy to conceal

Your Safety
OUR CONCERN

IRC
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SPECIFICATIONS

MODEL SERIES

M1

H1

GENERAL	LOW / MID BAND	HIGH BAND
Frequency Range	66 - 88 MHz	136 - 174 MHz
Frequency Control	Synthesized	
Frequency Stability	0.0005% / 5PPM (2ppm TCXO optional)	
Channel Capacity	16	
Channel Spacing	12.5 KHz (Other optional)	
TX/RX Frequencies	Anywhere in Radio Band	
Primary Input Voltage	7.5 Volts	
Battery Capacity	1500 maH	
Battery Life (90:5:5 Duty Cycle)	More than 12 Hours	
Squelch Capability	Carrier, Tone Coded (CTCSS) (Digital Coded (DCS) & 5 Tone - optional)	
Temperature Range	-10 Deg to +60 Deg C	
Dimensions (including battery)	55mm x 38mm x 135mm (CASE INCLUDING BATTERY)	
Weight	225 grams (excl Battery) / 400 grams (incl 1.5 Ah Battery)	
Antenna Type	Helical Whip	
Microphone	Capacitor Type	
Speaker	Mylar Cone (0,5Watt) Waterproof	
Typical Current Drain - Transmit	1.25 Amp	
Current Drain - Standby	40 mA (Nominal)	
Current Drain - Full Audio	230 mA (Nominal)	

TRANSMITTER

RF Output	5W / 50E
Modulation	Phase
Modulation Distortion	Less than 5% (60% Deviation)
FM Noise / Angle Modulation Hum & Noise	Typically less than -40 dB (Dependant on Channel Spacing)
Spurious & Harmonics	-56dBW
Channel Frequency Spread	Full Bandwidth (as limited by antenna)
Maximum Frequency Deviation	Adjustable 2.5 KHz
Adjacent Channel Power	< -60dBc @ 12,5 KHz
Carrier Attack Time	< 70mSec
Time Out Timer	Programmable 0 - 240 Sec

RECEIVER

Sensitivity - 12 dB SINAD	0.25 uV (12 dB SINAD EIA) typical
	0.50 uV (20dB SINAD ETS) typical
Audio Response	300 - 3000 Hz (+1 -3 dB) de-emphasized 6 dB/Oct
Audio Output	>500 mW
Audio Distortion	less than 5%
Hum & Noise	-38 dB (dependant on Channel Spacing)
Squelch	Preset
Modulation Acceptance	Greater than 5kHz
Adjacent Channel Selectivity	>-65 dB / 12,5 KHz (>70dB / 25 KHz)
Intermodulation	>-65 dB
Spurious Rejection	>-70dB
Co Channel Rejection	8dB
Channel Frequency Spread	Total per Band Model

Measurements in accordance with EIA, ETS 300 086, SABS 1069, CE