



HRC-610/E Handheld Multi-Band Radio Communication System



DESCRIPTION

Benefiting from the latest technologies, HRC-610/E a multi-band Software Defined Radio (SDR) is designed and manufactured for establishing radio communication in frequency range of 30~512 MHz. Different communication capabilities, supporting various modulation types, and wide frequency range lead to establishment of communication with various types of available radios in this frequency range. Due to frequency hopping capability and internal encryption unit with very complicated local ciphering algorithm, this radio provides a secure and reliable communication for the operator in the battlefield. Jamming the radio is very difficult because of its frequency hopping capability in a wide frequency range (30~512 MHz) as the main feature.

General specifications	
Frequency range	30~512 MHz
Frequency channel spacing	8.33/12.5/25 KHz
Number of pre-set channels	250
Supply	14V battery pack
Antenna type	wipe
Modulation type	CPM-AM-FM, FSK, QPSK
TX specifications	
Output power	AM: 2W (PEP) FM: 500mW, 2W
Harmonic rejection	45dBc
Distortion	AM: less than 5% FM: less than 3%
RX specifications	
Sensitivity	AM: -104dBm (10dB SINAD) FM: -113dBm (10dB SINAD)
Distortion	AM: less than 5% FM: less than 3%
Image rejection	70dB
IF rejection	80dB
Adjacent channel rejection	37dB
Physical & Environmental specifications	
Dimension (H×W×D)	240×75×48 mm
Weight	less than 1Kg
Operating temperature	-20°C ~ +65°C
Storage temperature	-40°C ~ +70°C
Environmental standard	MIL-STD-810F

