

MODEL 200U DMR

Handheld Two-Way UHF Digital Portable Radio

Product Description

The Model 200U DMR is a highly capable, reliable, modern, digital portable radio solution that is designed for mission critical environments. It offers a digital communications solution based on the DMR standard.

System Features

General

- Frequency Range: UHF: 350-390MHz or 400-480MHz
- Number of Channels: 1000 Channels 12.5kHz
- Channel Spacing: 7.4v
- Operating Voltage: Li-ion
- Battery Type:
- Operating Temperature: -30°C+60°C
- Store Temperature: -40°C+85°C
- Antenna Impedance: > 50Ω
- Audio Output Power: ≤ 1000mW @16Ω
- Battery Capacity: 2000mAh
- Dimensions (H*W*D): 131*61*36mm
- Weight: 258g

Transmitter

- Output Power: High: ≤ 5W
Low: ≤ 1W
- Frequency Stability: +/- 1.0ppm
- Adjacent Channel: ≤ -60dB
- Free Time Slot Power: TDMA: ≤ 57dBm
- SNR: -40dB @ 12.5kHz
- Spurious Radiation: 9kHz-1GHz ≤ -36dBm
1GHz-12.75GHz ≤ -30dBm
- FM Modulation Mode: 12.5kHz: 11K0F3E
- 4FSK Digital Mode: 12.5kHz (data only): 7K60FXD
12.5kHz (data+voice): 7K60FXE



Transmitter cont.

- Modulation Maximum Deviation: 2.5kHz @ 12.5kHz
- Non-Active Slot Power: -57dBm
- Digital Protocol: ETSITS102 361-1-2-3
- Vocoder Type: AMBE+2TM
- Audio Response: +1dB ~ -3dB
- Modulation BER(Bit Error Rate): $\leq 5\%$

Receiver

- Analog Sensibility: 0.35uV/-116dBm (20dB SINAD)
0.22 uV/-120dBm (Type)
- Digital Sensibility: 0.3 uV/-117.4dBm (BER 5%)
0.22 uV/-110dBm (BER 1%)
- Co-Channel Rejection: ≥ -12 dB
- Spurious Response: TIA603C: 75dB ETSI: 70dB
- Adjacent Channel Selectivity: TIA603C: 65dB ETSI: 60dB
- Rated Audio Power: 1W
- Audio Response: =1dB ~ -3dB
- Rated Audio Distortion: 3% (Typical)
- Spurious Radiation: 9kHz-1GHz ≤ -57 dBm
1GHz-12.75GHz ≤ -47 dBm

