

VHF/UHF Transceiver



RL-308

Feature

- Flash Microprocessor
- Tone/ 5 Tone/ DTMF Signaling
- 16 Channels * 16 Groups (Max. 256 Channels)
- Built-in Voice Inversion Scrambler
- Wisper Mode
- Voice Compander
- TX Turbo Button (6W for VHF & 5W for UHF)
- Voice Announcement
- Programmable Side Buttons
- Remote Killing / Revival
- Emergency Siren
- Lone Worker
- Talk Around / BCLO / BTLO

Optional:

- Bluetooth
- Encryption (Midian, Transcrypt, NorComm...)
- MDC1200
- Man Down Alert

Technical Specifications

GENERAL		
1	POWER SUPPLY	RECHARGEABLE BATTERY 7.2V
2	FREQUENCY RANGE	66-88MHZ/138-174MHZ 400-470MHZ
3	MODULATION TYPE	F3E
4	FREQUENCY CONTROL	PLL SYNTHESIZER
5	CHANNEL SPACING	12.5KHZ/25KHZ
6	NUMBER OF CHANNEL	16 GROUPS X 16 CHANNELS UP TO 256
7	TEMPERATURE RANGE	OPERATION -20°C~+55°C
8	FREQUENCY STABILITY	±2.5PPM
9	HUMIDITY	OPERATIVE 90%
10	BATTERY LIFE	≥10 HOURS(1200mA)
11	DIMENSIONS	125X61X45 MM WITHOUT KNOB
12	SHOCK & VIBRATION	MEET MIL 810 C/D/E/F
13	HUMIDITY, RAIN, SALT FOG, DUST	MEET IEC529, IP55
TRANSMITTER		
1	RF OUTPUT POWER	5W/1W (VHF); 4W/1W (UHF)
2	MAXIMUM FREQUENCY DEVIATION	≤ 5KHZ@25KHZ ≤2.5KHZ@12.5KHZ
3	ADJACENT CHANNEL POWER	≤-60dBc@12.5KHZ; ≤-70dBc@25KHZ
4	SPURIOUS EMISSION	≤-36dBm
5	AUDIO DISTORTION	≤ 3%
6	FM HUM/NOISE	>36dB @12.5KHZ ; > 40dB@25KHZ
RECEIVER		
1	SENSITIVITY	≤ 0.25UV @12DB SINAD
2	ADJACENT CHANNEL SELECTIVITY	≥ 60dB
3	SPURIOUS RESPONSE REJECTION	≥ 70dB
4	INTERMODULATION RESPONSE REJECTION	≥ 60dB
5	AUDIO DISTORTION	≤ 3%
6	AUDIO OUTPUT POWER	≥ 500MW @10% DISTORTION
7	FM NOISE	45dB@25KHZ ; 40dB@12.5KHZ

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