Ranger VHF/UHF Professional FM Transceiver

R1 Series

R1-V VHF FM Transceiver (136-174 MHz)
R1-U UHF FM Transceiver (400-470 MHz)

Features

- PC or Field programmable
- 128 memory channels
- Built-in CTCSS & DCS encoder / decoder
- Built-in Scrambler
- Selectable power output
- FM radio, can store up to 25 radio stations
- Wide / narrow bandwidth selective
- Multi-functional keypad
- Power on password protection
- Lithium-ion Rechargeable battery
- 53 x 98 x 30 mm compact body

General

- Frequency Range: 136-174MHz - 400-470MHz
- Channel No.: 128
- Frequency Stability: 5PPM
- Operating Voltage: -20 ~ +50
- Antenna: High gain antenna
- Antenna Impedance: 50Ω
- Operating Voltage: DC 7.4V
- (Rechargeable Li-ion battery)
- Mode of operation: Simple or semi-duplex
- Dimensions (W×H×D): 98x53x30mm

Receiver

- RF Sensitivity: 0.20μV (12db SINAD)
- Squelch Sensitivity: 0.18μV
- Audio power: ≥ 400mW
- Audio Distortion: ≤ 10%
- Intermodulation: 50dB
- Standby Current: 46mA
- Selectivity: ≥ 65dB ≥ 60db
- Spurious Rejection: ≥ 65db
- Blocking: ≥ 85

Transmitter

- Output power: 5W/1W VHF - 4W/1W UHF
- Modulation Mode: F3E
- Maximum deviation: ± 5kHz
- Remnant Modulation: 60dB
- Spurious Radiation: ≤ 7μW
- Adjacent Ch. power: ≥ 65dB/≥ 60db
- Pre-emphasis characteristics: 6db
- Current: 0.7A/1.0A/1.5A
- CTCSS/DCS deviation: 0.5kHz/0.01kHz 0.3kHz/0.1kHz
- Intermodulation sensitivity: ≤ 12mv
- Intermodulation distortion: ≤ 10%

Accessories

- R1
- Antenna
- Li-ion battery
- Charger
- Adapter
- Handstrap
- Belt Clip
- User Manual
- Warranty Card