

VHF/UHF Mobile Radios

Rugged. Reliable. Easy to Operate. And Made in the USA.

- Small and compact
- Bright alpha/numeric LED display
- 2 dual-function programmable buttons
- Robust, front-firing speaker (5 watts)
- All metal, uni-body construction
- Wide or narrow band capable

NEW!

RPM 60 Series



VHF 30/5 Watt, 35Ch, 136-162, 148-174 MHz
UHF 30/5 Watt, 35Ch, 450-470 MHz



The RPM 60 Series is compatible with these Ritron wireless products!



VHF/UHF Portable Radios



Liberty Repeater



Patriot Base Station Wireless Intercom



OutPost Callbox



Teleswitch Wireless Switch Control

RPM 60 SERIES MOBILE FEATURES

- PC Programmable —Windows based programming software CD-ROM
- Dealer/Field Programming Mode (no PC or software required)
- Programmable frequency steps:
VHF:2.5kHz/5kHz/7.5kHz/10kHz/12.5kHz
UHF:6.25kHz/12.5kHz/25kHz
- CTCSS and DCS Signaling by channel
- Channel Scan, normal or priority
- Companding by channel
- DTMF ANI Encode by channel
- 2-Tone Encode/Decode by channel
- 3 to 7 Tone Encode ANI by channel (compatible w/ SLX)
- Voice Scrambler* by channel -Frequency Inversion (compatible only w/ 60 Series mobiles)
- Call Tone
- "Channel Busy" TX Inhibit
- "Channel Monitor" lock-out
- External Speaker Jack for remote mount speaker
- AUX Output Connector for external data devices e.g. mobile terminals, GPS receivers etc
- Optional MDC1200 Encoder

Includes: 1 year factory warranty, radio mounting bracket, RM-4 hand mic w/ hang-up bracket, 12 VDC power cable w/ in-line fuse.

Standard Accessories

RM-4 Hand Microphone
RPMK-12 Installation Kit includes Adjustable Mounting Bracket, 12VDC Power Cable, Hardware and Installation Instructions



Optional Accessories

RM-6TT Hand Microphone with 12-key DTMF Keypad



RSP-5 External 5 Watt Speaker with 10 ft. Cord/3.5mm Plug



RM-6 Desktop Microphone
RAM-1545 Dual-Band(VHF/UHF) Magnet-mount Antenna with 20ft. RG-58 coax/BNC
RAM-45 UHF Wave Whip Magnet-mount Antenna with 12 ft. RG-58 coax/PL-259
RPM-MRM-60 Series Maintenance/Operating Manual

NOTE: Factory programming of channels, codes, and features also available.

SPECIFICATIONS

GENERAL

| | VHF: RPM-160 | UHF: RPM-460 |
|-----------------------------|-----------------------------|---|
| FCC ID: | AIERIT24-160 | AIERIT24-460 |
| FCC Parts: | 90 | 90, 95 |
| IC Certification: | 1084A-RIT2160 | 1084A-RIT24460 |
| Frequency Range: | 136-162 MHz, 148-174 MHz | 450 - 470 MHz |
| Channel Spacing: | 2.5/5.0/12.5 kHz | 6.25/12.5/25 kHz |
| Channel Capacity: | | 35 |
| Tone/Code Signaling: | | Decode: CTCSS, DCS, 2-Tone Encode: CTCSS, DCS, 2-Tone, DTMF, Selcall (3 to 7tone) |
| Scanning: | | Normal and Priority |
| Power requirements: | | 11.5 to 14.5VDC |
| Current Requirements: | | Standby: 0.23A, Receive: 0.45A Transmit - Low: 2.0A @ 5 W - High: 7.0A @ 30 W |
| Frequency Stability: | | + 2.5PPM (- 30 to + 60 C) |
| Antenna Connector: | | 50 ohms, UHF (SO-239) |
| Microphone Connector: | | Modular, RJ-11, 6-conductor |
| External Speaker Connector: | | 3.5mm jack |
| AccessoryConnector: | | 10 pin (optionally installed) |
| Weight: | | 2.2 lbs |
| Dimensions: | | 2.1"H x 5.8"W x 6.2"D |
| TRANSMITTER | | |
| RF Power Output: | | High: 30 W Low: 5 W |
| Emission Designator: | | 10K4F3E , 15K0F3E |
| Spurious and Harmonics: | | - 75dBc |
| Audio Response: | | Meets EIA requirements |
| FM Hum/Noise: | | - 45dB @ 25 kHz - 40dB @ 12.5 kHz |
| Audio Distortion: | | < 5% |
| Timeout Timer: | | Adjustable |

RECEIVER

| | |
|---------------------------|-------------------------------------|
| Receiving System: | Dual Conversion, Superheterodyne |
| I.F System: | 43.65 MHz (1st), 450 kHz (2nd) |
| Sensitivity (12dB SINAD): | 0.20uV typical, 0.25uV max |
| Selectivity (EIA): | - 65dB @ 12.5 kHz, - 70dB @ 25 kHz |
| Spurious Rejection (EIA): | - 70dB |
| Image Rejection (EIA): | - 65dB |
| Intermodulation (EIA): | - 70dB |
| FM Hum/Noise: | - 45dB @ 25 kHz, - 40dB @ 12.5 kHz |
| Audio Output: | 5 Watts into 4 ohms, <5% distortion |

Your Local Dealer



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