

Pushing the envelope for greater versatility and functionality

- 512 channels with dynamic zoning, 256 programmable zones
- 136-174 MHz VHF or 450-512 MHz UHF
- 12.5/15KHz narrowband, 25/30 KHz wideband channel spacing, software controlled for each channel independently
- Single zone scan, multiple zone scan and list zone scan
- RF output - 50/15/5-watts VHF; 45/15/5-watts UHF, user selectable
- 5-watt internal speaker; 12-watt external speaker optional
- Built-in 1200/2400bps MSK modem for data transmission
- Scan add/delete, dual priority channel, nuisance channel delete, operator-selectable priority channel
- Ignition-sensing power off
- Time-out timer
- Compact, lightweight, ready to install; optional remote-mount control head
- Voice compander for exceptional audio quality and clarity
- PC- and front-panel-programmable for easy customization
- MDC 1200 Encode with emergency features
- Built-in scrambler
- Wireless cloning transfers information from mobiles automatically over the air
- User-selectable CTCSS/CDCSS tone and digital code guard
- *FLASH* technology enables future enhancements via software
- Radio password and data password protected
- Emergency siren, public address via external speaker

Powerful, compact, professional

The RELM/BK RMV800A VHF and RMU800A UHF Mobile Radios offer the features and functions you want and need in a powerful, compact, state-of-the-art package. The result is an exceptionally versatile radio with cost-performance value unavailable elsewhere.

With 50 watts VHF or 45 watts UHF of RF output power respectively, plus a 5-watt speaker and voice compander, these radios deliver clear, strong audio quality. And a 12-watt amplifier and an external speaker are available for operation in noisy conditions.

Their superior design means that functions and features are software-driven, creating inherent efficiencies that result in significant cost savings without compromising quality, performance, reliability, or durability even under the most demanding conditions.

These new radios are specifically designed to be easy to use and custom-program to meet your individual requirements. Front-panel controls and the LCD display make it simple to select between channel number, frequency, or alphanumeric labels. You can assign one-touch control buttons to a wide variety of functions – scan control, emergency call, public-address operation, send page, and more.

You can scan multiple channels while monitoring priority channels, add or delete scan channels, and talk back on scan channel. Messages can be edited via keypad and stored via software programming. And you can switch from repeater to radio-to-radio operation with one simple touch.

The built-in scrambler provides enhanced security for sensitive public safety and private security communications. A remote stun-revive feature provides added security by preventing unauthorized use of lost or unguarded units. The radio can also be used to remotely control other electronic equipment via DTMF or five-tone signaling.

The rugged, easy-to-use microphone with modular-style connector and heavy-duty cable add to the radio's reliability and durability.

The new RMV/RMU800A mobile units offer a wide array of features normally found on much more expensive radios, plus rock-solid reliability along with the RELM value tradition – higher performance at lower cost.



RELM BK
RADIO



800

RELM/BK RMV800 and RMU800 Mobile Radios Specifications

General

Frequency Range 136-174 MHz VHF
450-512 MHz UHF
Channel Capacity 512 max.
Zone Capacity 256 max.
Channel Spacing 25/30 and 12.5/15 KHz
Operating Voltage 13.6 VDC +/-15%
Current Drain 0.5 A Standby
< 2.0 A Receive
< 8 A Transmit (25W)
< 12 A Transmit (50W)
Frequency Stability +/-2 ppm
Operating Temperature -30 ~ +60 C
Antenna Impedance 50 Ohm
Dimensions (LxWxH) 6.5" x 7.1" x 1.9"
Weight 4.2 lbs.

Transmitter

RF Power Output—selectable 50/15/5-watts VHF; 45/15/5-watts UHF
Modulation F3E
Spurious and Harmonics **25W** ————— **50W** ————— **25W** ————— **45W**
-36 dBm<1 GHz -33 dBm<1 GHz -36 dBm<1GHz -28 dBm<1GHz
FM Hum & Noise (wide/narrow) 48/42dB
Audio Distortion +/- 3%

Applicable MIL-STD 810C/D/E/F

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures	MIL 810 F Methods / Procedures
Low Pressure	500.1/ I	500.2/ I,II	500.3/ I,II	500.4/ I
High Temperature	501.1/ I,II	501.2/ I,II	501.3/ I	501.4/ I, II
Low Temperature	502.1/ I	502.2/ I,II	502.3/ I,II	502.4/ I, II
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I, II
Rain	506.1/ II	506.2/ II	506.3/ II	506.4/ III
Humidity	507.1/ II	507.2/ II,III	507.3/ II,III	507.4/ I
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4/ I
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I
Vibration	514.2/ VIII,X	514.3/ I	514.4/ I	514.5/ I
Shock	516.2/ I,II,V	516.3/ I,IV	516.4/ I,IV	516.5/ I



Microphone and install kit included



Making reliable communications affordable

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