

## Compact, rugged, easy to use.

- 16 channels
- 150-174 MHz VHF or 450-470 MHz UHF frequency range
- Rock-solid reliability – meets tough MIL-STD 810 specs
- 12.5/25KHz narrowband/wideband channel spacing
- Priority channel scanning, home scan, talkback scan
- 5-watt (VHF) or 4-watt (UHF) RF power output
- Windows programmable
- Busy-channel lockout
- Rapid-rate desktop charger included



- Built-in two-tone pager
- Compact, light-weight, easy to carry and use
- Exceptional audio quality and clarity
- Weatherproof design
- Longer life – up to 9 hours -- between battery charges/changes
- CTCSS/CDCSS tone and digital code guard

## Unmatched value in a user-friendly portable.

The RELM RPV516A VHF and RPU416A UHF Portable Radios combine feature-rich functionality, rock-solid reliability and unmatched value. Their built-in pager means one less device you have to purchase and carry.

Crisp, clear audio quality even under noisy conditions. Built-in CDCSS/CTCSS tone-squelch options help differentiate talk groups and minimize undesired audio traffic.

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

Above all, the RELM RP portables are always easy to use and easy to customize to meet your particular requirements. Busy-channel lockout prevents radio users from transmitting on a channel in use by another party. Priority scan, home scan, and talkback scan combine to make the RP portables even simpler and easier to use. And straightforward one-button push-to-talk means instant communications.

And as a result of advanced engineering techniques, RPV and RPU radios have lower current drain than other portables, which means significantly longer battery life between battery charges or changes.

RPV and RPU radios also have the ability to clone group information from one radio to another.

Standard RELM RP radio accessories include the desktop charger, antenna, 1100 mAH NiMH battery, and belt clip.



RELM BK  
RADIO

Making reliable communications affordable



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**RELM RPV516A and RPU416A  
Portable Radio/Pager**

**Specifications**

**RPV516A & RPU416A  
Features**

- Compact, Powerful, User-Friendly
- 16 Channels
- 5 or 4 Watt
- Scan
- CTCSS/DCS
- 2 Tone Encode/Decode
- Mil Spec

General	RPV516A	RPU416A
Channels	16	16
Frequency Range	150-174 MHz	450-470 MHz
Number of Channels	16	16
RF Power Output	5 Watts	4 Watts
Channel Spacing	25/12.5kHz	25/12.5kHz
Operating Temperature	-30°C to +60°C	-30°C to +60°C
Operating Bandwidth - VHF/UHF	24MHz/20MHz	24MHz/20MHz
Channel Increments	2.5/6.25kHz	2.5/6.25kHz
Frequency Stability	+/-2.5PPM	+/-2.5PPM
Standby Current	20 mA	20 mA
Battery Life	9 hours	9 hours
Dimensions - H x W x D	5.5" x 2.4" x 1.4"	5.5" x 2.4" x 1.4"
Weight with Battery	14 oz.	14 oz.
FCC ID	ARURPV599A	ARURP599A

Transmitter	Wide	Narrow
Hum & Noise	-35dB	-40dB
Audio Distortion	<5%	<5%
Spurious & Harmonics	-70dB	-70dB
Modulation	16K0F3E	11K0F3E

Receiver	Wide	Narrow
Sensitivity: 12 dB SINAD	0.25uV	0.25uV
Selectivity	<=60dB	<=60dB
IMD	60dB	60dB
Spurious Response	60dB	60dB
Image Response	60dB	60dB
Squelch Opening	8 dB SINAD	8 dB SINAD
Audio Output @ 10% dist	500mW	500mW
Signal Displacement	2 kHz	1 kHz

**MIL-STD 810 Standard**

- Low Pressure
- High Temperature
- Low Temperature
- Temperature Shock
- Solar Radiation
- Rain
- Humidity
- Salt Fog
- Dust
- Vibration
- Shock

**C Method/Procedures**

- 500.1/Procedure I
- 501.1/Procedure I, II
- 502.1/Procedure I
- 503.1/Procedure I
- 505.1/Procedure I
- 506.1/Procedure I, II
- 507.1/Procedure II
- 509.1/Procedure I
- 510.1/Procedure I
- 514.1/Procedure VIII, X
- 516.2/Procedure I, II, V

**D Method/Procedures**

- 500.2/Procedure I, II
- 501.2/Procedure I, II
- 502.2/Procedure I, II
- 503.2/Procedure I
- 505.2/Procedure I
- 506.2/Procedure I, II
- 507.2/Procedure II, III
- 509.2/Procedure I
- 510.2/Procedure I
- 514.3/Procedure I
- 516.3/Procedure I, IV

**E Method/Procedures**

- 500.3/Procedure I, II
- 501.3/Procedure I
- 502.3/Procedure I, II
- 503.3/Procedure I
- 505.3/Procedure I
- 506.3/Procedure I, II
- 507.3/Procedure II, III
- 509.3/Procedure I
- 510.3/Procedure I
- 514.4/Procedure I
- 516.4/Procedure I, IV

Specifications subject to change without notice. Measurements made in accordance with applicable TIA/EIA-603-A standards.

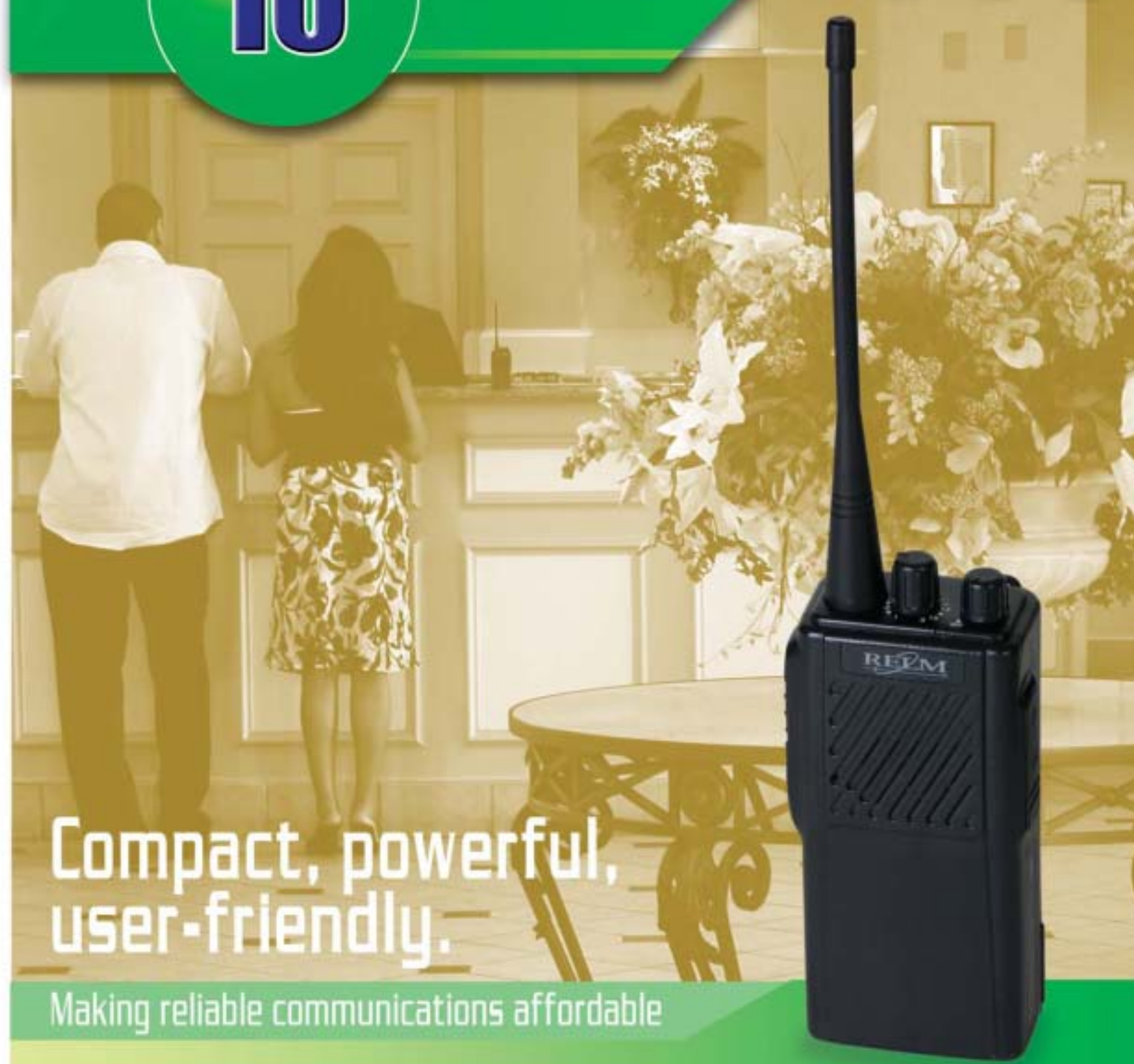


**Making reliable communications affordable**

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Portable Radio/Pager**



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