

# RP Series

fast. simple. reliable.

RELM Communications brings its 50 plus year tradition of high quality and product reliability to the user friendly RP Series Portable Radios. Ninety-nine channels of instant push-to-talk communications in a compact, feature rich package make the RP Series a superior solution for your communications needs.



- ◆ *99 Channels*
- ◆ *5 Watt VHF / 4 Watt UHF*
- ◆ *148 - 174 MHz or 450 - 470 MHz*
- ◆ *Two-Tone Decode/Encode*
- ◆ *CTCSS/DCS*
- ◆ *Wireless Cloning*
- ◆ *Rapid Desktop Charger*
- ◆ *1500 mAH NiMH Battery*
- ◆ *Windows Programmable*
- ◆ *Narrowband/Wideband*
- ◆ *16 Digit ANI*
- ◆ *DTMF Encode/Decode*

**RELM**<sup>TM</sup>

Quality • Service • Dedication

# RP Series

ninety-nine channel portables

## SPECIFICATIONS

	VHF	UHF
Model Number	RPV599A	RPV499
Frequency Range - MHz	148-174	450-470
Number of Channels	99	99
RF Power Output - Watts	5/1	4
Channel Spacing - kHz	25/12.5	25/12.5

### General

Operating Temperature	-30C to +60C
Operating Bandwidth - VHF/UHF	26 MHz/20 MHz
Channel Increments	2.5/6.25 kHz
Channel Spacing	25kHz/12.5kHz
Frequency Stability	+/- 2.5 PPM
Standby Current	20 mA
Battery Life (with battery save)	>10 hours
Dimensions - H x W x D	5.8" x 2.5" x 1.3"
Weight	14 oz.
Display	LCD

### Features

Scan Operation Priority/Home/Talkback  
 CTCSS/CDCSS Standard  
 Keypad Programmable  
 Wireless Cloning  
 Two-Tone Decode Standard  
 DTMF Encode/Decode  
 Time Out Timer Standard  
 Busy Channel Lockout  
 Windows Programmable  
 16 Digit ANI  
 Battery Conditioning Charger

### Transmitter

Hum & Noise-Narrow/Wide	-40/-35 dB
Audio Distortion	<5%
Spurious & Harmonics	-60 dB
Modulation	11K0F3E 16K0F3E

### Receiver

Sensitivity-12dB Sinad	0.25 uV/0.28 uV
Selectivity-Wide/Narrow	<=70 dB/60 dB
IMD-Wide/Narrow	65 dB
Spurious Response	60 dB
Image Response	60 dB
Squelch Opening	8 dB SINAD
Audio Output	500mW @ <5% Distortion

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An ISO9001 Compliant Company

### Mil-Spec 810 C/D/E

High Temperature, Low Temperature, Humidity, Dust,  
 Vibration, Shock.

FCC ID# ARURPV599A, ARURPU499A  
 Measurements made in accordance with applicable EIA standards.  
 Specifications subject to change without notice.  
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