

3000

RELM/BK RP3000 Portable Radio/Pager

Compact, rugged, easy to use.

- 16 programmable channels, easy to customize
- 145-175 MHz VHF or 440-470 MHz UHF frequency range
- Rock-solid reliability – meets tough MIL-STD 810 specs
- Flex-Mode™ per-channel narrowband/wideband channel spacing – 12.5KHz/25KHz
- Priority channel scanning, talkback scan, nuisance channel delete
- 5-watt (VHF) or 4-watt (UHF) RF power output
- Busy-channel lockout
- Rapid-rate desktop charger included
- Built-in two-tone pager with vibrate, tone or emergency siren alert
- Palm-size, light-weight, easy to carry and use
- Exceptional audio quality and clarity
- Weatherproof design
- Longer life between battery charges/changes – up to 14 hours with high-capacity lithium-ion batteries
- Built-in 1200/2400 bps modem and MSK modulator for data transmission
- Wireless cloning technology transfers information from one radio to another automatically
- *FLASH* technology enables future enhancements via software instead of hardware changes
- Voice-operated transmit (VOX)
- One-button emergency alarm with siren and ANI



Half the size, double the performance, value.

The RELM/BK RP3000 VHF and UHF Portable Radios combine feature-rich functionality, rock-solid reliability and unmatched value. The built-in pager, which can also be programmed to send pages, means one less device you have to purchase and carry. Yet it is small enough to fit in the palm of your hand.

Special voice compression technology delivers crisp, clear, strong audio quality even under noisy conditions. Built-in CDCSS/CTCSS tone-squelch options help differentiate talk groups and minimize undesired audio traffic. And the built-in modem and MSK modulator enable reliable data transmission, as well.

Its 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.

Even with its many features, the RELM/BK RP3000 portable is always easy to use. Busy-channel lockout prevents radio users from transmitting on a channel in use by another party. And Repeater Talk-Around lets you bypass the repeater and talk radio-to-radio.

You can also program each group for different range requirements or power restrictions. Low-power settings for localized use have the added benefit of battery conservation. And as a result of advanced engineering techniques, RP3000 radios have lower current drain than other portables, which means significantly longer battery life between battery charges or changes. With the new high-capacity lithium-ion battery, service cycles are extended to as much as 14 hours.

The RP3000 radio also has the ability to clone group information from one radio to another. And *FLASH* technology enables you to quickly and easily add future enhancements, features and capabilities without making hardware changes.

Standard RELM/BK RP3000 accessories include the desktop charger, antenna, lithium-ion battery pack, and belt clip. Optional accessories include low-profile headsets, external speaker-microphones and leather carrying cases.



Making reliable communications affordable

3000**RELM/BK RP3000 Portable Radio/Pager****RP3000 Features**

- Palm-Size, Compact, Rugged
- 16 Channels, easy to customize
- Wireless Cloning
- 4 or 5-Watt Power Output
- Emergency Alarm/Siren with Silent Vibrate Alerts
- Built-in CDCSS/CTCSS, Built-In 2-Tone/5-Tone Encode and Decode
- Automatic Number Identification (ANI)
- Voice-Operated Transmit (VOX)
- Voice Comander for Clear and Crisp Audio
- Multi-Function Scan
- Busy Channel Lockout
- Tri-Color Radio Status Indicator
- MIL-STD 810 C/D/E Specs.
- Built-In Modem
- Flash Processor Advantage
- MDC-1200 Signaling

Specifications

General	RPV 3000A	RPU 3000A
Frequency Range	145-175 MHz	440-470 MHz
Channel Capacity	16	16
Channel Spacing	25KHz/12.5KHz	25KHz/12.5KHz
Operating Voltage	7.2V Nominal	7.2V Nominal
Antenna Impedance	50 Ohms	50 Ohms
Operating Temperature	-30°C to +60°C	-30°C to +60°C
Channel Increments	2.5KHz / 6.25KHz	2.5KHz / 6.25KHz
Dimensions - mm	56.7(W) X 105.5(H) x 32(D)	56.7(W) X 105.5(H) x 32(D)
Weight (excluding battery)	5.5 oz.	5.5 oz.
Battery Chemistry	Lithium-ion	Lithium-ion
FCC ID	R74TC3000V	R74TC3000U
Transmitter	RPV 3000A	RPU 3000A
Carrier Output Power	2 or 5 W Selectable	2 or 4 W Selectable
Spurious and Harmonics	-70	-70
Audio Distortion (300-3000Hz)	< 3% (wide) < 5% (narrow)	< 3% (wide) < 5% (narrow)
Frequency Stability (-30 to +55C)	2.5 ppm	2.5 ppm
Max. Frequency Deviation	±5KHz (wide) ±2.5KHz (narrow)	±5KHz (wide) ±2.5KHz (narrow)
FM Modulation	16K0F3E 11K0F3E	16K0F3E 11K0F3E
Receiver	RPV 3000A	RPU 3000A
Sensitivity (12dB/20dB SINAD)	0.25_V	0.35_V
Adjacent Channel Selectivity	70dB (wide) 60dB (narrow)	70dB (wide) 60dB (narrow)
Intermodulation Rejection	70dB (wide) 65dB (narrow)	70dB (wide) 65dB (narrow)
Spurious Response Rejection	70dB	70dB
Audio Power Output	500mW	500mW
Audio Distortion	5% @ 500mW	5% @ 500mW

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.

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RADIO

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