

**3300****RELM/BK RP3300 Portable Radio****FEATURES**

- Palm-Size, Compact, Light Weight
- 128 Programmable Channels, 8 Zones, 16 Channels Per Zone
- DES or AES 256-bit Encryption
- Wireless Cloning
- Over-the-air re-keying (OTAR)
- 4 Watts or 2 Watts Power Output
- PC programmable
- Emergency Alarm/Siren
- Flex-Mode™ per-channel narrowband/wideband channel spacing
- Built-in CDCSS/CTCSS
- Built-in Modem
- Priority Channel Scanning, Talkback Scan
- Nuisance Channel Delete
- Automatic Number Identification (ANI)
- Voice-Operated Transmit (VOX)
- Busy-Channel Lockout
- FLASH Technology
- Optional Squadcom™ Military Package Headset, Belt Clip, Spare Battery, Nylon Carrying Case

**SPECIFICATIONS****GENERAL**

Frequency Range	RPV3300A – 145-175MHz VHF; RPU3300C – 380-430MHz UHF; RPU3300A – 450-470MHz UHF
Channel Capacity	128
Channel Spacing	25KHz/12.5KHz
Operating Voltage	7.2V Nominal
Antenna Impedance	50 Ohms
Operating Temperature	-30 °C to +60 °C
Channel Increments	2.5KHz/6.5KHz
Dimensions	56,7mm (W) x 105mm (H) x 32mm (D)
Weight (incl. battery)	10 oz.
Battery	1700mAh Lithium-ion
FCC ID	R74TC3600C

**TRANSMITTER**

Carrier Output Power	4 Watts or 2 Watts, selectable
Spurious and Harmonics	-70dB
Audio Distortion (300-3000Hz)	<3% wide, <5% narrow
Frequency Stability (-30 °C to 55 °C)	2.5ppm
Max. Frequency Deviation	+5KHz wide, +2.5KHz narrow
FM Modulation	16KOF3 11KOF3E

**RECEIVER**

Sensitivity	(12dB/20dB SINAD) 0.35µV
Adjacent Channel Selectivity	70dB wide, 60dB narrow
Intermodulation Rejection	65dB
Spurious Response Rejection	79dB
Audio Power Output	500mW
Audio Distortion	+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 and TIA/EIA 102CAA standards.



**RELM BK**  
RADIO

Making reliable communications affordable

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**RELM/BK RP3300 Portable Radio****3300**

Small, lightweight,  
reliable.

Making reliable communications affordable

**RELM BK**  
RADIO

3300

# RELM/BK RPU3300 Portable Radio

## Rugged military design for dependable performance in the field

- 128 programmable channels in eight zones, 16 channels per zone
- 380-430 MHz VHF, 145-175 or 440-470 MHz UHF frequency range
- Palm/pocket size, light weight – 10 oz.
- Special Squadcom™ military package option with military headset, spare battery, ballistic nylon carrying case
- DES or AES 256-bit encryption
- Wireless cloning – reprogram channel data on radios in the field over the air in just minutes
- Over-the-air re-keying (OTAR) to store up to 16 unique keys, remote radio kill, radio disable, radio check, receiver-transmitter disable, or to open mike (spy mode)
- PC programmable
- Rock-solid reliability – meets tough MIL-STD 810 C/D/E specs
- Flex-Mode™ per-channel narrowband/wideband channel spacing – 12.5KHz/25KHz
- Priority channel scanning, talkback scan, nuisance channel delete
- 4/2 Watts (selectable) RF power output
- Voice compander for clear, crisp audio
- Busy-channel lockout
- Automatic Number Identification (ANI)
- Built-in CDCSS/CTCSS
- Weatherproof design
- Longer life between battery charges/changes – 14 hours
- Built-in 1200/2400 bps modem for data transfer
- FLASH technology enables future enhancements via software instead of hardware changes
- Voice-Operated Transmit (VOX)
- One-button emergency alarm with siren



Courtesy DoD

Courtesy DoD

The RP3300 VHF and UHF Portable Radios combine feature-rich functionality, rugged reliability and unmatched value. Developed with FORSCOM guidance for the soldier in the field, often overloaded with equipment on extended missions and who needs secure communications, these radios are small enough to fit in the palm of your hand, are easily concealed, and weigh only 10 ounces. Yet they are designed to provide dependable performance in even the most demanding environmental and climate extremes.

These radios have been deployed by the 4th Infantry Division in combat operations with “no issues,” according to their G6 Operations Officer.

You can choose either DES or AES 256-bit encryption for assured communications security.

The RP3300 features wireless cloning – the ability to clone information from one radio to another over the air. So you can reprogram channel data on any number of radios within range in just a matter of a couple of minutes. As radios are moved into areas that require adding different frequencies, you can do it easily without the necessity of bringing those radios in for reprogramming.

And over-the-air re-keying (OTAR) allows you to remotely store up to 16 unique keys, and makes it simple and easy to check on other radios, kill radios, disable radios, disable their receiver or transmitter or turn on their microphones to monitor the situation at their locations (spy mode).

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 transfer, as well.

The superior design of the RP3300 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 extreme field conditions.

Even with its many features, the RELM/BK RP3300 portable is always easy to use. You can program each radio or group of radios for different range requirements or power restrictions. Low-power settings for localized use have the added benefit of battery-power conservation. And as a result of advanced engineering techniques, RP3300 radios have lower current drain than other portables, which means significantly longer batter life between charges or changes – more than 14 hours, and even longer when low-power settings are used.

The RP3300 also incorporates FLASH technology, which enables you to quickly and easily add future enhancements, features and capabilities without making hardware changes.

The RPU3300CM Squadcom? military package includes a comfortable military-style headset, including a swivel earpiece, for attachment on a military or SWAT helmet, a flexible noise-canceling chin strap microphone, a ballistic nylon carrying case and a spare battery.

The standard RP3300 portable comes complete with antenna and a 1700 mAH lithium-ion battery. A complete array of available accessories includes a throat microphone and a security-style earpiece.

