

3600

## RELM/BK RP3600 Plus Portable Radio/Pager

### Compact, rugged, easy to use.

- 256 programmable channels in 16 zones, 16 channels per zone, easy to customize
- 145-175 MHz VHF; 440-470 or 470-520 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
- 5/2-watt (VHF) or 4/2-watt (UHF) RF power output
- Field programmable – by keypad or PC – for easy customizing
- Busy-channel lockout
- Rapid-rate desktop charger included
- MDC1200 encode/decode
- 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 with voice storage for later playback of voice pages
- 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
- DTMF encode

### Half the size, double the performance, value

The RELM/BK RP3600 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 or sacrificing quality, performance, reliability, or durability even under the most demanding conditions.

MDC1200 encode/decode enables calls to any individual radio, group, fleet or across all zones. And if a radio is lost or stolen, it enables over-the-air kill, stun or revive commands.

Even with its many features, the RELM/BK RP3600 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, RP3600 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 RP3600 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 RP3600 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.



RELM/BK  
RADIO

**3600****RELM/BK RP3600 Plus Portable Radio/Pager****RP3600 Plus Features**

Palm-Size, Compact, Rugged

256 Channels (16 Zones/16 Channels per Zone)

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

High-Visibility LCD Display

MIL-STD 810 C/D/E Specs.

Built-In Modem

Flash Processor Advantage

MDC1200 encode/decode

**Specifications****General**

	<b>RPV 3600A</b>	<b>RPU 3600A</b>
Frequency range	145-175 MHz	440-470 or 470-520 MHz
Channel capacity	256	256
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)	6.5 oz.	6.5 oz.
Battery Chemistry	Lithium-Ion	Lithium-Ion
FCC ID	R74TC3600V	R74TC3600U

**Transmitter**

	<b>RPV 3600A</b>	<b>RPU 3600A</b>
Carrier output power	2 or 5 Watts Selectable	2 or 4 Watts Selectable
Spurious and harmonics	-70dB	-70dB
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**

	<b>RPV 3600A</b>	<b>RPU 3600A</b>
Sensitivity (12dB/20dB SINAD)	0.25µV	0.35µV
Adjacent channel selectivity	70dB (wide) 60dB (narrow)	70dB (wide) 60dB (narrow)
Intermodulation rejection	65dB	65dB
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.

**RELM BK**  
RADIO**Making reliable communications affordable**

RELM Wireless Corporation

7100 Technology Drive • West Melbourne, FL 32904

USA: 800-821-2900 • International: 321-984-1414 • Fax: 800-704-3177

E-mail: sales@relm.com Website: www.relm.com

**RELM/BK RP3600 Plus  
Portable Radio/Pager****3600****Compact, powerful, easy to use.****Making reliable communications affordable****RELM BK**  
RADIO