



## BK Radio GPH Plus Portable Radio Specifications

### Included \_\_\_\_\_

- Tone Code Guard (CTCSS)
- Digital Code Guard (CDCSS)
- User Selectable Code Guard
- Transmit Time-Out Timer
- Frequency Display
- User Selectable Scan
- Dual Priority Scan
- TalkBack Scan
- Busy Channel Lockout
- Busy Channel Indicator
- DTMF ANI
- DTMF Encode
- Programmable Soft Switches

### Options \_\_\_\_\_

- Upgrade to APCO P25 Flash Utility

## Specifications

### General \_\_\_\_\_

Channels _____	400
Frequency Range _____	136 - 174 MHz
Alphanumeric Display _____	LCD
Current Drain:	
Standby _____	20 mA
Receive _____	255 mA
Transmit _____	1.5 A
Operating Temperature _____	-30 to +60 °C
Size W x D x H _____	2.55 x 1.5 x 6.6 in. (Standard Battery)
	2.55 x 1.5 x 7.8 in. (Large Battery)
Weight _____	20 oz. (Standard Li-Ion)
	24 oz. (Large Li-Ion)
Stability _____	+/-2.5 PPM
Channel Spacing _____	25/30 and 12.5/15 kHz
Channel Increments _____	2.5/6.25 kHz
Antenna _____	Helical Wound, Molded Rubber Flex
FCC Type Acceptance _____	K95DPHX51 Parts 22, 74, 90

### Transmitter \_\_\_\_\_

RF Output Power _____	5/2 Watts
Operating Frequency Spread _____	38 MHz
Modulation _____	16K0FXE, 11K0F3E
Spurious and Harmonics _____	60 dB
Hum and Noise (per TIA) _____	50 dB (wide) / 45 dB (narrow)
Audio Distortion _____	3%
Antenna Output Impedance _____	50 Ohms (via side connector)
Audio Response (per EIA) _____	+1/-3 dB

### Receiver \_\_\_\_\_

Sensitivity (12dB/20dB SINAD) _____	-119 dBm
Selectivity _____	72 dB (wide) / 60 dB (narrow)
Spurious including Image _____	75 dB
Intermodulation _____	70 dB
Max. Audio Output (5% dist.) _____	500 mW
Audio Frequency Load _____	8 Ohms
Input Impedance _____	50 Ohms (via side connector)
Audio Response (per EIA) _____	+1/-3 dB

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



Sustaining Member



Making reliable communications affordable

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## BK Radio GPH Plus Portable

# High-performance analog today – upgrade to APCO P25 digital tomorrow



Making reliable communications affordable





# BK Radio GPH Plus Portable

## High-performance analog today – upgrade to APCO P25 digital tomorrow

- 400 channels, 25 user groups, 16 channels per group
- 136 - 174 MHz frequency range
- 5/2 watts RF power output
- Keypad programmable in the field, programmable soft switches and options, keypad programming lockouts
- Rock-solid reliability – meets tough MIL-STD 810 and approved by the U.S. Forest Service
- Flex-Mode™ per-channel narrowband/wideband channel spacing – 12.5/15 kHz and 25/30 kHz
- Channel and priority (dual priority) scan, talkback scan
- Nuisance channel delete

- Software upgradable to digital, allowing lower-cost migration from analog to full digital APCO P25 capabilities
- Easy to use, easy to program and customize
- Exceptional audio quality and clarity
- Weatherproof design
- Longer life between battery charges/changes – over 18 hours with new high-capacity lithium-ion battery
- Cloning technology transfers information to/from other BK Radio portables, with accept/decline cloning per group
- Enhanced user-selectable per-channel code guard for finding the best path without changing channels
- *FLASH* technology enables future enhancements via software instead of hardware changes



## All the radio you'll ever need

The BK Radio G Series portables from RELM Wireless combine proven rock-solid reliability with extreme versatility and ease of use. Each radio can be customized to provide a range of functions to meet your specific situation and requirements.

You can upgrade the GPH Plus portable to full digital capability that meets APCO P25 specifications and requirements – including interoperability – and at a lower cost than buying a new digital portable. And you can do it in the field via a new *FLASH* utility upgrade.

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 public safety conditions.

Programming is focused on the practical needs and requirements of the radio user. Despite a wide

variety of individual options, the BK Radio GPH Plus portable is always easy to use – a critically important factor in emergency situations. As a result of advanced engineering techniques, G Series radios have lower current drain than other portables, which means significantly longer battery life between battery charges or changes. And with the new high-capacity lithium-ion battery, service cycles are extended to more than 18 hours.

The G Series radio also has the ability to clone group information to or from other BK Radio portables, including DPH, GPH, EPH and LPH.

Additional economies are realized by using the accessories you already have for other BK Radio units such as antennas, microphones, batteries, cloning and programming cables, and carrying cases.



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