

BK Radio KNG P150 Portable Radio

Specifications

General

Channels	512, Dynamic Grouping
Frequency Range	136-174 MHz VHF
Operating Voltage	10 Volts Nominal
Standby Current Drain	<15 mA
Channel Spacing	12.5/25 kHz
Channel Increments	2.5 kHz
Operating Temperature	-30°C to +60°C
Dimensions	2.5" x 1.8" x 5.5"
Weight (incl. battery)	16 oz.
FCC Type Acceptance	K95KNGP150



Transmitter

RF Power Settings	High/Low Settings
	Programmable By Channel
Spurious and Harmonics	-75 dB
FM Hum and Noise	50/45 dB
Frequency Stability	1.5 PPM

Receiver

Sensitivity – 12 dB SINAD	-121 dBm
P25 Sensitivity – 5% BER	-121 dBm
Adjacent Channel Selectivity	80 dB
Intermodulation Reject Ratio	78 dB
Spurious and Image	80 dB
Audio Output @ 2% Distortion	500 mW

Best of the Best

VHF PORTABLE PERFORMANCE SPECIFICATIONS

KNG P150 vs. Competitors' Best P25 Products

	KNG P150	Prod. A	Prod. B	Prod. C	Prod. D	Prod. E
Receiver						
Sensitivity (dBm)	-121	-119	-121	-119	-119	-119
P25 Sensitivity (dBm)	-121	-119	-121	-116	-119	-119
Adjacent Channel (dB, wide)	80	78	80	75	75	75
P25 Adjacent Channel (dB)	60	60		60		60
Intermodulation (dB)	78	75	78	75	78	75
Spurious and Image (dB)	80	80	80	75	75	80
Audio Distortion (%)	2	1.5, 2	1	3	2	3
Transmitter						
RF Power (Watts)	1-6	1, 5	1-6	1, 5	1, 5	5
Frequency Stability (ppm)	1.5	2	2	1.5	1.5	2
FM Hum and Noise (dB, w/n)	50/45	50/45	48/42	40/34	45/40	45/40
Spurious and Harmonics (dB)	75	70	75	73	75	70

[Note: Numbers in boldface indicate best performance specifications.]

KNG P150 Features

- Palm-Size, Light Weight
- 512 Channels, Dynamic Grouping
- 1-6 Watts RF Output
- Radio-to-radio Cloning
- Multiple-Line Dot Matrix Display
- USB PC Programming
- MIL-STD 810 C/D/E/F, IP67
- Customizable Keypad Menu
- Battery Gauge
- Digital/Analog/Mixed-Mode
- Unit-To-Unit Call/Talkback
- NIST-Certified AES and DES/OFB Encryption
- Over-the-air-rekeying (OTAR)
- Busy Channel Selections
 - Inhibit On Carrier
 - Qualify With NAC
 - Allow/Inhibit NAC Mismatch
- Channel Scan
- Priority Scan
- Group Scan
- Nuisance Channel Delete
- Per Channel Power Set
- Talk Around
- Clone Lockout Per Group
- Keypad Lock
- Orange Emergency Button

Specifications subject to change without notice.
Measurements made in accordance with applicable
TIA/EIA-603-A and TIA/EIA 102CAA standards.



The radio you want when everything depends on it



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New BK Radio KNG P150 Digital Portable



Smaller, lighter, powerful,
TIA Class A and P25
specifications



The radio you want when everything depends on it



The KNG P150 – the top-of-the-line performance you've been waiting for

- Fits your hand, your pocket, your mission, your budget
- 1-6 watts RF output, high/low settings programmable by channel
- 136-174 MHz VHF frequency range (UHF and 700/800 MHz models on the way)
- 512 channels, dynamic grouping
- Superior audio quality and clarity
- APCO P25 trunking, Intrinsically Safe (IS) model optionally available
- Anti-obsolence design – new technology and features can be added via software upgrades
- Longer battery life between changes/charges
- GPS option on the way
- Multiple-line dot-matrix display
- USB PC programming
- IP67 submersible
- Automatic digital/analog mixed-mode detection and talkback
- RS-232 cloning
- User-selectable CTCSS/CDCSS, network access code, talk group
- Customizable keypad menu, intuitive keypad programming
- NIST-certified AES and DES/OFB encryption
- Over-the-air rekeying (OTAR)
- MIL-STD 810 C/D/E/F
- Battery gauge helps avoid untimely surprises
- Orange emergency button



RELM BK
RADIO



The new BK Radio KNG P150's performance surpasses that of all others' "best" radios. It meets or exceeds APCO Project 25 specifications, and even raises the bar on TIA specifications. It boasts up to 6 watts of programmable RF output, yet is smaller and lighter, so it's ideal for government and military personnel who want their communications devices to be inconspicuous.

The superior design of the KNG P150 means that functions and features are software-based, creating inherent efficiencies that result in significant cost savings without compromising or sacrificing quality, performance, reliability, or durability even under the most demanding conditions. What's more, it means that technology and features can be added via software upgrades without the necessity of hardware changes or change-outs.

The KNG P150 is the first in an entirely new line of radios from RELM Wireless that will offer UHF and 700/800 MHz models, P25 trunking, GPS and IS options, and much more. It's loaded with the features you want and need, yet is easy to use, program, and customize to meet your most demanding operating requirements.

State-of-the-science technology delivers notably superior audio quality even under noisy conditions. Over-The-Air-Rekeying allows you to re-key your radios for encryption in the field on the fly. NIST-certified AES and DES/OFB encryption assure tight security, and the IP67 submersible rating adds up to increased rain-or-shine reliability.

The KNG P150 has the ability to clone group information from one radio to another. So you can transfer group information while in the field in just a matter of moments.



The radio you want when everything depends on it

