



KNG P150S/P400S

DIGITAL CONVENTIONAL PORTABLE RADIO

A large image showing a red fire truck with 'MIDTOWN FIRE' and '2' on it, moving through a city street. In the foreground, two BK Radio KNG-P400S radios are shown. The left radio is a KNG-P150 and the right is a KNG-P400S. Both have LCD screens displaying 'BK Radio KNG-P150 from RELM Wireless' and 'BK Radio KNG-P400 from RELM Wireless' respectively. The radios have a keypad with numbers 1-9, *, 0, #, and directional buttons.

- ✓ JF12 Certified 09552
- ✓ APCO Project 25
- ✓ Conventional Only Operation
- ✓ 512 Channels
- ✓ Superior Audio Quality
- ✓ AMBE +2 Version 1.60 Vocoder
- ✓ 12+ Hours of Battery Life
- ✓ Waterproof IP67
- ✓ MIL-STD 810 C/D/E/F/G
- ✓ Birdie Free
- ✓ Large LCD Display
- ✓ AES 256 Bit FIPS 140-2/DES OFB and CFB

ADVANCED FEATURES

FEATURES

Superior Audio Quality

The KNG comes equipped with a 1.6" diameter speaker, giving you the loudest and clearest sound with the least distortion.

Long Battery Life

The KNG works as long as you do, putting in 12+ hours of reliable communication everyday. Upgrade to the KAA0101, a compact 3600 mAH battery and boost your battery life to 15+ hours (10/10/80).

Custom Programming

Our intuitive menu system and feature set is fully customized to fit your everyday needs.

Waterproof IP67 & IP68 Rating

Dust tight and waterproof - the KNG Portable is especially designed to withstand 30 minutes of water immersion at 1 meter depth.

MIL-STD-810C/D/E/F/G

The KNG Portable has gone through rigorous testing and meets or exceeds military requirements.

APCO Project 25

The KNG Portable meets or exceeds APCO P25 standards.

Large LCD Display

Day or night, get all the information at a glance with our bright 13 character, 5 line LCD Display.

Field or USB Programmable

Ease of use. The KNG can be programmed via USB port on virtually any PC.

Intrinsically Safe (IS)

the available electrical and thermal energy in the KNG-S is always low enough that ignition of hazardous atmospheres cannot occur.

1-6 Watts RF Power Output

Extend the radio's reach with up to 6 Watts of signal clarity. High and low settings are programmable by channel for power efficiency.

512 Channels, Dynamic Grouping

Custom-tailored user groups can be programmed into the KNG by radio users and can also be field changed or reprogrammed whenever necessary.

100 Programmable Quick Call ID's

Connect with select radio users easily and ASAP through RELM's Quick Call function.

Busy Channel Selections

Designed to indicate and prevent interference on active channels.

Channel/Priority/Group Scan

Find an available channel for communications: scan by channel, priority channel, or scan by groups, one group at a time.

Talk Around

This feature allows you to bypass or "talk around" a repeater for a direct connection.

Problem Prevention Features

The Keypad lock prevents you from accidentally hitting a button that may activate functions unintentionally.

Birdie Free

Only BK goes the extra mile to create a truly birdie free radio, which means there are no blacked out frequencies on our portable.

DVSI AMBE+2 Version 1.60 Vocoder

The version 1.60 Vocoder provides improved RF performance in a variety of degraded signal conditions. It also provides enhanced audio signal conditioning which improves system performance in the presence of background noise.



BK TECHNOLOGIES

KNG-S PORTABLE BUTTONS AND FUNCTIONS



ACCESSORIES



6 Bay Gang Charger
Rapidly charge up to 6 radios in under 90 minutes. Interchangeable cups for other manufacturer radios available.
(KAA0301)



Extra Long Battery Life
Boost battery life to 15+ hours (10/10/80) with our compact 3600 mAH Battery.
(KAA0101)



Clamshell
Load this clamshell with 8 'AA' batteries for emergency back-up power out in the field.



Speaker Mic
Placed on the shoulder, this speaker mic is quick and convenient.
(KAA0200)



Leather Carrying Case
This belt clip D Swivel case is built with tough leather and is easily detachable.
(KAA0420)



Nylon Carrying Case
This is the toughest case we sell. This is the one case that you'll never have to replace.
(KAA0455)

KNG P150S/P400S

Specification	KNG-P150S	KNG-P400S
Frequency Range	136 - 174 MHz	380 - 470 MHz
Channels w/ Variable Zone Size	512	512
Zones (up to)	32	32
Operating Voltage	10 V	10 V
Channel Spacing	12.5/25 kHz	12.5/25 kHz
Channel Increments	1.25 kHz	12.5 kHz
Operating Temperature	-30 °C ~ +60 °C	-30 °C ~ +60 °C
Dimensions (H x W x D)	5.5 x 2.5 x 1.8 in	5.5 x 2.5 x 1.8 in
Weight w/ Battery		
1900mA	16 oz	16 oz
3600 mA	18.5 oz	18.5 oz
Standby Current Draw	75 mA	85 mA
FCC ID	K95KNGP150	K95KNGP400
Receiver		
Sensitivity: 12db SINAD	-121 dBm	-119 dBm
P25 Sensitivity: 5% BER	-121 dBm (.20 uV)	-119 dBm (.25 uV)
P25 Sensitivity: 1% BER	-119 dBm (.25 uV)	-117 dBm (.31 uV)
Adjacent Channel Rejection	80 (70) dB	78 (67) dB
P25 Adjacent Channel Rejection	60 dB	60 dB
Spurious and Images	80 dB	80 dB
Intermodulation Rejection	78 dB	75 dB
Audio Response	+1 dB/-3 dB	+1 dB/-3 dB
Audio Distortion at 500mW	1%	1%
RX Current Draw	150 mA	160 mA
Transmitter		
RF Power	6/5/1 Watts	5/4/1 Watts
Frequency Stability	1.5 ppm	1.5 ppm
Modulation Deviation	5 (2.5) kHz	5 (2.5) kHz
Audio Distortion	3%	3%
FM Hum & Noise	50 (44) dB	50 (45) dB
Spurious and Harmonics	75dB	75dB
Current Draw @ High Power	1500 mA	1500 mA



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