

A Whole New RELM of Possibilities



KNG PORTABLE



DIGITAL

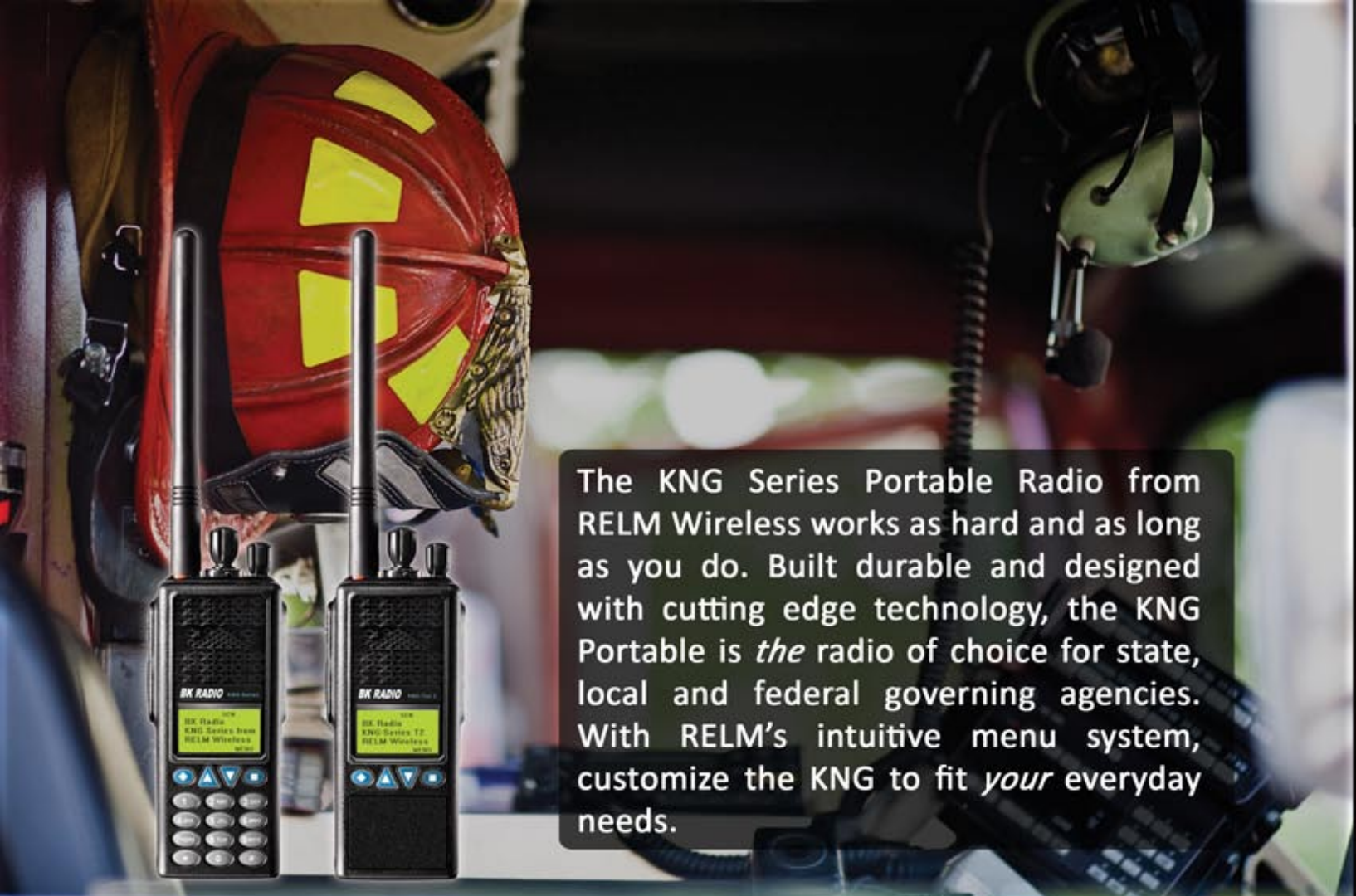


- ✓ P25 Trunking Option
- ✓ IP67 Water and Dust Protection
- ✓ USB PC Programmable
- ✓ NIST-Certified AES & DES/OFB
- ✓ MIL-STD 810 C/D/E/F
- ✓ Small, Light, Easy to Use and Customize



Tier 2

KNG



The KNG Series Portable Radio from RELM Wireless works as hard and as long as you do. Built durable and designed with cutting edge technology, the KNG Portable is *the* radio of choice for state, local and federal governing agencies. With RELM's intuitive menu system, customize the KNG to fit *your* everyday needs.

KNG PORTABLE

The KNG Portable is offered in four frequency bands and two design options, with or without (Tier II) an alphanumeric keypad.

- KNG - P150 /TII** VHF 136 - 174 MHz
- KNG - P400 /TII** UHF 380 - 470 MHz
- KNG - P500 /TII** UHF 440 - 520 MHz
- KNG - P800/TII** UHF 763 - 870 MHz



RELM Wireless Corporation
7100 Technology Drive
West Melbourne, FL 32904
800-821-2900
www.relm.com

Your Local Dealer



OPTIONS

P25 Trunking

(KZA0579 - FACTORY INSTALL)
(KAA0579 - FIELD INSTALL)

The KNG 9600 Baud Trunking option gives you the ability to communicate without hassle and without complication. Compatible with competitor Trunking systems, RELM Wireless Trunking is P25 compliant and loaded with features, such as encryption and many unit-to-unit specializations. Best of all you get RELM's ease of use. Using our intuitive software, modifying your KNG Trunking features will be simple.

OTAR

(KZA0570 - FACTORY INSTALL)
(KAA0570 - FIELD INSTALL)

Over-the-air rekeying is an easy solution to efficiently change encryption keys. Completed almost effortlessly, encryption keys are changed over the air with a touch of a button.

Wireless Tactical OTAR

(KZA0578 - 512 CHANNEL KNG)

With RELM's Wireless Tactical OTAR (WTO), you are provided with the flexibility to upgrade encryption keys wirelessly and effortlessly without ancillary equipment, infrastructure or key management facilities. WTO operates radio-to-radio and is completely contained in the KNG radio units, which means no additional equipment is required beyond initialization.

Multicast Vote Scan

(KZA0581 - FACTORY INSTALL)
(KAA0581 - FIELD INSTALL)

Multicast Vote Scan capable KNG Series radios automatically select the best site to operate from in a wide area system. Channels in the multicast conventional system are added to the scan list and designated as "voted" channels. The KNG radio scans all voted channels and selects the channel with the best signal.

AES/DES Encryption

(KZA0577)

AES and DES (Digital Encryption Standard) allows you to communicate with other radios that have the specific key programmed. RELM's AES/DES Encryption is NIST certified, validated FIPS 140-2 Type III encryption with a 256 key load.



The KNG Series is a world class radio. It is highly sophisticated, compact and built tough for the most extreme situations. It can withstand some of the most demanding weather environments on earth and will stay under water longer than you can. Simply put, the KNG is awesome. It is loaded with features and equipped with an intuitive, easy to use menu system. Tagged with a price to fit your budget, the KNG is *your* radio of choice.

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 16+ hours.

Custom Programming

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

Waterproof IP67 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

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.



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.

2048 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 RELM Wireless goes the extra mile to create a truly birdie free radio, which means there are no blocked 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.

RELM
WIRELESS

A Whole New RELM of Possibilities

BUTTONS AND FUNCTIONS

Channel Select

Volume Knob

Encryption On/Off Collar Switch

LED Battery Indicator

Programmable Toggle Switches

VHF Antenna

Emergency Button

Audio Accessory Jack

Field Programmable Side Buttons

Microphone

Loud 1.6" Diameter Mylar Cone Speaker

Push to Talk

13 Character Multi-line LCD Display

Easy to Use Menu Navigation Buttons

Alphanumeric Keypad

ACCESSORIES



6 Bay Gang Charger

Rapidly charge up to 6 radios in under 90 minutes.

(KAA0301)



Extra Long Battery Life

Boost battery life to 16+ hours with our compact 3600 mAH Battery.

(KAA0101)



Clamshell

Load this clamshell with 8 'AA' batteries for emergency back-up power out in the field. (KAA0120)



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 PORTABLE

Specification	KNG-P150	KNG-P400	KNG-P500	KNG-P800
Frequency Range	136 - 174 MHz	380 - 470 MHz	440 - 520 MH	763 - 870 MHz
Channels w/ Varisble Zone Size	512/2048	512/2048	512/2048	512/2048
Zones (up to)	32/2048	32/2048	32/2048	32/2048
Operating Voltage	10.8 V	10.8 V	10.8 V	10.8 V
Channel Spacing	12.5/25 kHz	12.5/25 kHz	12.5/25 kHz	12.5/25 kHz
Channel Increments	1.25 kHz	1.25 kHz	1.25 kHz	1.25 kHz
Operating Temperature	-30 °C ~ +60 °C	-30 °C ~ +60 °C	-30 °C ~ +60 °C	-30 °C ~ +60 °C
Dimensions (W x D x H)	2.5 x 1.8 x 5.5 in	2.5 x 1.8 x 5.5 in	2.5 x 1.8 x 5.5 in	2.5 x 1.8 x 5.5 in
Weight w/ Battery	16 oz	16 oz	16 oz	16 oz
Standby Current Draw	110 mA	120 mA	120 mA	155 mA
FCC ID	K95KNGP150	K95KNGP400	K95KNGP500	K95KNGP800
Receiver				
Sensitivity: 12db SINAD	-121 dBm	-119 dBm	-119 dBm	-119 dBm
P25 Sensitivity: 5% BER	-121 dBm	-119 dBm	-119 dBm	-119 dBm
Adjacent Channel Rejection	80 (70) dB	78 (67) dB	77 (67) dB	75 (67) dB
P25 Adjacent Channel Rejection	60 dB	60 dB	60 dB	60 dB
Spurious and Images	80 dB	80 dB	80 dB	75 dB
Intermodulation Rejection	78 dB	75 dB	75 dB	75 dB
Audio Response	+1 dB/-3 dB	+1 dB/-3 dB	+1 dB/-3 dB	+1 dB/-3 dB
Audio Distortion at 500mW	1%	1%	1%	1%
RX Current Draw	190 mA	200 mA	200 mA	235 mA
Transmitter				
RF Power	6/5/1 Watts	5/4/1 Watts	5/4/1 Watts	3/1 Watts
Frequency Stability	1.5 ppm	1.5 ppm	1.5 ppm	1.5 ppm
Modulation Deviation	5 (2.5) kHz	5 (2.5) kHz	5 (2.5) kHz	5 (2.5) kHz
Audio Distortion	3%	3%	3%	3%
FM Hum & Noise	50 (44) dB	50 (44) dB	50 (44) dB	49 (43) dB
Spurious and Harmonics	75dB	75dB	75dB	75dB
Current Draw @ High Power	1600 mA	1600 mA	1600 mA	1000 mA
Audio Response	+1dB/-3dB	+1dB/-3dB	+1dB/-3dB	+1dB/-3dB

Narrowband specifications are denoted in parenthesis.



RELM Wireless Corporation T: 1-800-821-2900
 7100 Technology Drive F: 1-800-704-3177
 West Melbourne, FL 32904 E: sales@relm.com
www.relm.com