

KNG-CMD



Designed and Manufactured in the USA



- ✓ Continuous Channel Select
- ✓ Extended Toggle Switches
- ✓ P25 Trunking Capable
- ✓ OTAP/Texting/OTAR
- ✓ IP67 Submersible and Dust Protection
- ✓ USB PC and Front Keypad Programmable
- ✓ MIL-STD 810 C/D/E/F/G
- ✓ Small, Light, Easy to Use and Customize

BK

TECHNOLOGIES



KNG-CMD

The KNG Series Radios have now been expanded to include additional features first introduced in BK's DPH-CMD family of products. KNG Command Radios have a robust wildland fire feature set which includes keypad programming, radio-to-radio cloning, Code Guard Picklists, NAC Picklists, and Talk zone Picklists.

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



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, BK 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 re-keying 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.

OTAP

(KZA0582)
Available with the Trunking Option only
(KZA0579)

BK's Over-The-Air-Programming is designed to work in conjunction with P25 Trunked systems, giving you the ability to reprogram a unit from a central console to anywhere within your coverage area. It allows for you to make the necessary changes to a remote radio without the hassle of extra personnel, wasted time, and additional equipment.

Multicast Vote Scan

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

Multicast Vote Scan capable KNG Series radios automatically selects the best site to operate 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.



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 and 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)

IS Option (KZA0558) is available for those who need communications in potentially hazardous atmospheres.

Busy Channel Selections

Designed to indicate and prevent interference on active channels.

ADVANCED FEATURES

Continuous Channel Selector

The KNG Command Radio is equipped with a continuous channel selector with virtual stop.

Legacy Cloning

The KNG Command is backwards cloning compatible. Clone your KNG to a BK Legacy product; such as, the DPH and GPH Series.

Enhanced Control Lock

When activated, users can selectively include any of the following to be included in the control lockout function: Keypad, Side Buttons, Emergency, Toggle Switch, Collar Switch, Channel Knob, and PTT.

Command Zone

The KNG Command gives you full control with up to 2048 command zones, up to 2048 channels per zone.

256 Programmable P25 Unit Call ID's

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

Channel/Priority/Dual Mode/ Zone Scan

Find an available channel for communications: scan channel, priority channel, or scan zones one zone at a time.

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.

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.

MDC Signaling

MDC signaling includes a number of features including: unit ID, emergency call, emergency alert, emergency hot mic, and radio check. These features are configured using radio programming software.

KNG-CMD

BK

TECHNOLOGIES

BUTTONS AND FUNCTIONS

Continuous Channel Selector

Radio On/Off
& Volume Knob

Programmable On/Off
Collar Switch

LED Indicator
Receive (green)
Busy Channel (flash green)
Transmit (red)
Flash Mode (blue)
Low Battery (flash red)

Emergency Button

Extended Programmable
Toggle Switches

VHF Antenna

Programmable
Side Buttons

Microphone

Push to Talk

Easy to Use
Command Menu
Navigation Buttons

Multi-function
Interface Port

Loud 1.6" Diameter
Mylar Cone Speaker

Programmable
Multi-line LCD Display

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.



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-CMD

Specification	KNG-P150 CMD	KNG-P400 CMD	KNG-P500 CMD	KNG-P800 CMD
Frequency Range	136 - 174 MHz	380 - 470 MHz	440 - 520 MHz	763 - 870 MHz
Channels w/ Variable Zone Size	2048	2048	2048	2048
Zones (up to)	2048	2048	2048	2048
Operating Voltage	10 V	10 V	10 V	10 V
Channel Spacing	12.5/25 kHz	12.5/25 kHz	12.5/25 kHz	12.5/25 kHz
Channel Increments	1.25 kHz	12.5 kHz	12.5 kHz	2.5 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	75 mA	85 mA	85 mA	85 mA
FCC ID	K95KNGP150	K95KNGP400	K95KNGP500	K95KNGP800
Receiver				
Sensitivity: 12db SINAD	-121 dBm	-119 dBm	-121 dBm	-119 dBm
P25 Sensitivity: 5% BER	-121 dBm	-119 dBm	-121 dBm	-119 dBm
Adjacent Channel Rejection	80 (70) dB	78 (67) dB	77 (67) dB	72 (63) dB Per TIA/ EIA-603 2.1.6
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	+1dB / -3dB	+1dB / -3dB	+1dB / -3dB	+1dB / -3dB
Audio Distortion at 500mW	1 %	1 %	1 %	1 %
RX Current Draw	150 mA	160 mA	160 mA	255 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 (45) dB	50 (44) dB	50 (45) dB
Spurious and Harmonics	75 dB	75 dB	75 dB	75 dB
Current Draw @ High Power	1500 mA	1500 mA	1500 mA	1500 mA