

BK TECHNOLOGIES KNG BASE STATION



FOCUSED ON SOLUTIONS THAT MAKE A DIFFERENCE

- ✓ P25 Trunking option
- ✓ Easy to program
- ✓ Multi-mode operation
- ✓ Programmable channel zone & scan
- ✓ Scan mode
- ✓ Alpha-numeric touch screen display

MODELS AND FEATURES

Product Name	Product Description
KNG-B150LP	Base Station, P25, 136-174 MHz, 5000 channels, 50 W, Integrated GPS
KNG-B150LPE	Base Station, P25, 136-174 MHz, 5000 channels, 50 W, with Encryption, Integrated GPS
KNG-B150HP	Base Station, P25 Digital VHF 136-174 MHz, 5000 channels, 110 W, Integrated GPS
KNG-B150HPE	Base Station, P25, 136-174 MHz, 5000 channels, 110 W, with Encryption, Integrated GPS
KNG-B400	Base, Station, Digital UHF 380-470 MHz, 5000 channels, 50 W, Integrated GPS
KNG-B800	Base, Station, Digital 763-870 MHz, 5000 channels, 30/35 W, Integrated GPS

Channel/Priority/Group Scan
Find an available channel for communications: scan by channel, or scan by groups, one at a time.

Touch Screen Display
The first of its kind, the KNG Desktop Base Station’s innovative touch screen display is right at your fingertips for quick access to radio settings.

1,024 Programmable Quick Call IDs
Connect with select radio users easily and ASAP through BK Technologies Quick Call Function.

P25 Trunking
BK Technologies offers a 9600 BAUD Trunking option, which is compatible with many P25 Trunked systems.

5,000 Channels, Dynamic Grouping
Up to 5,000 channels and custom-tailored user groups can be programmed and with our intuitive menu; modifying settings is made easy.

Mixed-Mode Operation
Whether analog or digital, communicate effortlessly to either mode with mixed-mode feature.

The KNG Base Station offers numerous options to make your communications reliable and secure. This touch screen unit is the first of its kind and can be modified to fit your everyday needs.

Custom Menu System
Our intuitive menu gives you full control over your communications with an easy to navigate menu loaded with your preselected features and options.



OPTIONS

P25 Trunking (KZA0569)	The KNG 9600 BAUD Trunking option gives you the ability to communicate without hassle or complication. Compatible with competitor trunking systems, BK Technologies trunking is P25 compliant and loaded with features, such as encryption and many unit-to-unit specializations. Best of all, you get ease of use. Using our intuitive software, modifying your KNG trunking features will be simple.
OTAR (KZA0580)	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 the touch of a button.
Multicast Vote Scan (KZA0583)	Multicast vote scan-capable KNG series radios automatically select the best site to operate in wide area systems. 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 (KZA0576) <i>Only available for KNG-B400 and B800 models</i>	AES and DES (digital encryption standard) allows you to communicate with other radios that have the specific key programmed.
TDMA (KZA0594)	Factory install, TDMA

INTELLIGENT DIGITAL EMERGENCY COMMUNICATIONS

SPECIFICATION	KNG-B150	KNG-B400	KNG-B800
Channels w/ variable Zone Size	5000	5000	5000
Zones (up to)	64	64	64
Frequency Range (Mhz)	136-174	380-470	763-870
Operating Voltage (V Nominal)	120/240 V (normal), negative ground	120/240 V (normal), negative ground	120/240 V (normal), negative ground
Channel Spacing (Khz)	12.5 / 25 khz	12.5 / 25 khz	12.5 / 25 khz
Operating Temp. (C*)	"-30 to + 60"	"-30 to + 60"	"-30 to + 60"
Dimensions (W in. X D in. X H in.)	10" x 12.5" x 7.7"	10" x 12.5" x 7.7"	10" x 12.5" x 7.7"
Weight	22 lbs.	22 lbs.	22 lbs.
Channel Increments (Khz)	1.25 / 3.125	1.25 / 3.126	1.25 / 3.128

RECEIVER	KNG-B150	KNG-B400	KNG-B800
Sensitivity (dBm)	-121	-119	-119
P25 Sensitivity (dBm)	-121	-119	-119
Adjacent Channel Rejection (DB) per TIA/EIA-603 2.1.3	80 (70)	78 (67)	72 (63)
P25 Adjacent Channel Rejection (dB)	60	60	60
Spurious and Images (dB)	80	80	75
Inter Modulation Rejection (dB)	78	75	75
Audio Distortion at 15W (%)	2	2	2
Current Draw (A)	2	2	2
TRANSMITTER			
RF Power (W)	50, 110	50	35
Frequency Stability (ppm)	1.5	1.5	1.5
Audio Distortion (%)	3	3	3
FM Hum and Noise (dB)	50 (45)	51 (45)	53 (45)
Spurious and Harmonics (dB)	75	75	75
Current Draw (A)	20	10	10
Emission Designators	11K0F3E, 16K0F3E, 8K10F1E, 8K10F1D, 8K10F1W		

Narrowband specifications are denoted in parenthesis

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