

KNNG 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

Options

P25 Trunking

(KZA0579)

The KNG 9600 Baud Trunking option gives you the ability to communicate without hassle and without 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 BK Technologies 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 a touch of a button.

Multicast Vote Scan

(KZA0581)

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. BK Technologies AES/DES Encryption is NIST certified, validated FIPS 140-2 Type III encryption with a 256 key load.

HIGH POWER (110 WATT)

(KZA0154)

The KNG mobile high power option is designed for the same package size as the 50 Watt - no external fixture. 110 Watts of RF output will further the range of the mobile and increase its capability. The high power option is only available for the VHF KNG-M150 model.

GPS

(KAA0589)

Know where you are at any given moment with the BK Technologies GPS option. Longitude and latitude coordinates will give your exact location anywhere in the world, saving valuable time when calling for backup in emergency situations.

REMOTE MOUNT

(KAA0660)

(This option must be purchased in addition to a KNG Series Mobile)
No more room in your dash? Opt for the remote mount kit. With the remote mount option, you get a fully functional touch screen mobile face which allows for ease of use while in the cab of your vehicle. This kit comes complete with mounting hardware and cables.

Features

MODELS

KNG - B150 VHF 136 - 174 MHz, 50W
(110 W Option)
KNG - B400 UHF 380 - 470 MHz, 50W
KNG - B500 UHF 440 - 520 MHz, 50W
KNG - B800 UHF 763 - 870 MHz, 30/35W

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.



Channel/Priority/Group Scan

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

Birdie Free

Only BK Technologies goes the extra mile to create a truly birdie free radio, which means there are no blackout frequencies on this Base Station.

1024 Programmable Quick Call ID's

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.

5000 Channels, Dynamic Grouping

Up to 5000 channels and custom-tailored user groups can be programmed into the KNG base station and with our intuitive menu, modifying your settings is made easy.

Mixed-mode Operation

Whether analog or digital, communicate effortlessly to either mode with BK Technologies Mixed-mode feature.

KNG Base Station

Specification	KNG-M150	KNG-M400	KNG-M500	KNG-M800
Channels w/ Variable Zone Size	5000			
Zones (up to)	64			
Frequency Range (MHz)	136 - 174	380 - 470	440 - 520	763 - 870
Operating Voltage (V Nominal)	13.8 V (Nominal), Negative Ground			
Channel Spacing (kHz)	12.5 / 25 KHz			
Channel Increments (kHz)	1.25 / 3.125			
Operating Temperature (°C)	-30 to +60			
Dimensions (W in x D in x H in)	8.5" x 6.5" x 2.5"			
Weight	7.5 lbs			
Receiver				
Sensitivity (dBm)	-121	-119	-119	-119
P25 Sensitivity (dBm)	-121	-119	-121	-119
Adjacent Channel Rejection (dB) Per TIA/EIA-603 2.1.3	80 (70)	78 (67)	77 (67)	72 (63)
P25 Adjacent Channel Rejection (dB)	60	60	60	60
Spurious and Images (dB)	80	80	80	75
Inter modulation Rejection (dB)	78	75	75	75
Audio Distortion at 15W (%)	2	2	2	2
Current Draw (A)	2A	2A	1.5A	2A
Transmitter				
RF Power (Watts)	50W, 110W	50W	50W	35W
Frequency Stability (ppm)	1.5	1.5	1.5	1.5
Audio Distortion (%)	3	3	3	3
FM Hum & Noise (dB)	50 (45)	50 (45)	50 (45)	50 (45)
Spurious and Harmonics (dB)	75	75	75	75
Current Draw (A)	20A	10A	10A	10A
Emission Designators	11K0F3E, 16K0F1E, 8K10F1E, 8K10F1D			
<i>Narrowband specifications are denoted in parenthesis.</i>				



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