

# 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

# FEATURES

## 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.

## BIRDIE FREE

ONLY BK TECHNOLOGIES GOES THE EXTRA MILE TO CREATE A TRULY BIRDIE FREE RADIO, WHICH MEANS THERE ARE NO BLACKED-OUT FREQUENCIES.

## 1024 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.

## 5000 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.

## MODELS:

**KNG-B150 VHF 136-174 MHZ, 50W/110W**

**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.



# 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 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 ENCRYPTIONS KEY. COMPLETED ALMOST EFFORTLESSLY, ENCRYPTION KEYS ARE CHANGED OVER THE AIR WITH THE 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.

## GPS (KAA0589)

KNOW WHERE YOU ARE AT 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 MAY 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.

## ***INTELLIGENT DIGITAL EMERGENCY COMMUNICATIONS***



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SPECIFICATION	KNG-B150	KNG-B400	KNG-B500	KNG-B800
CHANNELS W/ VARIABLE ZONE SIZE	5000	5000	5000	5000
ZONES (UP TO)	64	64	64	64
FREQUENCY RANGE (MHZ)	136-174	380-470	440-520	763-870
OPERATING VOLTAGE (V NOMINAL)	120/240 V (NOMINAL), NEGATIVE GROUND			
CHANNEL SPACING (KHZ)	12.5 / 25 KHZ			
OPERATING TEMP. (C*)	"-30 TO + 60"			
DIMENSIONS (W IN X D IN X H IN)	10" X 12.5" X 7.7"			
WEIGHT	22 LBS	22 LBS	22 LBS	22 LBS
CHANNEL INCREMENTS (KHZ)	1.25 / 3.125	1.25 / 3.126	1.25 / 3.127	1.25 / 3.128
<b>RECEIVER</b>				
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
<b>TRANSMITTER</b>				
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)	51 (45)	52 (45)	53 (45)
SPURIOUS AND HARMONICS (DB)	75	75	75	75
CURRENT DRAW (A)	20A	10A	10A	10A
EMISSION DESIGNATORS	11K0F3E, 16K0F1E, 8K10F1E, 8K10F1D			
NARROWBAND SPECIFICATIONS ARE DENOTED IN PARENTHESIS.				