



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header 5

List View

### General Information

### Contact

### Default Values

### Discount

### Document Information

Procurement Folder: 653023

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0704

Vendor ID: 000000217699

SO Doc ID: INS2000000001

Legal Name: BK TECHNOLOGIES INC

Published Date: 11/18/19

Alias/DBA:

Close Date: 11/25/19

Total Bid: \$45,761.00

Close Time: 13:30

Response Date: 11/22/2019

Status: Closed

Response Time: 12:54

Solicitation Description: Addendum No.02 - Two Way Radios OIG

Total of Header Attachments: 5

Total of All Attachments: 5



Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Solicitation Response

Proc Folder : 653023

Solicitation Description : Addendum No.02 - Two Way Radios OIG

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-11-25 13:30:00	SR 0704 ESR11221900000003252	1

VENDOR

000000217699

BK TECHNOLOGIES INC

Solicitation Number: CRFQ 0704 INS2000000001

Total Bid : \$45,761.00

Response Date: 2019-11-22

Response Time: 12:54:17

Comments:

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham

(304) 558-2157

brittany.e.ingraham@wv.gov

Signature on File

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Two Way Mobile Radios	22.00000	EA	\$1,830.000000	\$40,260.00

Comm Code	Manufacturer	Specification	Model #
43191510			

Extended Description : 3.1.1 Two-way mobile radios must be SIRM level 2

**Comments:** SIRM LVL 2 Approved KNG-M400.  
Made in USA.  
KNG-M400 with ALL SIRM LVL 2 programming/accessories/AES: \$2800.00/ea.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Two Way Handheld Radios	2.00000	EA	\$898.000000	\$1,796.00

Comm Code	Manufacturer	Specification	Model #
43191510			

Extended Description : 3.1.2 Two-way handheld radios must be SIRM level 2

**Comments:** SIRM LVL 2 Approved KNG-P400.  
Made in USA.  
KNG-P400 with ALL SIRM LVL 2 programming/accessories/AES: \$1850.00/ea.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Two Way Base Station Radio	1.00000	EA	\$2,550.000000	\$2,550.00

Comm Code	Manufacturer	Specification	Model #
43191510			

Extended Description : 3.1.3 Two-way Base Station radio must be SIRM level 2

**Comments:** SIRM LVL 2 Approved KNG-M400 in KNG-B400.  
Made in USA.  
KNG-B400 with ALL SIRM LVL 2 programming/accessories/AES: \$3050.00/ea.



Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Wide Band Mobile Antenna	22.00000	EA	\$52.500000	\$1,155.00

Comm Code	Manufacturer	Specification	Model #
43221706			

Extended Description :	3.1.4 Wide Band Mobile Antenna PCTEL Maxrad BMWU4002S or Equal.
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**Comments:** PCTEL MAXRAD - BMWU4002S or equ. UHF WIDE BAND MOBILE ANTENNA



***Retail Price List***

***January 2019***

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## ***BK Technologies, Inc. Contact Information***

**BK Technologies, Inc.**  
**7100 Technology Drive**  
**West Melbourne, FL 32904**  
**[www.bktechnologies.com](http://www.bktechnologies.com)**

**Corporate**  
**Phone (800) 648-0947**  
**[Sales@bktechnologies.com](mailto:Sales@bktechnologies.com)**

**Sales**  
**Phone (800) 821-2900**  
**[Sales@bktechnologies.com](mailto:Sales@bktechnologies.com)**

**Credit**  
**Phone (800) 428-1950**  
**[Credit@bktechnologies.com](mailto:Credit@bktechnologies.com)**

**Factory Service**  
**Phone (800) 422-6281**  
**[Service@bktechnologies.com](mailto:Service@bktechnologies.com)**

# **BK Technologies, Inc. Warranty Information**

## **STANDARD LIMITED WARRANTY**

BK Technologies ("Warrantor") warrants to the Purchaser of new radio equipment of the Warrantor's manufacture that such equipment shall be free from material defects in material and workmanship for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Basic Unit (Radio)	2 years
Battery	1 year
Antenna	1 year
Other Accessories	1 year

Extended warranty options on the basic unit (radio) are provided below. There is NO extended warranty offered on the repeater, antenna, battery and all other accessories. Equipment and accessory items not manufactured by the Warrantor carry the standard warranty of the manufacturer thereof and are not covered by this warranty. **FOR THE AVOIDANCE OF DOUBT, WARRANTOR MAKES NO REPRESENTATIONS OR WARRANTIES WITH RESPECT TO ANY THIRD PARTY PRODUCT, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WARRANTY OF TITLE, OR WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.**

This warranty does not cover equipment which has been: (a) damaged or not maintained as reasonable or necessary, (b) modified in any way, including the removal of the serial tag, (c) improperly installed, (d) repaired by someone other than the Warrantor or an Authorized Warranty Repair Station, (e) used in a manner or purpose for which the equipment was not intended, or (f) used with aftermarket (any accessory that is not issued/sold by Warrantor) accessories. Subject to compliance with the terms of this warranty, with respect to the applicable equipment during the applicable warranty period, Warrantor shall, in its sole discretion, repair or replace the applicable equipment.

**IN NO EVENT WILL WARRANTOR BE LIABLE TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS OF USE, REVENUE OR PROFIT OR LOSS OF DATA OR DIMINUTION IN VALUE, OR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES WHETHER ARISING OUT OF BREACH CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER OR NOT WARRANTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE.**

To obtain warranty repair or replacement, the customer must return the equipment properly packaged and freight prepaid to the Warrantor or any Authorized Warranty Repair Station. The equipment will be returned freight prepaid from the Warrantor only.

**EXCEPT FOR THE WARRANTY SET FORTH IN THE FIRST PARAGRAPH ABOVE, WARRANTOR MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE EQUIPMENT, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WARRANTY OF TITLE, OR WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY, WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.** No person, whether in the employment of the Warrantor or not, is authorized to make oral or other modifications, extensions, or additions to this warranty, unless approved in writing by an authorized officer of the Warrantor at its home office.

The liability of the Warrantor is expressly limited to the repair or replacement of the equipment as described herein. **SUCH REMEDY WILL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND WARRANTOR'S ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY.** Warrantor shall not be liable to the Purchaser and the Purchaser shall, upon his tender of the purchase price for the equipment, agree that the Warrantor shall not be liable, in any respect, for the equipment or damages caused thereby, except as prescribed herein, whether such liability is predicated upon negligence, tort, contract or other product liability theory.

## ***BK Technologies, Inc. Warranty Information (Continued)***

### **BK Technologies EXTENDED WARRANTY \* on Portables, Mobiles and Base Stations**

#### **2 PLUS 1 PROGRAM**

Extends standard 2 year warranty to 3 years total

LFW0012 \$179.00

#### **2 PLUS 2 PROGRAM**

Extends standard 2 year warranty to 4 years total

LFW0024 \$229.00

#### **2 PLUS 3 PROGRAM**

Extends standard 2 year warranty to 5 years total

LFW0036 \$279.00

**\*EXTENDED WARRANTY (not offered on the antenna, battery and all other accessories; certain restrictions may apply on international warranties)**

All repairs must be performed by an authorized BK Technologies service center during the life of the warranty. Except for duration and factory-only repair, extended warranties are identical to our standard 2 year warranty. Factory extended warranties cover all BK Technologies portables, mobiles and base stations and must be purchased at point of sale.

## ***BK Technologies, Inc. Non-Warranty Service***

<b>PORTABLES</b>	<b>\$355.00</b>
<b>MOBILES</b>	<b>\$545.00</b>
<b>KAA0660 / KAA0670</b>	<b>\$200.00</b>
<b>BASE STATIONS</b>	<b>\$545.00 + PARTS</b>
<b>RDPR SERIES AND TMRxxx</b>	<b>\$420.00 + PARTS</b>
<b>REPEATERS</b>	<b>CALL FOR QUOTE</b>
<b>PROGRAMMING</b>	<b>\$75.00</b>
<b>MINIMUM SERVICE CHARGE</b>	<b>\$100.00</b>
<b>EXPEDITED 2 DAY TURN</b>	<b>\$125.00</b>
<b>TUNE &amp; CLEAN</b>	<b>\$125.00</b>

# ***MAINTENANCE SERVICE INSTALLATION (MSI)***

*CFQ- CALL FOR QUOTE*

<b>INST-BASE-GEN</b>	<b>Base Station Installation, General</b>	<b>CFQ</b>
<b>INST-MBL-GEN</b>	<b>Installation Mobile Radio, General</b>	<b>CFQ</b>
<b>KAA0903</b>	<b>Field Support, Transceiver Programming (Minimum Quantity 50)</b>	<b>CFQ</b>
<b>SER-0004</b>	<b>Services, Subscriber Programming Training ( Level 1)</b>	<b>CFQ</b>
<b>SER-0005</b>	<b>Services, Subscriber Programming Training ( Level 2)</b>	<b>CFQ</b>
<b>SER-0009</b>	<b>Services, User Training, Subscriber</b>	<b>CFQ</b>
<b>SER-0017</b>	<b>Services, 12 Month Maintenance in factory, Single Band Portable</b>	<b>CFQ</b>
<b>SER-0018</b>	<b>Services,12 Month Maintenance in factory, Single Band Mobile</b>	<b>CFQ</b>
<b>SER-0019</b>	<b>Services,12 Month Maintenance in factory, Single Band Desktop</b>	<b>CFQ</b>
<b>SITE-SRV-BASE-GEN</b>	<b>Site Survey, Base Station, General</b>	<b>CFQ</b>
<b>SITE-SRV-BDA/DAS-GEN</b>	<b>Site Survey BDA/DAS, General</b>	<b>CFQ</b>
<b>SITE-SRV-RPTR-GEN</b>	<b>Site Survey Repeater, General</b>	<b>CFQ</b>
<b>SER-TECH2-GEN</b>	<b>Technician 2-Onsite-General</b>	<b>CFQ</b>
<b>SER-TECH1-GEN</b>	<b>Technician, On-Site, General</b>	<b>CFQ</b>
<b>SER-TECH3-GEN</b>	<b>Senior Technician, On-Site, General</b>	<b>CFQ</b>
<b>SER-TECH-CNSLT</b>	<b>Consultant, On-Site General</b>	<b>CFQ</b>



# Digital Portable Radios



## ***KNG2 Series P25 Digital Portables***

<b>KNG2-P150</b>	136-174 MHz, 5000 channels, 6 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable	<b>\$2,995.00</b>
<b>KNG2-P150CMD</b>	136-174 MHz, 5000 channels, 6 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable Specialized Command Groups	<b>\$2,995.00</b>
<b>KNG2-P150T2</b>	136-174 MHz, 5000 channels, 6 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable without Keypad	<b>\$2,995.00</b>
<b>KNG2-P400</b>	380-470 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable Blue tooth/GPS capable	<b>\$2,995.00</b>
<b>KNG2-P400CMD</b>	380-470 MHz, 5000 channels, 5 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable Specialized Command Groups	<b>\$2,995.00</b>
<b>KNG2-P400T2</b>	380-470 MHz, 5000 channels, 5 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable without Keypad	<b>\$2,995.00</b>
<b>KNG2-P500</b>	440-520 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable Blue tooth/GPS capable	<b>\$2,995.00</b>
<b>KNG2-P800</b>	763-870 MHz, 5000 channels, 3 Watt P25 Digital/Analog Portable Blue tooth/GPS capable	<b>\$2,995.00</b>
<b>KNG2-P800T2</b>	763-870 MHz, 5000 channels, 3 Watt, P25 Digital/Analog Portable Blue tooth/GPS capable without Keypad	<b>\$2,995.00</b>

*Prices for radio and KAA0400 belt clip only. Battery, Antenna and other accessories sold separately*

**GPB, DPH and KNG Portables Call Sales Representative for Trade-in allowance and Process**



**KNG2-Pxxx**  
Antenna sold separately

## ***KNG2 Series P25 Digital Portable Accessories***

<b>Antennas</b>		
CAA0810G2	Antenna, VHF, 136-174MHz, SMA, KNG-P150	\$30.00
CAA0811C	Antenna, VHF, 162-174MHz, SMA, KNG-P, Stubby	\$30.00
CAA0813	Antenna, Portable, VHF, 144-174MHz, KNG-P	\$45.00
CAA0815	UHF, SMA (380-470 MHz) Antenna	\$25.00
CAA0816	UHF, SMA (440-520 MHz) Antenna	\$25.00
CAA0818	Antenna, VHF, 150-170MHz, SMA, KNG-P150, Whip	\$50.00
CAA0825	800, SMA (764-870 MHz) Antenna	\$33.00
CAA0826	UHF, SMA (403-435MHz) Antenna Stubby 3.5"	\$25.00
CAA0833	760-870 MHz, 1/4 Wave Stubby KNG-P800	\$40.70
MAGMT-SMA	Antenna Mag Mount SMA Male 17' Cable	\$84.00
<b>Batteries</b>		
CAA0101	Li-Ion-Ion Battery 3450 mAH	\$225.00
CAA0103	Battery Pack, Li-Ion, 2300mAh, Intelligent	\$165.00
CAA0120	"AA" Clam Shell Battery Case Orange	\$65.00
<b>Carrying Accessories</b>		
CAA0400	Belt Clip "Included with portable KNG Series or purchase as replacement"	\$25.00
CAA0402	Belt Clip 2.5" W/ Snap, CAA0422	\$20.00
CAA0413	Strap, Leather, Shoulder, BLK, HD	\$60.00
CAA0413T	Strap, Leather, Tether, BLK used W/ CAA0413	\$20.00
CAA0415	Leather Case, Cover, Belt Loop Black	\$52.00
CAA0415CF	Case, Leather, Large, Belt-loop, Open Key, Black	\$45.00
CAA0421	Leather Case with Belt Loop & D Swivel Kit	\$75.00
CAA0422C	Leather Case "Cordovan Color"	\$75.00
CAA0447	Chest Carrying Pack Orange	\$66.00
CAA0447A	Chest Carrying Pack Black	\$66.00
CAA0448	Chest Harness, Black, KNG/DPH	\$95.00
CAA0450T	Case Nylon Holster w/ Belt Loop Tan	\$39.00
CAA0451B	Case Nylon Full Case W/ Belt Clip Black	\$40.00
CAA0455	KNG Carrying Case Nylon Camouflage (CAA0100 Only)	\$38.95
LAA0413	Strap, Leather, Shoulder " Can be used with CAA0415 & CAA0415CF"	\$15.00
RDRCC	12 Cavity Carrying Case	\$972.00
<b>Chargers</b>		
CAA0300P	Charger, Desktop Single KNG-Pxxx	\$100.00
CAA0301P	Charger, Desktop 6 Bay KNG-Pxxx	\$778.00
CAA0303-1	Charger, Desk Top, 1 Bay, KNG, Intelligent, Conditioning	\$200.00
CAA0303-6	Charger, Desk Top, 6-Bay, KNG, Intelligent, Conditioning	\$810.00
CAA0355P	Charger, Vehicle KNG-Pxxx	\$155.00
CAA0601P	Mounting Bracket, Vehicle, for CAA0301P	\$80.00
CAA0602P	Cable Kit, 10ft. Hard Wire, fused for CAA0301P	\$40.00
<b>Options</b>		
CAA0560	Option Bluetooth, KNG2-Pxxx	\$100.00
CAA0561	Option, GPS, KNG2-Pxxx	\$250.00
CAA0582	Option, OTAP, Trunking, KNG-Pxxx "Must have KZA0579"	\$199.00
CAA0570	OTAR (Trunking & Conventional) 2048 Channel Portables "Must have KZA0579"	\$485.00
CAA0579	P25 9600 Baud Trunking 5000 Channel Portables	\$660.00
CAA0593	Option, TDMA, KNG-Pxxx	\$250.00
CAA0595	Option, radio Authentication, KNG-P "Must have KZA0577"	\$125.00
KZA0541	Factory Conversion Trunking KNG-PxxxS to KNG-PxxxCMD CAA0579 or KZA0579 required	\$600.00
KZA0560	Factory Install Option Bluetooth, KNG2-Pxxx	\$100.00
KZA0561	Factory , GPS, KNG2-Pxxx	\$250.00
KZA0570	Factory Install OTAR Trunking & Conventional 2048 Channel Portables "Must have KZA0577"	\$485.00
KZA0574	Factory Install, DES & AES FIPS140-2 Level 2 Encryption KNG2 "Only"	\$465.00
KZA0578	Factory Install P25 Over the Air Rekeying (OTAR) 512 Channel Portables	\$485.00
KZA0579	Factory Install P25 9600 Baud Trunking	\$660.00
KZA0581	Factory Install Multi -Cast Vote Scan Plus	\$90.00
KZA0582	Factory Install, OTAP, Trunking, KNG-Pxxx "Must have KZA0579"	\$199.00
KZA0584	Factory Install, Wireless Tactical Over the Air Rekeying Includes KZA0578 KNG-PS Series	\$485.00
KZA0593	Factory Install, TDMA, KNG-Pxxx	\$250.00
KZA0595	Factory Install, Site Authentication KNG-Pxxx "Must have KZA0577 & KZA0579"	\$125.00
ASK-CK	Flash Drive, Child Key Used with CAA0735	\$42.00

## ***KNG2 Series P25 Digital Portable Accessories (Continued)***

### **Programming Accessories**

KAA0587A	Cable Key Encryption KNG to KVL3000/4000 KNG2-Pxxx & KNG-Mxxx	\$575.00
KAA0700	Cloning Cable KNG-P to KNG2-P	\$275.00
KAA0701	Legacy / KNG Cloning Cable Portable & Mobile D/G Series, KNG2P to KNGM	\$550.00
KAA0705	Cable, Authentication key Loader, KNG	\$260.00
KAA0710	KNG Programming Cable USB	\$125.00
KAA0733	Software, RES vision, KNG-Pxxx/KNG2-Pxxx W/ Trunking	\$150.00
KAA0735	Software, Editor, W/ Advance Security Key KNG	\$299.00
KZA0735	Factory Install, Advance Security Key Token, USB	\$249.00
KZA0903	Factory Programming	\$75.00

### **Speakers and microphones**

KAA0044	Kit, Side Connector, Cover, KNG/KNG2 Portable	\$29.00
KAA0203EA	Speaker/ Mic/ w/Emergency Button/ Ant port	\$355.00
KAA0203EA-KIT	Kit, KAA0203EA, KAA0811C, KAA0221-203	\$430.00
KAA0204-35	Speaker Microphone, 3.5mm audio jack IP68 submersible use with KAA0221 or KAA0221EH	\$185.00
KAA0204-E35	Microphone, Speaker, Emergency Button, W3.5mm jack, KNG-P	\$160.00
KAA0204-VCE35	Microphone Speaker Volume Control, Emergency Button, w/ 3.5mm Jack	\$225.00
KAA0206	Microphone, Speaker , Fire Mic, KNG-P	\$795.00
KAA0210NC	Speaker Microphone Cancelling 3.5mm KNG P Series	\$225.00
KAA0210NC-K	Speaker Microphone Cancelling 3.5mm KNG P Series W/Adaptor Kit	\$225.00
KAA0214	Side Connector KNG to Hirose "Need for KAA0228"	\$45.00
KAA0220	Earphone Listen Only 2.5 mm Black Loop "Used with KAA0200"	\$15.95
KAA0220EH	Earphone Listen Only 2.5 mm Black Loop (Ear Hugger Style)	\$61.67
KAA0221	Earphone Listen Only 3.5 mm Black Ear Loop	\$75.00
KAA0221-203	Earphone , Listen Only, 3.5mm, Ear loop For KAA0203E, 203E-GPS, 203EA only	\$45.00
KAA0221EH	Earphone Listen Only 3.5 mm Black Loop (Ear Hugger Style)	\$61.67
KAA0221OTE	Earphone, Listen Only, 3.5mm, Over-the Ear	\$30.00
KAA0222EH	Earphone, Listen Only, 3.5mm, Ear Hugger	\$40.00
KAA0222OE	Earphone Kit, Over Ear, KNG-P team , 0783B2	\$75.00
KAA0223	Headset, Heavy Duty Boom microphone, KNG-P	\$620.00
KAA0225	Two Wire Speaker Microphone	\$252.00
KAA0226	Three Wire Speaker Microphone " Requires One of these KAA0226B,KAA0226F,KAA0 226R"	\$270.00
KAA0226A	Acoustic Tube w/ clear Ear Tip (Replacement)	\$52.00
KAA0226AT	Acoustic Tube with Ear Bud,07821T	\$10.00
KAA0226B	Barrel PTT Button LP	\$50.00
KAA0226EB	Ear Bud, Standard Kit, 07821B	\$3.50
KAA0226EL	Large Flexible Ear Insert (Replacement)	\$27.50
KAA0226EM	Medium Flexible Ear Insert (Replacement)	\$27.50
KAA0226ES	Small Flexible Ear Insert (Replacement)	\$27.50
KAA0226ET	Ear Tip Flexible Ear Insert	\$20.00
KAA0226F	Flat PTT Button LP	\$80.00
KAA0226OEI	Acoustic Tube with Ear Insert	\$45.00
KAA0226R	Ring PTT Button	\$50.00
KAA0228	Heavy Duty Behind the Headset Heavy Duty, Boom Microphone, KNG-P	\$965.00
KAA0235	Adaptor, 2.5 to 3.5mm audio jack, used with KAA0205NC-25	\$25.00

### **Service**

7011-31092-100	Manual Owner's KNG2 P CMD	\$11.75
KAA0005CD	Service Manual KNG2-PXXX CD	\$45.00
KAA0040	Kit, Knob, Portable, Channel Select & Volume, KNG-P	\$6.36
KAA0043	Kit, Battery Latch & Spring KNG-Pxxx	\$10.00
KAA0111	Battery Eliminator, KNG-P Series	\$70.80
KAA0608	Cable Kit, Service, KNG-Pxxx	\$475.00
KAA0608A	Cable Kit, service, Aeroflex, KNG-P	\$475.00
KAA0648	Cable , Coiled, Molded, KAA0200, KNG-P (Replacement cable)	\$135.00
KAA0649	Cable, Strd, Molded, Unterminated, KNG-P	\$135.00

### **Extended Warranty**

LFW0012	Extend warranty to 3 years (Radio Only)	\$179.00
LFW0024	Extend warranty to 4 years (Radio Only)	\$229.00
LFW0036	Extend warranty to 5 years (Radio Only)	\$279.00

## KNG Series P25 Digital Portables

KNG-P150	136-174 MHz, 5000 channels, 6 Watt, P25 Digital/Analog Portable	\$2,713.00
KNG-P150CMD	136-174 MHz, 5000 channels, 6 Watt, P25 Specialized Command Groups	\$2,713.00
KNG-P150T2	136-174 MHz, 5000 channels, 6 Watt P25 Digital/Analog Portable without Keypad	\$2,713.00
KNG-P400	380-470 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable	\$2,713.00
KNG-P400T2	380-470 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable without Keypad	\$2,713.00
KNG-P500	440-520 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable	\$2,713.00
KNG-P500T2	440-520 MHz, 5000 channels, 5 Watt P25 Digital/Analog Portable without Keypad	\$2,713.00
KNG-P800	763-870 MHz, 5000 channels, 3 Watt P25 Digital/Analog Portable	\$2,713.00
KNG-P800T2	763-870 MHz, 5000 channels, 3 Watt P25 Digital/Analog Portable without Keypad	\$2,713.00

*Prices for radio and KAA0400 belt clip only. Battery, Antenna and other accessories sold separately*

**GPH, DPH and KNG Portables Call Sales Representative for Trade-in allowance and Process**



**KNG-Pxxx**  
Antenna sold separately



**KNG-PxxxT2**  
Antenna sold separately

## KNG Series P25 Digital Portable Accessories

### Antennas

KAA0810G2	Antenna, VHF, 136-174MHz, SMA, KNG-P150	\$30.00
KAA0811C	Antenna, VHF, 162-174MHz, SMA, KNG-P, Stubby	\$30.00
KAA0813	Antenna, Portable, VHF, 144-174MHz, KNG-P	\$45.00
KAA0815	UHF, SMA (380-470 MHz) Antenna	\$25.00
KAA0816	UHF, SMA (440-520 MHz) Antenna	\$25.00
KAA0818	Antenna, VHF, 150-170MHz, SMA, KNG-P150, Whip	\$50.00
KAA0825	800, SMA (764-870 MHz) Antenna	\$33.00
KAA0826	UHF, SMA (403-435MHz) Antenna Stubby 3.5"	\$25.00
KAA0833	760-870 MHz, 1/4 Wave Stubby KNG-P800	\$40.70
MAGMT-SMA	Antenna Mag Mount SMA Male 17' Cable	\$84.00

### Batteries

KAA0101	Li-Ion-Ion Battery 3450 mAh	\$225.00
KAA0101IS	Battery Pack, Li-ion, 3450 mAh, 10.8 V Intrinsically Safe (Used with KAA0422 Case)	\$265.00
KAA0103	Battery Pack, Li-Ion, 2300mAh, Intelligent	\$165.00
KAA0120	"AA" Clam Shell Battery Case Orange	\$65.00

### Carrying Accessories

KAA0400	Belt Clip "Included with portable KNG Series or purchase as replacement"	\$25.00
KAA0402	Belt Clip 2.5" W/ Snap, KAA0422	\$20.00
KAA0413	Strap, Leather, Shoulder, BLK, HD	\$60.00
KAA0413T	Strap, Leather, Tether, BLK used W/ KAA0413	\$20.00
KAA0415	Leather Case, Cover, Belt Loop Black	\$52.00
KAA0415CF	Case, Leather, Large, Belt-loop, Open Key, Blk	\$45.00
KAA0421	Leather Case with Belt Loop & D Swivel Kit	\$75.00
KAA0422C	Leather Case "Cordovan Color"	\$75.00
KAA0447	Chest Carrying Pack Orange	\$66.00
KAA0447A	Chest Carrying Pack Black	\$66.00
KAA0448	Chest Harness, Black, KNG/DPH	\$95.00
KAA0450T	Case Nylon Holster w/ Belt Loop Tan	\$39.00
KAA0451B	Case Nylon Full Case W/ Belt Clip Black	\$40.00
KAA0455	KNG Carrying Case Nylon Camouflage (KAA0100 Only)	\$38.95
LAA0413	Strap, Leather, Shoulder " Can be used with KAA0415 & KAA0415CF"	\$15.00
RDRCC	12 Cavity Carrying Case	\$972.00

### Chargers

KAA0300P	Charger, Desktop Single KNG-Pxxx	\$100.00
KAA0301P	Charger, Desktop 6 Bay KNG-Pxxx	\$778.00
KAA0303-1	Charger, Desk Top, 1 Bay, KNG, Intelligent, Conditioning	\$200.00
KAA0303-6	Charger, Desk Top, 6-Bay, KNG, Intelligent, Conditioning	\$810.00
KAA0355P	Charger, Vehicle KNG-Pxxx	\$155.00
KAA0601P	Mounting Bracket, Vehicle, for KAA0301P	\$80.00
KAA0602P	Cable Kit, 10ft. Hard Wire, fused for KAA0301P	\$40.00

### Options

KAA0582	Option, OTAP, Trunking, KNG-Pxxx "Must have KZA0579"	\$199.00
KAA0570	OTAR (Trunking & Conventional) 2048 Channel Portables "Must have KZA0579"	\$485.00
KAA0579	P25 9600 Baud Trunking 5000 Channel Portables	\$660.00
KAA0593	Option, TDMA, KNG-Pxxx	\$250.00
KAA0595	Option, radio Authentication, KNG-P "Must have KZA0577"	\$125.00
KZA0541	Factory Conversion Trunking KNG-PxxxS to KNG-PxxxCMD KAA0579 or KZA0579 required	\$600.00
KZA0558	Factory Install Intrinsically Safe, KNG-Pxxx only	\$175.00
KZA0570	Factory Install OTAR Trunking & Conventional 2048 Channel Portables "Must have KZA0577"	\$485.00
KZA0577	Factory Install DES / AES Encryption	\$288.00
KZA0579	Factory Install P25 9600 Baud Trunking	\$660.00
KZA0581	Factory Install Multi -Cast Vote Scan Plus	\$90.00
KZA0582	Factory Install, OTAP, Trunking, KNG-Pxxx "Must have KZA0579"	\$199.00
KZA0584	Factory Install, Wireless Tactical Over the Air Rekeying Includes KZA0578 KNG-PS Series	\$485.00
KZA0588	Factory Conversion to P25 Trunking KNG-PxxxS to KNG-Pxxx KAA0579 or KZA0579 required	\$600.00
KZA0593	Factory Install, TDMA, KNG-Pxxx	\$250.00
KZA0595	Factory Install, Site Authentication KNG-Pxxx "Must have KZA0577 & KZA0579"	\$125.00
ASK-CK	Flash Drive, Child Key Used with KAA0735	\$42.00
KAA0587A	Cable Key Encryption KNG to KVL3000/4000 KNG-Pxxx & KNG-Mxxx	\$575.00
KAA0700	Cloning Cable KNG-P to KNG-P	\$275.00
KAA0701	Legacy / KNG Cloning Cable Portable & Mobile D/G Series, KNGP to KNGM	\$550.00

## ***KNG Series P25 Digital Portable Accessories (Continued)***

### **Programming Accessories**

KAA0705	Cable, Authentication key Loader, KNG	\$260.00
KAA0710	KNG Programming Cable USB	\$125.00
KAA0732	Editing Software, KNG-PXXX & MXXX 5000 channels NEO Vision	\$150.00
KAA0733	Software, RES vision, KNG-Pxxx/KNG2-Pxxx W/ Trunking	\$150.00
KAA0735	Software, Editor, W/ Advance Security Key KNG	\$299.00
KZA0735	Factory Install, Advance Security Key Token, USB	\$249.00
KZA0903	Factory Programming	\$75.00

### **Speakers and Microphones**

KAA0044	Kit, Side Connector, Cover, KNG/KNG2 Portable	\$29.00
KAA0203EA	Speaker/ Mic/ w/Emergency Button/ Ant port	\$355.00
KAA0203EA-KIT	Kit, KAA0203EA, KAA0811C, KAA0221-203	\$430.00
KAA0204-35	Speaker Microphone, 3.5mm audio jack IP68 submersible use with KAA0221 or KAA0221EH	\$185.00
KAA0204-E35	Microphone, Speaker, Emergency Button, W3.5mm jack, KNG-P	\$160.00
KAA0204-VCE35	Microphone Speaker Volume Control, Emergency Button, w/ 3.5mm Jack	\$225.00
KAA0206	Microphone, Speaker , Fire Mic, KNG-P	\$795.00
KAA0210NC	Speaker Microphone Cancelling 3.5mm KNG P Series	\$225.00
KAA0210NC-K	Speaker Microphone Cancelling 3.5mm KNG P Series W/Adaptor Kit	\$225.00
KAA0214	Side Connector KNG to Hirose "Need for KAA0228"	\$45.00
KAA0220	Earphone Listen Only 2.5 mm Black Loop "Used with KAA0200"	\$15.95
KAA0220EH	Earphone Listen Only 2.5 mm Black Loop (Ear Hugger Style)	\$61.67
KAA0221	Earphone Listen Only 3.5 mm Black Ear Loop	\$75.00
KAA0221-203	Earphone , Listen Only, 3.5mm, Ear loop For KAA0203E, 203E-GPS, 203EA only	\$45.00
KAA0221EH	Earphone Listen Only 3.5 mm Black Loop (Ear Hugger Style)	\$61.67
KAA0221OTE	Earphone, Listen Only, 3.5mm, Over-the Ear	\$30.00
KAA0222EH	Earphone, Listen Only, 3.5mm, Ear Hugger	\$40.00
KAA0222OE	Earphone Kit, Over Ear, KNG-P team , 0783B2	\$75.00
KAA0223	Headset, Heavy Duty Boom KNG	\$620.00
KAA0225	Two Wire Speaker Microphone	\$252.00
KAA0226	Three Wire Speaker Microphone " Requires One of these KAA0226B,KAA0226F,KAA0 226R"	\$270.00
KAA0226A	Acoustic Tube w/ clear Ear Tip (Replacement)	\$52.00
KAA0226AT	Acoustic Tube with Ear Bud,07821T	\$10.00
KAA0226B	Barrel PTT Button LP	\$50.00
KAA0226EB	Ear Bud, Standard Kit, 07821B	\$3.50
KAA0226EL	Large Flexible Ear Insert (Replacement)	\$27.50
KAA0226EM	Medium Flexible Ear Insert (Replacement)	\$27.50
KAA0226ES	Small Flexible Ear Insert (Replacement)	\$27.50
KAA0226ET	Ear Tip Flexible Ear Insert	\$20.00
KAA0226F	Flat PTT Button LP	\$80.00
KAA0226OEI	Acoustic Tube with Ear Insert	\$45.00
KAA0226R	Ring PTT Button	\$50.00
KAA0228	Heavy Duty Behind the Headset "Need KAA0214"	\$965.00
KAA0235	Adaptor, 2.5 to 3.5mm audio jack, used with KAA0205NC-25	\$25.00

### **Service**

7001-31004-300	Manual Owner's KNG P 150/400 S Series	\$11.75
7001-31011-500	Manual Owner's KNG PT2 S Series	\$11.75
7001-31040-700	Manual Owner's KNG P XXX	\$11.75
7001-31050-400	Manual Owner's KNG P CMD	\$11.75
KAA0001CD	Service Manual on CD KNG-PXXX	\$45.00
KAA0001SCD	Service Manual on CD KNG-PS Series	\$45.00
KAA0040	Kit, Knob, Portable, Channel Select & Volume, KNG-P	\$6.36
KAA0043	Kit, Battery Latch & Spring KNG-Pxxx	\$10.00
KAA0111	Battery Eliminator, KNG-P Series	\$70.80
KAA0608	Cable Kit, Service, KNG-Pxxx	\$475.00
KAA0608A	Cable Kit, service, Aeroflex, KNG-P	\$475.00
KAA0648	Cable , Coiled, Molded, KAA0200, KNG-P (Replacement cable)	\$135.00
KAA0649	Cable, Strd, Molded, Unterminated, KNG-P	\$135.00

### **Extended Warranty**

LFW0012	Extend warranty to 3 years (Radio Only)	\$179.00
LFW0024	Extend warranty to 4 years (Radio Only)	\$229.00
LFW0036	Extend warranty to 5 years (Radio Only)	\$279.00



# **Analog Portable Radios**

## *RP7200 Analog Portable*

RPU7200	Portable, 4W, 16Channels, 450-470MHz, 12.5/25KHz	\$290.00
RPV7200	Portable, 5W, 16Channels, 136-174MHz, 12.5/25KHz	\$290.00

Prices include Antenna, Battery, Rapid Rate Desktop Charger, Belt Clip and Carrying strap.



## *RP7200 Accessories*

<b>Antennas</b>		
RDRPUA	UHF Rubber Flex 450-470 MHz	\$18.00
RDRPUAS	UHF Stubby 450-470 MHz	\$18.00
RDRPVA	VHF Rubber Flex 146-174 MHz	\$18.00
RDRPVAS	VHF Stubby 146-174 MHz	\$18.00
<b>Batteries</b>		
BPRP1772	Battery, Li-Poly, 1700Ah, RP7200	\$74.00
BPRP2072	Battery, Li-Poly, 2000mAh, RP7200	\$93.00
<b>Chargers</b>		
BCRP672	6 Well Gang Charger	\$370.00
BCRP72	Desktop Charger	\$75.00
<b>Programming Accessories</b>		
PCRP3USB	Cable PC USB Programming	\$25.00
RESRP7200	Software	\$25.00
<b>Speakers and Microphones</b>		
Bodyguard-RP3	Lapel mic & Earpiece	\$59.00
HEADSETRP3	Universal Headset	\$75.00
Sentry-RP3	Undercover Surveillance Mic (with mic and acoustic earpiece)	\$89.00
SMHDRP3	Heavy Duty Speaker mic	\$89.00
SMRP3	Low Profile Speaker mic	\$85.33
<b>Service</b>		
TUNEFEE	Factory Programming Fee (RP Series Only)	\$45.00





# Digital Mobile Radios

## KNG Series P25 Digital Mobiles

KNG-M150	136-174 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Dash Mount	\$3,658.34
KNG-M150LP	136-174 MHz, Digital/Analog, P25, 5000 channels, 50/1 Watts Dash Mount (No 100Watt Option)	\$3,908.00
KNG-M400	380-470 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Dash Mount	\$3,658.34
KNG-M500	440-520 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Dash Mount	\$3,658.34
KNG-M800	763-870 MHz, Digital/Analog, P25, 5000 channels, 30/35 Watts Dash Mount	\$3,658.34

Units come with Installation Kit (KAA0630) & External Speaker (KAA0261)  
Microphones sold separately.



KNG-M150R	136-174 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Remote Mount	\$2,800.00
KNG-M150LPR	136-174 MHz, Digital/Analog, P25, 5000 channels, 50/1 Watts Remote Mount (No 100Watt Op)	\$3,049.66
KNG-M400R	380-470 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Remote Mount	\$2,800.00
KNG-M500R	440-520 MHz, Digital/Analog, P25, 5000 channels, 50 Watts Remote Mount	\$2,800.00
KNG-M800R	763-870 MHz, Digital/Analog, P25, 5000 channels, 30/35 Watts Remote Mount	\$2,800.00

Units come with Installation Kit (KAA0630) & External Speaker (KAA0261)  
Requires Remote Controller KAA0660 or KAA0670 and Remote Mount Cable  
Microphones sold separately.



KNG-Mxxx



KAA0670 HCH  
Handheld Control Head



KNG-MxxxR



KAA0660  
Remote Control Head

## KNG Series P25 Mobile Accessories

Antennas		
KAA0834	Antenna , GPS KNG-M	\$45.00
KAA0835	Antenna, Combo Mount NMO/GPS	\$195.00
MAGMT-NTYPE	Magnetic Mount Base 17' Cable N Type	\$64.95
MAGMT-UHF	Mount, Mag, UHF, 17' Cable	\$64.95
MWU4002S	UHF Mobile Antenna, 380-520 MHz	\$105.00
MWV1360S	VHF Mobile Antenna, 136-174 MHz	\$105.00
MWV800	Mobile Antenna, 763-870 MHz	\$105.00
MWV800NGP	Antenna Mobile, 806-866MHz, MUF8003NGP (S) (No Ground Plane Required)	\$105.00
MWV800STB	Antenna, OMNI, NMO, 698-960 MHz /1700-2700 MHz, Stubby 3.5 dbi, 100 W	\$105.00
NMO-NTYPE	Fixed Antenna Mount NMO w/ Type N Connector	\$50.00
NMO-NTYPE-L	Mount, Antenna, Perm Hole, NMOKHFUD	\$45.00
Speaker Microphones & Audio Accessories		
KAA0258	Microphone, Desktop, KNG-BXXX	\$285.00
KAA0261	External Speaker 20W, 4 Ohm, W/ Mounting Bracket (Replacement or Spare)	\$50.00
KAA0276	Standard Handheld Microphone KNG-M with right angle connector	\$266.00
KAA0276S	Standard Handheld Microphone KNG-M with Straight connector	\$266.00
KAA0290	Handheld Programming Microphone with right angle connector	\$425.00
KAA0290S	Handheld Programming Microphone with straight connector	\$425.00
KAA0647	Aux. / Speaker Cable Assembly (Replacement or Spare)	\$53.86
KAA07110	Handset, Radio Telephone, KNG-M	\$550.00
Installation Kits		
KAA0622	Cable, Interface, Motorcycle , SetCom, KNG-M	\$205.00
KAA0623	Cable, Radio, Interface, David Clark to KNG-M	\$558.00
KAA0630	Kit Install, Bracket & PWR Cord KNG-M Series Mobile Dash and Remote (Replacement or Spare)	\$214.70
KAA0631	Kit, Mobile, Mounting Adaptor, KNG-M to Kenwood	\$80.00
KAA0633	Kit, Install, KNG-M Series, Mobile, 12 AWG, Dash Mount	\$200.00
KAA0634	Cable Assy, Remote, Service, KNG-M, 30"	\$131.00
KAA0635	Cable Assy Remote Mount 8' KNG-MxxxR	\$171.00
KAA0635-10	Cable Assy Remote Mount 10' KNG-MxxxR	\$241.00
KAA0636	Cable Assy Remote Mount 17' KNG-MxxxR	\$181.00
KAA0637	Cable Assy Remote Mount 25' KNG-MxxxR	\$191.00
KAA0638	Kit Install for KAA0660 (Replacement or Spare)	\$128.95
KAA0639	Kit Install KAA0670 HCH Trunk Mount "Remote Interface Box"	\$135.00
KAA0639C	Kit, Install, Cab Mount, KAA0670 HCH to KNG-Mxxx & KNG-MxxxR	\$150.00
KAA0642	Kit, Interface KNG-M/RCH for KAA0628	\$185.00
KAA0656	Cable, RCH Extension, 300ft, KNG-Mxxx	\$815.00
KAA0656-100	Cable, RCH Extension, 100ft., KNG-Mxxx	\$340.00
KAA0656-500	Cable, RCH Extension, 500Ft. KNG-Mxxx	\$1,175.00
KAAMSAT	MSAT to KNG-M Interface Cable	\$495.00
Options & Upgrades		
KAA0154	High Power, 110W KNG-M150	\$350.00
KAA0521M	Ethernet Interface, KNG-M/B	\$275.00
KAA0569	P25 9600 Baud Trunking	\$660.00
KAA0580	OTAR (Trunking & Conventional ) "Must have KZA0576"	\$485.00
KAA0583	Vote Scan	\$90.00
KAA0589	Field Installed GPS Option for KNG Mobiles	\$695.00
KAA0592	Field Installed, OTAP, Trunking, KNG-Mxxx "Must have KZA0569"	\$199.00
KAA0594	Option, TDMA	\$250.00
KAA0596	Option, Radio Authentication "Must have KZA0576 & KZA0569"	\$125.00
KAA0614	Kit, Nameplate KNG-Mxxx	\$30.00
KAA0616	Cable Interface, FireCom KNG-Mxxx	\$120.00
KAA0628	Cradle, Desktop, HCH/RCH Interface, KNG-M/B	\$420.00
KAA0629	Kit, RCH Expansion Splitter Box, KNG-M	\$265.00
KAA0659	Splitter, Interface, HCH/RCH, KNG-M/B	\$985.00
KAA0660	Remote Control Head Plug & Play KNG-Mxxx (Comes with KAA0638 Install Kit)	\$1,460.00
KAA0661	Remote Control Head Cover KNG Mobiles	\$29.50
KAA0670	Hand Held Control Head HCH	\$850.00
KZA0154	Factory Install Option, High Power, 110W KNG-M150 Only	\$350.00
KZA0569	Factory Install P25 9600 Baud Trunking	\$660.00
KZA0576	Factory Install DES / AES Encryption	\$288.00
KZA0580	Factory Install P25 Over the Air Rekeying (OTAR) " Must have KZA0576"	\$485.00

## ***KNG Series P25 Digital Mobile Accessories (Continued)***

### **Options & Upgrades continued**

KZA0583	Factory Install Vote Scan	\$90.00
KZA0589	Factory Install GPS	\$695.00
KZA0592	Factory Install, OTAP, Trunking, KNG-Mxxx "Must have KZA0569"	\$199.00
KZA0594	Factory Install, TDMA "Must have KZA0569"	\$250.00
KZA0596	Factory Install, Radio Authentication "Must have KZA0576 & KZA0569"	\$125.00
KZA0614	Factory Install, Kit, Nameplate KNG-Mxxx	\$35.00
KZA0625	Factory Install, Convert KNG-M to KNG-MxxxR	\$205.00
KZA0626	Factory Install, Convert KNG-MxxxR to KNG-Mxx	\$395.00

### **Programming**

ASK-CK	Flash Drive, Child Key Used with KAA0735	\$42.00
KAA0587A	Cable Key Encryption KNG to KVL3000/4000 KNG-Pxxx & KNG-Mxxx	\$575.00
KAA0701	Cloning Cable Portable & Mobile KNG	\$550.00
KAA0705	CABLE, Authentication, Key Loader, KNG	\$260.00
KAA0710	KNG Programming Cable USB	\$125.00
KAA0733	Editing Software, KNG-P & M	\$150.00
KAA0735	Software, Editor, W/ Advance Security Key KNG	\$299.00
KZA0735	Factory Install, Advance Security Key Token, USB	\$249.00
KZA0903	Factory Programming KNG	\$75.00

### **Service**

7001-31028-900	Manual Owner's KNG MXXX ( Included with Mobile)	\$11.75
KAA0002-150CD	Manual, Service, KNG-M150 CD	\$8.00
KAA0002-400CD	Service Manual, KNG-M400/500, CD	\$8.00
KAA0002-800CD	Service Manual, KNG-M800, CD	\$8.00
KAA0609	Cable Kit, Service, KNG-M	\$360.00
KAA0609A	Cable Kit, Service, Aeroflex, KNG-M	\$360.00

### **Extended Warranty**

LFW0012	Extend warranty to 3 years (Radio Only)	\$179.00
LFW0024	Extend warranty to 4 years (Radio Only)	\$229.00
LFW0036	Extend warranty to 5 years (Radio Only)	\$279.00



## **Repeaters and Base Stations**

## ***Rapid Deployment Portable Repeater System***

**RDPR-00UM**

**Universal Repeater Portable Military (Battery sold separately)  
Price Includes: AC Wall Charger & 7 AH SLA battery in weather proof box. Excludes HP Series above.**

**\$3,787.00**

**NOTE: All RPDR's require an "RIKXXX" Interface Kit**



## Rapid Deployment Portable Repeater Accessories

### Antenna's & Antenna Accessories

BS4MRDPR	Tripod, Heavy Duty 4m (13 feet) Blue Sky RDPR	\$6,753.00
CABANTRDPR	Cable, RG58 Coax 25ft with connectors	\$104.00
CABANTRDPR50	Cable, RG58 Coax, 50 ft., LMR240, N to UHF, RDPR	\$155.00
CABANTRDPR50N	Cable Coax, Ant. 50ft, LMR240, N to N, RDPR with connectors	\$155.00
MBS	Antenna mounting base	\$47.00
MBS-NTYPE	Antenna mounting base w/ N Type	\$70.00
MWU4002S	Mobile Antenna, 406-512 MHz w/Spring	\$105.00
MWV1360S	Mobile Antenna, 136-174 MHz w/spring	\$105.00
MWV800	Mobile Antenna 763-870MHz	\$105.00
USAT-1	Tripod, Aluminum, 6ft	\$204.32

### Batteries & Battery Options

4004-40012-601	Replacement 7 Ah Internal Battery RDPR-OOU	\$50.00
4004-40012-603	Li-Ion Battery 12 AH, 15V RDPRUM	\$900.00
BATTKITRDPR	2nd Battery Installation Kit (Include 4004-40012-601 battery)	\$105.00

### Carrying Cases

RDRCC	Carrying Case 12 Cavity	\$972.00
RDRRCC	Carrying Case for RDPR & Accessories	\$2,538.00

### Chargers, Solar Panels & Cable Options

CABAUTO12VRDPR-HP	Cable, Assy, 12V, Auto Acc, RDPR-HP	\$225.00
CABSOLARRDPR	Cable, Solar, Extension, 10 ft.	\$95.50
CHRGCBRLDPR	Charge cable Assy EBS-RDPR to RDPR	\$225.00
CHRGCBRLDPR-UM	Charge cable Assy EBS-RDPR to RDPR-UM	\$245.00
DCCBLRDPRUM	Cable, DC, 6Ft., 18AWG RDPRUM	\$70.00
DRKIT-RDPR	Factory Install, Converts RDPR to Digital In-Band Repeater	\$485.00
PWRCBLHP	EBS Cable output RDPR-HP	\$225.00
SLRCBLRDPRUM	Cable, Solar, 6Ft., 18AWG RDPRUM	\$130.00
SP20WM	Solar Panel Mounting Bracket "Limited Quantities"	\$83.00
SP20WRDPR	20 Watt Solar Panel "Limited Quantities"	\$428.00
SP20WRDPR-F	Solar Panel Foldable, 15.8V, 1.2A, 20W	\$790.00
SP60WRDPR-F	Solar Panel Foldable 60 Watt	\$2,077.00
SP90WRDPR-F	Solar Panel Foldable 90 Watt	\$2,875.00
VARDPR	Vehicle Accessory Adapter/Cigarette Lighter	\$225.00
VARDPR-UM	Charging Adaptor, Vehicle, RDPR-UM	\$285.00
VASLREBS	Cable, Charging, Vehicle, Solar, EBS-RDPR	\$250.00
VATOUm	Cable, Adaptor, Solar to military	\$250.00
WCHRGREBS	Wall Charger 5A 110-220Vac EBS-RDPR	\$203.82
WCRDPR	Wall Charger (Additional to what comes with standard box)	\$70.00
WCRDPRUM	Wall Charger (Additional to what comes with standard box) RDPRUM	\$230.00
WPSRDPR-HP	Power Supply Wall Unit 14V/ 10A RDPR HP	\$485.00

### Duplexers

\*Duplexers must have 5 - 10 MHz TX-RX separation

LZA0151	Factory Install Power Amplifier VHF 45 Watts RDPR-HP	\$1,640.00
LZA0152	Factory Install Power Amplifier UHF 45 Watts RDPR-HP	\$1,395.00
LZA0155	Factory Install Power Amplifier 700/800 45 Watts RDPR-HP	\$1,800.00
LZA3015-A *	Factory Install 136-148 MHz Internal Duplexer (frequencies required)	\$1,184.00
LZA3015-B *	Factory Install 148-160 MHz Internal Duplexer (frequencies required)	\$1,184.00
LZA3015-C *	Factory Install 160-174 MHz Internal Duplexer (frequencies required)	\$1,184.00
LZA3017-A *	Factory Install 406-440 MHz Internal Duplexer (frequencies required)	\$1,284.00
LZA3017-A6 *	Factory Install 380-400 MHz Internal Duplexer (frequencies required)	\$970.00
LZA3017-B *	Factory Install 440-480 MHz Internal Duplexer (frequencies required)	\$1,284.00
LZA3017-C *	Factory Install 480-512 MHz Internal Duplexer (frequencies required)	\$1,284.00
LZA3050	Factory Install Duplexer Switch Kit RDPR	\$1,879.00
LINKCRDPR	Cable Mobile Extender Link , RDPR	\$185.00
LINKCRDPR2	Cable Mobile Extender Link , RDPR-HP/M	\$175.76
LZA0952	Programming, Duplexer, Tuning, Charge	\$91.67
MR354B-4	Duplexer 380-400MHz	\$1,184.00

### Interface Kits & Cables

LZA0587	Factory Install, Upgrade to RDPR-00U	\$1,658.00
MECRDPR	Mobile Interface Cable	\$60.00
MECRDPR-KNGM	Cable, Mobile Extender, RDPR-HP/M to KNGM	\$179.76
MECRDPR2	Cable, Mobile Extender, RDPR-HP/M	\$195.00
RIKAPX	radio Interface Kit, APX, RDPR	\$2,080.00

## ***Rapid Deployment Portable Repeater Accessories (Continued)***

<b>RIKDPH</b>	<b>Radio Interface Kit for BK Radio D and G Series Portables</b>	<b>\$500.00</b>
<b>RIKKNG</b>	<b>Radio Interface Kit for KNG Portables</b>	<b>\$1,200.00</b>
<b>RIKXTS</b>	<b>Radio Interface Kit for Motorola XTS5000 and EFJ P5100 Portables</b>	<b>\$1,667.00</b>
<b>RIKXTS2500</b>	<b>Radio Interface Kit, XTS2500, RDPR</b>	<b>\$1,667.00</b>
<b>SINGARS_LINK</b>	<b>Linking Cable for SINGARS</b>	<b>\$265.00</b>
<b>SINGARS_LINK2</b>	<b>Linking Cable for SINGARS-mil</b>	<b>\$265.00</b>



## ***KNG Series P25 Digital Base Stations***

<b>KNG-B150</b>	<b>Base, Station, Digital VHF 136-174MHz, 5000 Channels, 50 Watts</b>	<b>\$5,057.00</b>
<b>KNG-B400</b>	<b>Base, Station, Digital UHF 380-470MHz, 5000 Channels, 50 Watts</b>	<b>\$5,057.00</b>
<b>KNG-B500</b>	<b>Base, Station, Digital UHF 440-520-MHz, 5000 Channels, 50 Watts</b>	<b>\$5,057.00</b>
<b>KNG-B800</b>	<b>Base, Station, Digital 763-870 MHz, 5000 Channels, 30/35 Watts</b>	<b>\$5,057.00</b>

**Unit comes with Internal Speaker and Power Supply**



**KNG-Bxxx**  
**Microphone sold separately**

## *KNG Series P25 Digital Base Station Accessories*

<b>Antennas</b>		
MAGMT-NTYPE	Mount, Mag, N-Type, Male 17' Cable	\$64.95
MAGMT-UHF	Mount, Mag, UHF, 17' cable	\$64.95
MWU4002S	UHF Mobile Antenna, 380-520 MHz	\$105.00
MWV1360S	VHF Mobile Antenna, 136-174 MHz	\$105.00
MWV800	Mobile Antenna, 763-870 MHz	\$105.00
NMO-NTYPE	Fixed Antenna Mount NMO w/ Type N Connector	\$50.00
<b>Speaker Microphones &amp; Audio Accessories</b>		
KAA0258	Microphone, Desktop	\$285.00
KAA0261	External Speaker 20W, 4 Ohm, W/ Mounting Bracket	\$50.00
KAA0276	Standard Handheld Microphone KNG-M	\$266.00
KAA0290	Handheld Programming Microphone	\$425.00
KAA0647	Aux. / Speaker Cable Assembly (Included with KNG-Bxxx)	\$53.86
<b>Options &amp; Upgrades</b>		
LAA2027PS	Programming Kit, LZA2027, Software & Cable	\$130.00
KAA0154	Option, High Power, 110W KNG-M150 Field Installed	\$350.00
KAA0521	DFSI/Station Alert Interface Unit	\$655.00
KAA0569	P25 9600 Baud Trunking	\$660.00
KAA0580	OTAR (Trunking & Conventional ) "Must have KZA0576"	\$485.00
KAA0583	Vote Scan	\$90.00
KAA0589	GPS Option for KNG Mobiles	\$695.00
KAA0592	Field Installed, OTAP, Trunking, KNG-Mxxx "Must have KZA0569"	\$199.00
KAA0594	Option, TDMA " Must have KZA0569"	\$250.00
KAA0596	Option, Radio Authentication " Must have KZA0569 & KZA0576"	\$125.00
KAA0615	Kit, Audio Interface box for Headset and Foot PTT, Does not include headset	\$375.00
KAA0618	Foot Switch, PTT, Heavy duty, KNG-B "requires KZA0615"	\$215.00
KAA0619	Cable assy, Dual Microphone Extension, KNG-B	\$245.00
KAA0628	Cradle, Desktop, HCH/RCH Interface KNG-M/B	\$420.00
KAA0629	Kit, RCH Expansion Splitter Box, KNG-M	\$265.00
KAA0647A	Cable Assy, ACC, 25 pin w/audio Jack, KNG-M	\$115.00
KAA0659	Multi Splitter, Interface HCH/RCH KNG-M/B	\$985.00
KZA0154	Option, High Power, 110W KNG-M150 Factory Installed	\$350.00
KZA0569	P25 9600 Baud Trunking	\$660.00
KZA0576	DES / AES Encryption	\$288.00
KZA0580	P25 Over the Air Rekeying (OTAR)	\$485.00
KZA0583	Factory Install Vote Scan	\$90.00
KZA0589	Factory Install GPS	\$695.00
KZA0592	Factory Install, OTAP, Trunking, KNG-Mxxx "Must have KZA0569"	\$199.00
KZA0594	Factory Install, TDMA	\$250.00
KZA0596	Factory Install, Radio Authentication	\$125.00
KZA0615	Interface Board, Audio Headset, KNG-B	\$180.00
KZA0616	Factory Install, Remote Interface, KNG-B	\$280.00
KZA2027	Factory Install, Tone Termination Panel, IDA, KNG-B Requires LAA2027PS	\$1,030.00
KZA2028	Factory Install, Tone Termination Panel, Vega, KNG-B Includes Program Cable & Software	\$2,965.00
7011-30944-603	Cable Assy, Interface, DB25, KZA2028	\$145.00
<b>Programming</b>		
ASK-CK	Flash Drive, Child Key Used with KAA0735	\$42.00
KAA0587A	Cable Key Encryption KNG to KVL3000/4000 KNG-Pxxx & KNG-Mxxx	\$575.00
KAA0701	Cloning Cable Portable & Mobile KNG	\$550.00
KAA0705	CABLE, Authentication, Key Loader, KNG	\$260.00
KAA0710	KNG Programming Cable USB	\$125.00
KAA0733	Editing Software, KNG-P & M	\$150.00
KAA0735	Software, Editor, W/ Advance Security Key KNG	\$299.00
KZA0735	Factory Install, Advance Security Key Token, USB	\$249.00
KZA0903	Factory Programming KNG	\$75.00
<b>Service</b>		
KAA0003CD	Manual, Service, KNG-B XXX CD	\$45.00
<b>Extended Warranty</b>		
LFW0012	Extended Warranty to 3 Years	\$179.00
LFW0024	Extended Warranty to 4 Years	\$229.00
LFW0036	Extended Warranty to 5 Years	\$279.00

## ***KNG Series P25 Digital Base Station Accessories (Continued)***

### **IP-224 Ethernet Adapter Panel (Bosch/Telex)**

IP-224 V2	IP-224 Adaptor (No Options)	\$4,257.14
IP-224 V2 WOPS NA	IP-224 Adaptor w/Factory Inst. Options	\$4,257.14
TLX-MDC Dec - 224	IP-224 MDC1200 Decode SW @ PI Factory	\$568.57
TLX-MDC Dec-Enc 224	IP-224 MDC1200 Decode/Encode SW @ PI Factory	\$1,508.57

### **KNG-B/M Interface Adapter Cable**

KAA0621	Interface Cable Assembly, IP-224 to KNG-B/M (required for interface - not included with IP-224 or KNG-B/M)	\$97.00
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### **IP-224 Consoles (Bosch/Telex)**

TLX-C-6200-18	C-6200-US, 18 Line VoIP Console - Factory Options	\$12,852.86
TLX-IP-1616-US	IP-1616 8 Line VoIP Console, US Version	\$6,534.29
TLX-IP-2002-US	IP 2002-US, 2 Line Console	\$3,158.57
TLX-MD-MS	MD-MS DESK MIC	\$388.57

### **C-Soft v7.0 License Size (Bosch/Telex)**

TLX-C-SOFT7 6L	C-Soft 6-line SOFTWARE v7	\$5,498.57
TLX-C-SOFT7 12L	C-Soft 12-line SOFTWARE v7	\$6,875.71
TLX-C-SOFT7 24L	C-Soft 24-line SOFTWARE v7	\$8,597.14

### **Dispatcher Audio Interface (Bosch/Telex)**

TLX-ADHB-4 US	ADHB-4, Advanced Audio Interface	\$3,530.00
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### **Microphone, Headset and Accessories (Bosch/Telex)**

TLX-DT-GN W/GNM-18	Desk Top Gooseneck Microphone kit	\$914.29
TLX-DISH-1 Headset	Dispatcher Headset	\$1,152.38

### **IP-224 Accessories (Bosch/Telex)**

TLX-IP-224 Dual Brackets	IP-224 Mounting Brackets (Dual)	\$151.43
TLX-IP-224 Single Bracket	IP-224 Mounting Brackets (Single)	\$91.00
TLX-DSP223RACK	19" Rack mount bracket holds two IP-223's, DSP's or TRA's	\$163.24

### **IP-224 Field Upgrades - Note unit Serial Number/s is required at time of ordering (Bosch/Telex)**

TLX-MDC Dec - 224-Field	IP-224 MDC1200 Decode SW for Field	\$568.57
TLX-MDC Dec-Enc - 224-Field	IP-224 MDC1200 Decode/Encode SW Field	\$1,508.57

## *Eclipse 2 Repeaters and Base Stations*

**ECLIPSE2 - P25 Conventional** Standard 2 year warranty, no extended warranty offered

**E2 P25 Digital Conventional Station Only (less Power Supply)**. Complete with rack frame, transceiver, power amplifier and H/BC/CH1 battery charge/change over board. P25 and Analog mode software programmable and IP Analog and P25 Networking. Intelligent IP Power amplifier with IP Digital Control and remote diagnostics. Blank Panels BP-3 & BP-4 included. Upgradeable to Phase 2 P25 Linear PA. Note - with 800 MHz, specific frequencies are required.

P25-C/BS-E2-150A- L/BC/CH1/BP3/BP4	Eclipse2	136-174 MHz	60W	\$14,221.30
P25-C/BS-E2-150A- H/BC/CH1/BP3/BP4	Eclipse2	136-174MHz	100W	\$14,616.30
P25-C/BS-E2-350A- L/BC/CH1/BP3/BP4	Eclipse2	375-400MHz	60W	\$14,356.15
P25-C/BS-E2-500A- L/BC/CH1/BP3/BP4	Eclipse2	400-430MHz	60W	\$14,356.15
P25-C/BS-E2-500B- L/BC/CH1/BP3/BP4	Eclipse2	440-490MHz	60W	\$14,356.15
P25-C/BS-E2-500C- L/BC/CH1/BP3/BP4	Eclipse2	485-520MHz	60W	\$14,356.15
P25-C/BS-E2-350A- H/BC/CH1/BP3/BP4	Eclipse2	375-400MHz	100W	\$15,143.48
P25-C/BS-E2-500A- H/BC/CH1/BP3/BP4	Eclipse2	400-430MHz	100W	\$15,143.48
P25-C/BS-E2-500B- H/BC/CH1/BP3/BP4	Eclipse2	440-490MHz	100W	\$15,143.48
P25-C/BS-E2-500C- H/BC/CH1/BP3/BP4	Eclipse2	485-520MHz	100W	\$15,143.48
P25-C/BS-E2-800- L/BC/CH1/BP3/BP4	Eclipse2	800 MHz	60W	\$15,791.76
P25-C/BS-E2-800- H/BC/CH1/BP3/BP4	Eclipse2	800MHz	80W	\$16,657.83

**ECLIPSE2 - Analog Conventional** Standard 2 year warranty, no extended warranty offered

**E2 Analog Conventional Station Only (less Power Supply)**. Complete with rack frame, transceiver, power amplifier and battery charge/change over board plus blank panels. Analog mode software programmable and Networking. P25 Upgradeable. Intelligent IP Power amplifier with IP Digital Control and remote diagnostics. Blank Panels BP-3 & BP-4 included. Upgradeable to P25.

Note - with 800 MHz, specific frequencies are required.

BS-E2-150A- L/BC/CH1/BP3/BP4	Eclipse2	136-174 MHz	60W	\$10,810.69
H/BC/CH1/BP3/BP4	Eclipse2	136-174MHz	100W	\$11,205.69
BS-E2-350A- L/BC/CH1/BP3/BP4	Eclipse2	375-400MHz	60W	\$10,945.54
BS-E2-500A- L/BC/CH1/BP3/BP4	Eclipse2	400-430MHz	60W	\$10,945.54
BS-E2-500B- L/BC/CH1/BP3/BP4	Eclipse2	440-490MHz	60W	\$10,945.54
BS-E2-500C- L/BC/CH1/BP3/BP4	Eclipse2	485-520MHz	60W	\$10,945.54
BS-E2-350A- H/BC/CH1/BP3/BP4	Eclipse2	375-400MHz	100W	\$11,732.87
BS-E2-500A- H/BC/CH1/BP3/BP4	Eclipse2	400-430MHz	100W	\$11,732.87
BS-E2-500B- H/BC/CH1/BP3/BP4	Eclipse2	440-490MHz	100W	\$11,732.87
BS-E2-500C- H/BC/CH1/BP3/BP4	Eclipse2	485-520MHz	100W	\$11,732.87
BS-E2-800- L/BC/CH1/BP3/BP4	Eclipse2	800 MHz	60W	\$12,047.81
BS-E2-800- H/BC/CH1/BP3/BP4	Eclipse2	800MHz	80W	\$12,835.14

## Eclipse2 Modules

### ECLIPSE2 Reciter Modules.

Standard 2 year warranty, no extended warranty offered

Reciter is a combined TX/RX module.

Note - with 800 MHz, specific frequencies are required.

E2-TRX150	Digital Receive & Transmit (5 Watt) 136-174MHz	\$6,350.04
E2-TRX350A	Digital Receive & Transmit (3 Watt) 375-400MHz	\$6,393.89
E2-TRX500A	Digital Receive & Transmit (3 Watt) 400-430MHz	\$6,393.89
E2-TRX500B	Digital Receive & Transmit (3 Watt) 440-490MHz	\$6,393.89
E2-TRX500C	Digital Receive & Transmit (3 Watt) 485-520MHz	\$6,393.89
E2-TRX800	Digital Receive & Transmit (3 Watt) 800 MHz Series	\$7,193.12

### ECLIPSE2 Voting Receiver - Digital Analog mode

Note - with 800 MHz specific frequencies are required

E2-RX150	Digital Receive 136-174MHz	\$5,403.07
E2-RX350A	Digital Receive 375-400MHz	\$5,446.92
E2-RX500A	Digital Receive 400-430MHz	\$5,446.92
E2-RX500B	Digital Receive 440-490MHz	\$5,446.92
E2-RX500C	Digital Receive 485-520MHz	\$5,446.92
E2-RX800	Digital Receive 800 MHz Series	\$6,127.78

### ECLIPSE2 P25, Voting Receiver - Digital Analog mode

Note - with 800 MHz specific frequencies are required

P25-C/E2-RX150	Digital Receive 136-174MHz P25 mode	\$6,993.98
P25-C/E2-RX350A	Digital Receive 375-400MHz P25 mode	\$7,037.83
P25-C/E2-RX500A	Digital Receive 400-430MHz P25 mode	\$7,037.83
P25-C/E2-RX500B	Digital Receive 440-490MHz P25 mode	\$7,037.83
P25-C/E2-RX500C	Digital Receive 485-520MHz P25 mode	\$7,037.83
P25-C/E2-RX800	Digital Receive 800 MHz Series P25 mode	\$7,718.69

## Eclipse2 Modules

### ECLIPSE2 RF Power Amplifiers

Intelligent IP Power amplifier with IP Digital Control and remote diagnostics.

Upgradeable to Phase 2 P25 Linear PA.

Note - with 800 MHz specific frequencies are required.

E2-IPPA150	PA 136-174MHz 60W	\$3,109.17
E2-IPPA150H	PA 136-174MHz 100W	\$3,504.17
E2-IPPA350A	PA 400-430MHz 60W	\$3,200.17
E2-IPPA350AH	PA 375-400MHz 100W	\$3,987.50
E2-IPPA350A	PA 375-400MHz 60W	\$3,200.17
E2-IPPA500AH	PA 400-430MHz 100W	\$3,987.50
E2-IPPA500B	PA 440-480MHz 60W	\$3,200.17
E2-IPPA500BH	PA 440-480MHz 100W	\$3,987.50
E2-IPPA500C	PA 480-520MHz 60W	\$3,200.17
E2-IPPA500CH	PA 480-520MHz 100W	\$3,987.50
E2-IPPA800	PA 850-870MHz 60W	\$3,503.20
E2-IPPA800H	PA 850-870MHz 80W	\$4,290.53

### ECLIPSE2 AC Power Supplies

PS12-240v	Linear PSU 20A 12V	\$1,107.58
SMPS12-2	Switched mode PSU 35A 12V	\$1,583.33
PS12-110v	Linear PSU 20A 12V (120V for export only)	\$1,107.58
SMPS12-7.0	7 Watt switch mode power supply	\$616.67
SMPS12-1	1.7 Watt switch mode power supply	\$160.61

### ECLIPSE2 Ancillary Modules & Accessories

FM-1	Fan Module (twin)	\$413.64
BC/CH1	Battery charger/changeover kit	\$310.61
KTD	Key tone decoder	TBA
VTE	Voting tone encoder	TBA
FM-2	Fist microphone	\$245.45
HBT-1	Heart Beat Timer (Voting)	TBA

## Eclipse2 Accessories

EXT-REF	External reference	\$946.97
MG-1	Module Guide	\$18.41
SSASU	Solid State antenna switching unit	\$928.79
FM SLIM/12V	Slim line 1U module fan unit	\$469.70
HSS-1	Hot standby switch	\$4,522.73
MSG-1	Module Support	\$20.58
E2-SIM - controller/GPS	Simulcast controller time server and GPS receiver	\$8,030.30
E2-SIM - controller	Simulcast controller time server and no GPS receiver	\$7,121.21
E2- GPS	GPS receiver on slide in module	\$1,818.18
E2- Batt management	Battery management system	TBA
<b>ECLIPSE2 Rack Frame &amp; associated items</b>		
RF500-19	19inch rack frame	\$509.06
PCB-TRX	Rack frame PCB kit - RX or TX	\$109.09
PCB-TRX-DB9	Rack frame PCB kit - TRX with DB9 connector to wire units	\$225.76
PCB-PA/PSU	Rack frame PCB kit - PA/PSU	\$109.09
PCB - Complete	Rack frame PCB for length of back plane on one PCB	\$833.33
BP-1	Blank panel 1U	\$39.39
BP-2	Blank panel 2U	\$39.39
BP-3	Blank panel 3U	\$39.39
BP-4	Blank panel 4U	\$39.39
<b>ECLIPSE2 Programming &amp; Service Tools</b>		
IP-E2A	IP Commander - Programming software - Analog mode	\$453.03
IP E2-P25	IP Commander - Programming software - P25 and Analog mode	\$530.30
E2 UHF SERIES	Service manual 68-88, 136-174MHz	\$133.33
SM 500 SERIES	Service manual 400-520MHz	\$133.33
SM 800 SERIES	Service manual 800-960MHz	\$133.33
MEC-1	Shielded Module extension cable	\$219.70
P25-C	P25 Firmware upgrade conventional	\$3,333.33
P25-T	P25 Firmware upgrade Trunking single site	\$6,250.00
P25-TC	P25 Single site Trunking controller	\$9,469.70
E2-SIM	E2 simulcast software for each base station	\$17,803.03
P25-S	P25 Security encryption and decryption	\$2,871.21
P25-V	Vocoder key	\$3,181.82
<b>System Options and Accessories</b>		
LZAST576	AES / DES-OFB Encryption Option (TBA - release pending)	TBA
ACSURGEKIT	AC Surge Kit, 12 outlets, 15A circuit brkr for overload protection, 19" RMount, 1RU	\$254.00
MA384	Bulk Head Lightning Protector (N Type F-F)	\$101.00
<b>Battery Management System and Back-up Battery</b>		
BMS1275	Battery Management System, Smart Charging, Low Voltage Disconnect Disconnect and Diode Isolation, 19 Rack Mount, 1 RU	\$895.00
BATTBU75	Back-up AGM Battery, 12V, 75A, 10.25"x6.13"x9.13"	\$670.00
PS35A	40A Power Supply with auto range voltage input of 90 to 264 VAC, with 63 Hz or 120 to 370 VDC. Approvals: UL, CE, TUV, CUL . External Power Supply (2RU) -	\$1,165.00
DCDC-500-48-12	DC-DC Converter, 500W, 17-92 VDC input, 12VDC output, Protection: short circuit, over load, and over temperature, Thermostatically controlled fan, 19 Rack Mount, 2RU	\$830.00
<b>Duplexers, Pre-Selectors, and Inter-Mod Panels - Duplexer TX/RX frequencies required at time of order</b>		
DU150M80RP	VHF Duplexer (50 watt : 80 dB Isolation : 1.5 dB Insertion Loss : > 4.5 MHz Min. Freq Sep)	\$790.00
DU150B80	VHF Duplexer (120 watt : 80 dB Isolation : 0.8 dB Insertion Loss : > 3.0 MHz Min. Freq Sep)	\$2,625.00
DU-64544-SNC	VHF Duplexer (150 watt : 85 dB Isolation : 1.2 dB @ 1.0 MHz : > 1.0 MHz Min. Freq. Sep.)	\$4,335.00
DU150B85	VHF Duplexer (350 watt : 85 dB Isolation : 1.5 dB Insertion Loss : > 0.5 MHz Min. Freq Sep)	\$3,875.00
DU450M75RP	UHF Duplexer (50 watt : 75 dB Isolation : 1.4 dB Insertion Loss : > 5.0 MHz Min. Freq Sep)	\$717.00
DU450B85	UHF Duplexer (350 watt : 75 dB Isolation : 1.2 dB Insertion Loss : > 5.0 MHz Min. Freq Sep)	\$1,675.00
LZA456N-1-1	800 Duplexer (50 Watt : 60 dB Isolation : 1.0 dB Insertion Loss : > 45.0 MHz Min. Freq Sep)	\$1,284.00
DU800B80RP	800 Duplexer (150 Watt : 80 dB Isolation : 1.0 dB Insertion Loss : > 45.0 MHz Min. Freq Sep)	\$1,895.00
PRE-02415-C	VHF Pre-Selector Band Pass (144-225 MHz : 2-10 MHz BW : VSWR: 1.3:1 or better)	\$1,525.00
IMP-150-05030	VHF Intermodulation Suppression Panel (50 watt)	\$1,275.00
IMP-150-12560	VHF Intermodulation Suppression Panel (125 watt)	\$1,400.00
IMP-400-05030	UHF Intermodulation Suppression Panel (50 watt)	\$1,275.00
IMP-400-12560	UHF Intermodulation Suppression Panel (125 watt)	\$1,400.00
LZA0952	Programming, Duplexer, Tuning, Charge	\$91.67

## *Eclipse2 Accessories (Continued)*

### Cabinets, Racks, and System Integration

RICA30-A	30" Cabinet with Locking Doors and fan	\$1,525.00
RICA36-A	36" Cabinet with Locking Doors and fan	\$1,625.00
RICA42	42" Cabinet with Locking Doors	\$1,772.45
RACK36	36" Open Equipment Rack	\$755.00
RACK60	60" Open Equipment Rack	\$790.00
RACK90	90" Open Equipment Rack	\$950.00
ASSEMBLYCHG	Programming & Integration, Basic (required for any cabinet, duplexer, or custom configurations)	\$833.33
CABLEKIT-1	Hardware and Cables, 1RX and 2TX, 36", BNC (RX)/Type N (RX&TX), Male (required for any cabinet, duplexer or custom configurations)	\$300.00
<b>DB-9 to USB Adapter</b>		
PCUSBDB9	DB9 to USB Adaptor Cable	\$65.00

### SPECIAL NOTE:

All LZA Options are Factory Installed options only



# BK Technologies

## KNG P25 Mobile Radio





## Public Safety Communications

The KNG Series radio offers exceptional performance in a lightweight form. With industry leading RF and electrical specifications in a rugged, submersible housing, the KNG Series platform provides the performance needed for the most demanding applications making this the perfect radio for all aspects of government, public safety and first responder missions.

- ✓ P25 Trunking Option
- ✓ TDMA Phase II Compatible
- ✓ IP54 Water and Dust Protection
- ✓ USB PC Programmable
- ✓ NIST-Certified AES, FIPS 104-2, Level 2, & DES/OFB/CFB/XL
- ✓ MIL-STD 810 C/D/E/F/G
- ✓ Cloning to KNG & Legacy Series





		
	<b>KNG Mobile Radio</b>	<b>KNG Remote Control Head (KAA0660)</b>
<b>Display</b>	Alpha-numeric Touch Screen Display The KNG Mobile's innovative color TFT touch screen display solves many issues seen in existing mobile radio control heads. Day or night, get all the information you need right at your fingertips.	
<b>Channel Capacity</b>	5000	5000
<b>Memory</b>	64 MB Volatile 256 MB Non-Volatile (Flash)	64 MB Volatile 256 MB Non-Volatile (Flash)
<b>VHF</b>	KNG-M150	Compatible
<b>UHF Range 1</b>	KNG-M400	Compatible
<b>UHF Range 2</b>	KNG-M500	Compatible
<b>700/800 MHz</b>	KNG-M800	Compatible

## Power and Current Drain

<b>Power Supply</b>	13.8 V DC $\pm$ 20% Negative Ground
<b>Transient Protection</b>	Per EIA-374-A
<b>Standby Current @ 13.8 V</b>	0.15A All models
<b>Receive Current Rated Audio @ 13.8 V</b>	2.5A All Models
<b>Transmit Current @ Rated Power</b>	VHF (50 W) 15A, VHF(110 W) 22A, UHF (50W) 15A, 700/800 MHz 10 A

## HCH - Handheld Control Head

Compatible with VHF, UHF,  
& 800MHz KNG Radios,  
labels included.

Built in Microphone



Full Color Touch Screen  
5 Lines: 3 Lines text (14 Characters), 2  
Lines Icons, programmable touch keys

Smart phone Style Contextual Display

Built in Speaker (on reverse side)

Easy to use, large back lit menu  
navigation buttons

Large back lit, programmable menu  
navigation buttons

Long 6' spring-like power cord





## Some Key Benefits

- **Innovative Touch Screen Display**  
Touch screen display provides unparalleled level of end-user customizing, ease of use, and expansion as new technologies are integrated with Project 25 Standards
- **Enhanced Voice Quality**  
The KNG Series radio uses the Third Generation Enhanced IMBE Project 25 dual rate Vocoder (AMBE+2 V1.80) for robust performance in noisy environments. Software based noise cancellation preserves situational awareness lost with dual microphone systems.
- **5 Line Color Bitmap Display**  
Status Icons, three customizable display lines of 14 characters and soft key legends.
- **Environmental Reliability**  
Designed and tested to MIL-STD-810 and IP-54 rated.
- **DHS P25 CAP Approved**  
DHS P25 Compliance Assessment Program Tested and Approved Public Safety Grade (TIA Class A).
- **Robust Receiver**  
Improved range and less susceptibility to interference.
- **Simulcast Operation**  
C4FM and CQPSK modes for robust performance in simulcast (including LSM) systems.
- **Conventional Signaling**  
Analog MDC-1200 and digital APCO Project 25 for conventional operation.
- **IP54**  
Water and dust protection
- **Scan Modes**  
Dual priority scan, trunked priority scan, and dual mode scan
- **NIST FIPS-140-2 Certification**  
The KNG Series radios employ a NIST Certified Cryptographic module.
- **Multi-key/Multi-Algorithm**  
Multi-Key/Multi-Algorithm Encryption and Over-the-Air Rekey
- **Encryption Key Fill**  
TIA-102-AACD compliant and interoperable with commercially available keyfill devices.
- **Project 25 9600 Baud Trunking**  
The KNG Series radio operates on 9600 baud P25 Compliant Trunking Systems and has been Project 25 Compliance Assessment Program (P25CAP) tested and proven interoperable.
- **OTAP**  
KNG Series radios support Over-the-Air Programming (OTAP) for operational efficiency.
- **TDMA Phase 2**  
KNG Series 700/800 MHz platforms are Project 25 Phase 2 (TDMA) ready supporting double the voice capacity of Phase 1 trunking systems.
- **Radio Authentication**  
Project 25 Radio Authentication per TIA-102-AACE-A is supported.
- **GPS/Location Services**  
Project 25 Location Services per TIA-102-BAJB are supported.
- **Room to Grow**  
Currently uses less than 20% of available memory and processor cycles.

## Mobile Radio Options

The KNG platform meets today's demanding mission critical voice requirements is future ready and able to expand with changing standards and mission requirements.

- |                      |                                    |                      |                                      |
|----------------------|------------------------------------|----------------------|--------------------------------------|
| ➤ <b>KZA0154</b>     | Option, High Power, 110W           | ➤ <b>KAA/KZA0589</b> | GPS Option for KNG Mobiles           |
| ➤ <b>KAA0660</b>     | Remote Control Head                | ➤ <b>KAA/KZA0592</b> | Over the Air Reprogramming           |
| ➤ <b>KAA0670</b>     | Handheld Control Head              | ➤ <b>KAA/KZA0594</b> | P25 Phase II – 2 Slot TDMA Operation |
| ➤ <b>KAA/KZA0569</b> | P25 9600 Baud Trunking             | ➤ <b>KAA/KZA0596</b> | P25 Radio Authentication             |
| ➤ <b>KZA0576</b>     | DES-OFB/DES-CFB/DES-XL             | ➤ <b>KAA0261</b>     | External Speaker 20W, 4 Ohm          |
|                      | AES Encryption FIPS-140-2, Level 2 | ➤ <b>KAA0276</b>     | Standard Handheld Microphone KNG-M   |
| ➤ <b>KAA/KZA0580</b> | P25 Over the Air Rekeying (OTAR)   | ➤ <b>KAA0290</b>     | Handheld Programming Microphone      |
| ➤ <b>KAA/KZA0583</b> | Multi-Cast Vote Scan Plus          |                      |                                      |



		700/800	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandsplits	700 MHz 800 MHz	763-776, 793-806 MHz 806-824,851-870 MHz	136-174 MHz	380-470 MHz	440-520 MHz
Channel Spacing		25/12.5 KHz	30/25/12.5 KHz	25/12.5 KHz	25/12.5 KHz
Maximum Frequency Separation		Full Band	Full Band	Full Band	Full Band
Audio Output Power at Rated		500 mW	500 mW	500 mW	500 mW
Frequency Stability (-30°C to +60°C, +25°C Reference)		±.00015%	±.00015%	±.00015%	±.00015%
Analog Sensitivity	12dB SINAD	0.25µV	0.20µV	0.25µV	0.25µV
Digital Sensitivity	1% BER	0.32µV	0.27µV	0.32µV	0.32µV
	5% BER	0.25 µV	0.20 µV	0.25 µV	0.25 µV
Selectivity	25 KHz	75 dB	80 dB	78 dB	77 dB
	12.5 KHz	67 dB	70 dB	67 dB	67 dB
Intermediation		-75 dB	-78 dB	-75 dB	-75 dB
Spurious Rejection		-75 dB	-80 dB	-80 dB	-80 dB
FM Hum and Noise	25 KHz	-50 dB	-50 dB	-50 dB	-50 dB
	12.5 KHz	-44 dB	-44 dB	-44 dB	-44 dB
Audio Distortion @ 15 Watts		3%	3%	3%	3%

## Transmitter - Minimum Performance Specifications

		700/800	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandsplits	700 MHz 800 MHz	763-776, 793-806 MHz 806-824,851-870 MHz	136-174 MHz	380-470 MHz	440-520 MHz
Channel Spacing		25/12.5 KHz	30/25/12.5 KHz	25/12.5 KHz	25/12.5 KHz
Maximum Frequency Separation		Full Band	Full Band	Full Band	Full Band
Rated RF Output Power		10-35 Watts	10-50 Watts 25-100 Watts	10-50 Watts	10-50 Watts
Frequency Stability (-30°C to +60°C, +25°C Reference)		±.00005%	±.00005%	±.00005%	±.00005%
Modulation Limiting		±5/4/2.5 KHz	±5/2.5 KHz	±5/2.5 KHz	±5/2.5 KHz
Emissions (Conducted and Radiated)		-75 dB	-75 dB	-75 dB	-75 dB
Audio Response		+1, -3 dB	+1, -3 dB	+1, -3 dB	+1, -3 dB
FM Hum & Noise	700 MHz 800 MHz	-45 dB	-45 dB	-45 dB	-45 dB
Audio Distortion	700 MHz 800 MHz	1.25%	1.25%	1.25%	1.25%

## GPS Specifications

Channels	50
Tracking Sensitivity	<-155 dBm
Accuracy	<6 meters (95%)
Cold Start	<32 seconds (95%)
Hot Start	<1 second (95%)
Mode of Operation	Autonomous (Non-Assisted) GPS

## Signaling

Signaling Rate	9.6Kbps(FDMA) / 12Kbps(TDMA) / 1.2Kbps (MDC)
Digital ID Capacity	16,777,216 (Conventional and Trunking)
Network Access Codes	4096 per TIA 102
Project 25 Talk Group IDs	65,535 (Conventional and Trunking)
Error Correction	Soft Decision, Golay, BCH, Reed-Solomon
Modulation	FM, CFSM, C-QPSK, H-CPM, H-DQPSK





## Standard Control Head

- Full Color Touch screen
- 5 Line display: Status Icons, three customized display lines of 14 characters, 4 programmable touch keys and menu touch key
- 3 x 4 Keypad microphone with navigation keys and 3 programmable function keys
- Dash and Remote Mount Configurations
- Multiple Control Heads supported: Single, dual and triple allow full control of the transceiver from multiple positions
- Dual 15 watt external speak outputs per control head



# KNG Mobile Military Standards C,D,E, F, & G

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I, II
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I, II
Temperature Shock	503.1	—	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I (D)
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I (A1)
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	—	507.5	—
Salt Fog	509.1	—	509.2	—	509.3	—	509.4	—	509.5	—
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I, II
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I (4), II
Shock	516.2	I, II	516.3	I, IV	516.4	I/IV	516.5	I, IV	516.6	I, II, V, VI

## Dimensions

	Inches	Millimeters
Mid Power Transceiver	2.5 x 6.5 x 8.5	63.5 x 165.1 x 215.9
High Power Transceiver	2.5 x 6.5 x 8.5	63.5 x 165.1 x 215.9
Remote Control Head	2.5 x 6.5 x 1.5	63.5 x 165.1 x 38.1
Mid/High Power Transceiver Weight	7.5 lbs	3.4 kg

## Encryption

Supported Algorithms	AES-256, AES-128, DES-OFB, DES-CFB, ADP
Algorithm Capacity	Unlimited
Encryption Keys	1024 Storage Location Number (SLN)/Common Key Reference (CKR)
Frame Re-sync Interval	P25 Common Air Interface 300 mS
Keyloading	IAW TIA-102_AACD (KVL-3000/4000)
Synchronization	OFB- Output Feedback or CFB- Cyber Feedback
Vector Generator	National Institutes of Standards
Type	Digital Encryption
Key Storage	Programmable Volatile / Non-Volatile
Key Erasure	Keyboard Command and KMF
Standards	FIPS-140-2 Level 2 FIPS 197

## Transmitter Certifications

700/800 MHz (FCC/IC)	K95KNG9800C / 2116A-KNGP800C
VHF (FCC/IC/JF-12/NTIA)	K95KNGP150 / 2116A-KNG-P150 / JF12-09552 / SPS-18031
UHF Range 1 (FCC/IC/JF-12/NTIA)	K95KNGP400 / 2116A-KNG-P400 / JF12-09552 / SPS-18031
UHF Range 2 (FCC/IC)	K95KNGP500 / 2116A-KNG-P500

## Other Certifications

P25 Compliance Assessment (P25CAP) Performance	Trunked and Conventional Performance Class A
P25 Compliance Assessment (P25CAP) Interoperability	Motorola, Harris, EF Johnson, Airbus, Daniels
Intrinsically Safe	Intrinsically Safe (IS) Class I/II/III, Division 1, Groups D, F, G



# BK Technologies

## KNG P25 Portable Radio



## Public Safety Communications



The KNG Series radio offers exceptional performance in a lightweight form, incorporating industry leading RF and electrical specifications in a rugged, submersible housing, the KNG Series platform provides the performance needed for the most demanding applications making this the perfect radio for all aspects of government, public safety and first responder missions.

- ✓ P25 Trunking Option
- ✓ TDMA Phase II Compatible
- ✓ IP67/IP68 Water and Dust Protection
- ✓ USB PC Programmable
- ✓ NIST-Certified AES, FIPS 104-2, DES-OFB/CFB/XL
- ✓ MIL-STD 810 C/D/E/F/G
- ✓ Cloning to KNG & Legacy Series
- ✓ Advanced System Key
- ✓ Radio Authentication (LLA)





## KNG Portable Radio Models

	 <b>KNG T2</b>	 <b>KNG</b>
<b>Display</b>	5 Line, full bitmapped monochromatic backlight display. 3 lines x 14 characters of customizable text 1 line of status Icons 1 line of Soft Key legends	5 Line, full bitmapped monochromatic display. 3 lines x 14 characters of customizable text 1 line of status Icons 1 line of Soft Key legends
<b>Keypad</b>	Backlight keypad with 4 customizable softkeys	Backlight keypad with 4 customizable softkeys 4 row by 3 column DTMF style keypad
<b>Channel Capacity Memory</b>	5000 64 MB Volatile 256 MB Non-Volatile (Flash)	5000 64 MB Volatile 256 MB Non-Volatile (Flash)
<b>700/800 MHz</b>	KNG-P800T2	KNG-P800
<b>VHF</b>	KNG-P150T2	KNG-P150
<b>UHF Range 1</b>	KNG-P400T2	KNG-P400
<b>UHF Range 2</b>	KNG-P500T2	KNG-P500
<b>Buttons and Switches</b>	Oversized PTT, On/Off volume Control, Orange emergency button, 16 position rotary switch, 2-postion concentric switch, two 2-position toggle switches, 2 Programmable side buttons	
<b>Transmitter Certifications</b>		
<b>700/800 MHz (FCC/IC)</b>	K95KNG9800C / 2116A-KNGP800C	
<b>VHF (FCC/IC/JF-12/NTIA)</b>	K95KNGP150 / 2116A-KNG-P150 / JF12-09552 / SPS-18031	
<b>UHF Range 1 (FCC/IC/JF-12/NTIA)</b>	K95KNGP400 / 2116A-KNG-P400 / JF12-09552 / SPS-18031	
<b>UHF Range 2 (FCC/IC)</b>	K95KNGP500 / 2116A-KNG-P500	
<b>FCC Emission Designators</b>		
<b>FCC Emission Designators</b>	11K0F3E, 16K0F3E, 8K10F1D, 8K10F1E, 8K10F1W, 20K0F1E	
<b>Power Supply</b>		
<b>Power Supply</b>	Rechargeable Li-Ion or AA-Alkaline Battery Pack	





## Some Key Benefits

bktechnologies.com

- **Exceptional Battery Life**  
Up to 12 hours with standard capacity and 22 hours with high capacity battery.
- **Enhanced Voice Quality**  
The KNG Series radio uses the Third Generation Enhanced IMBE P25 dual rate Vocoder (AMBE+2 V1.80) for robust performance in noisy environments with advanced noise.
- **Enhanced Noise Cancelation**  
Enhanced software noise canceling technology to improve communications in loud environments
- **5 Line Bitmap Display**  
Status Icons, three customizable display lines of 14 characters and soft key legends.
- **Environmental Reliability**  
Designed and tested to MIL-STD-810C/D/E/F/G and IP-67/IP68 rated.
- **DHS P25 CAP Approved**  
DHS P25 Compliance Assessment Program Tested and Approved Public Safety Grade (TIA Class A).
- **Robust Receiver**  
Improved range and less susceptibility to interference.
- **Simulcast Operation**  
C4FM and CQPSK modes for robust performance in simulcast (including LSM) systems.
- **Conventional Signaling**  
Analog MDC-1200 and digital APCO P25 for conventional operation.
- 
- **Scan Modes**  
Dual priority scan, trunked priority scan, and dual mode scan
- **NIST FIPS-140-2 Certification**  
The KNG Series radios employ a NIST Certified Cryptographic module.
- **Multi-key/Multi-Algorithm**  
Multi-Key/Multi-Algorithm Encryption
- **Over-the-Air Rekey (OTAR)**
- **Encryption Key Fill**  
TIA-102-AACD compliant and interoperable with commercially available keyfill devices.
- **P25 9600 Baud Trunking**  
The KNG Series radio operates on 9600 baud P25 Compliant Trunking Systems and has been P25 Compliance Assessment Program (P25CAP) tested and proven interoperable.
- **OTAP**  
KNG Series radios support Over-the-Air Programming (OTAP) for operational efficiency.
- **TDMA Phase 2**  
KNG Series VHF, UHF, 700/800 platforms are P25 Phase 2 (TDMA) ready supporting double the voice capacity of Phase 1 trunking systems
- **Radio Authentication**  
P25 Radio Authentication per TIA-102-AACE-A is supported
- **Room to Grow**  
Currently uses less than 20% of available memory and processor cycles.
- 

## Portable Radio Options

The KNG platform meets today's demanding mission critical voice requirements is future ready and able to expand with changing standards and mission requirements.

- **KZA0577** AES, FIPS-140-2 Approved Hardware, DES OFB / DES-CFB / DES-XL Encryption
- **KZA0578** P25 Over the Air-Rekey (OTAR)
- **KZA0579** P25 9600 Baud Trunking
- **KZA0581** Multi-Cast Vote Scan Plus
- **KZA0582** Over the Air Programming (OTAP)
- **KZA0593** P25 Phase II – 2 Slot TDMA Operation (Requires KZA0578)
- **KZA0595** P25 Radio Authentication LAA (Requires KZA0577)



		700/800	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandsplits		763-776, 793-806 MHz 806-824,851-870 MHz	136-174 MHz	380-470 MHz	440-520 MHz
Channel Spacing		25/12.5 KHz	30/25/12.5 KHz	25/12.5 KHz	25/12.5 KHz
Max Frequency Separation		Full Band	Full Band	Full Band	Full Band
Audio Output Power		500mW	500mW	500mW	500mW
Analog Sensitivity	12dB SINAD	0.250 $\mu$ V	0.200 $\mu$ V	0.250 $\mu$ V	0.250 $\mu$ V
Digital Sensitivity	1% BER	0.333 $\mu$ V	0.277 $\mu$ V	0.307 $\mu$ V	0.307 $\mu$ V
	5% BER	0.250 $\mu$ V	0.200 $\mu$ V	0.250 $\mu$ V	0.250 $\mu$ V
Selectivity	25 KHz	$\geq 74$ dB	$\geq 80$ dB	$\geq 77$ dB	76 dB
	12.5 KHz	$\geq 66$ dB	$\geq 70$ dB	$\geq 66$ dB	66 dB
Intermodulation		$\geq 75$ dB	$\geq 78$ dB	$\geq 75$ dB	$\geq 75$ dB
Spurious Rejection		$\geq 80$ dB	$\geq 80$ dB	$\geq 80$ dB	$\geq 80$ dB
FM Hum and Noise	25 KHz	$\geq 49$ dB	$\geq 50$ dB	$\geq 50$ dB	$\geq 50$ dB
	12,5 KHz	$\geq 43$ dB	$\geq 44$ dB	$\geq 44$ dB	$\geq 44$ dB
Audio Distortion		1%	1%	1%	1%

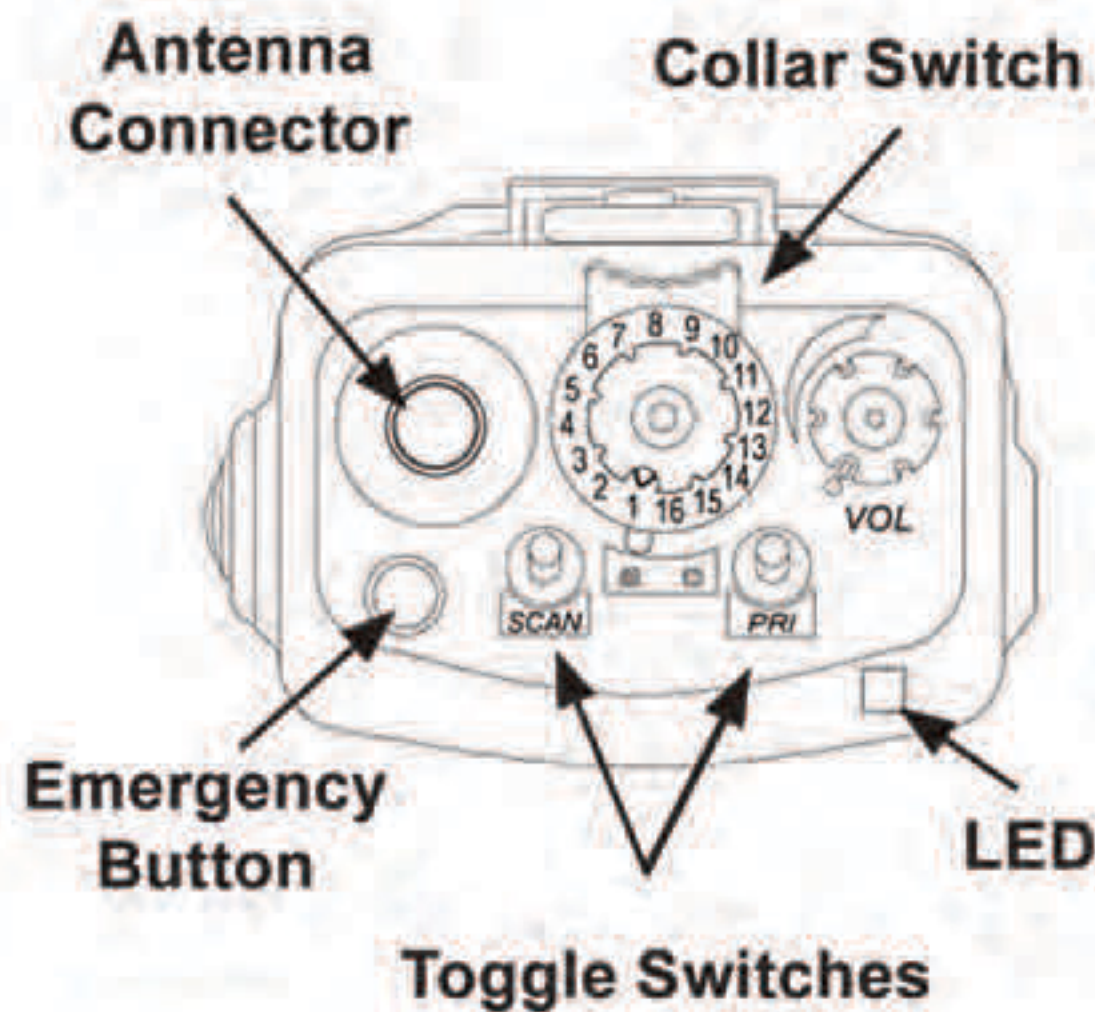
## Transmitter - Minimum Performance Specifications

		700/800	VHF	UHF Range 1	UHF Range 2
Frequency Range/Bandsplits		763-776, 793-806 MHz 806-824,851-870 MHz	136-174 MHz	380-470 MHz	440-520 MHz
Channel Spacing		25/12.5 KHz	30/25/12.5 KHz	25/12.5 KHz	25/12.5 KHz
Max Frequency Separation		Full Band	Full Band	Full Band	Full Band
Rated RF Output Power		1- 3 Watts	1- 6 Watts	1- 5 Watts	1- 5 Watts
Frequency Stability (-30°C to +60°C, +25°C Reference)		$\pm 0.00005\%$	$\pm 0.00005\%$	$\pm 0.00005\%$	$\pm 0.00005\%$
Modulation Limiting		$\pm 5/4/2.5$ KHz	$\pm 5/2.5$ KHz	$\pm 5/2.5$ KHz	$\pm 5/2.5$ KHz
Emissions (Conducted and Radiated)		$\geq 75$ DB	$\geq 75$ DB	$\geq 75$ DB	$\geq 75$ DB
Audio Response		+1,-3 dB	+1,-3 dB	+1,-3 dB	+1,-3 dB
FM Hum and Noise	25 KHz	$\geq 49$ dB	$\geq 50$ dB	$\geq 50$ dB	$\geq 50$ dB
	12,5 KHz	$\geq 43$ dB	$\geq 44$ dB	$\geq 44$ dB	$\geq 44$ dB
Audio Distortion		1.25%	1.25%	1.25%	1.25%

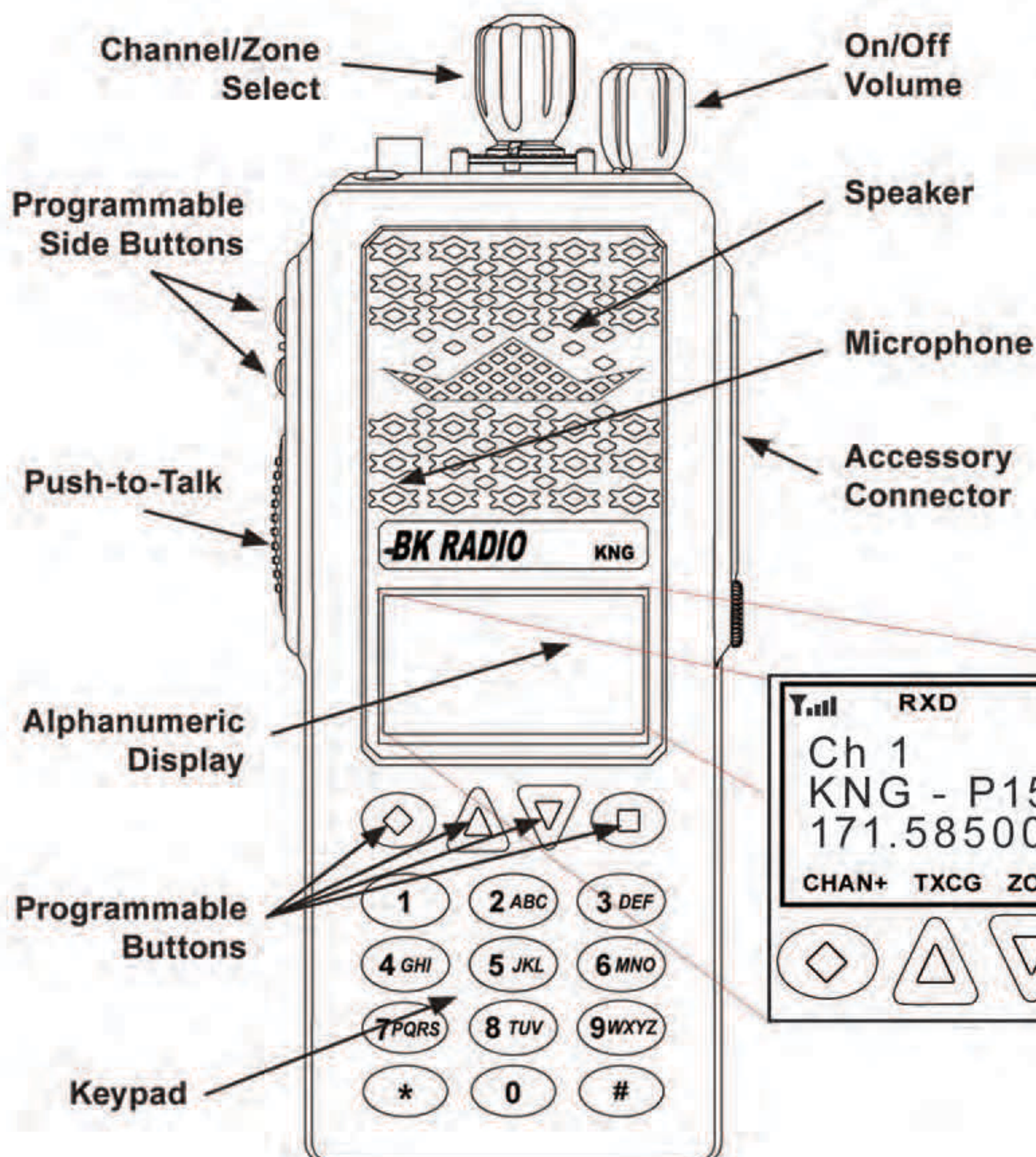
## KNG Series Batteries

Battery Capacity/Type	Dimensions (HxWxD)	Part Number	Capacity
Li-Ion Smart 1950 mAh	5.2 x 2.3 x 0.68	KAA0100	1950 mAh- Up to 12 Hours
Li-Ion Smart 3600 mAh	5.2 x 2.3 x 0.88	KAA0101	3600 mAh- Up to 22 Hours
Li-Ion Smart 1950 mAh IS	5.2 x 2.3 x 0.68	KAA0100IS	1950 mAh- Up to 8 Hours
Li-Ion Smart 3600 mAh IS	5.2 x 2.3 x 0.88	KAA0101IS	3600 mAh- Up to 14 Hours
AA Clamshell	5.2 x 2.3 x 0.82	KAA0120	Depends on Alkaline MFG



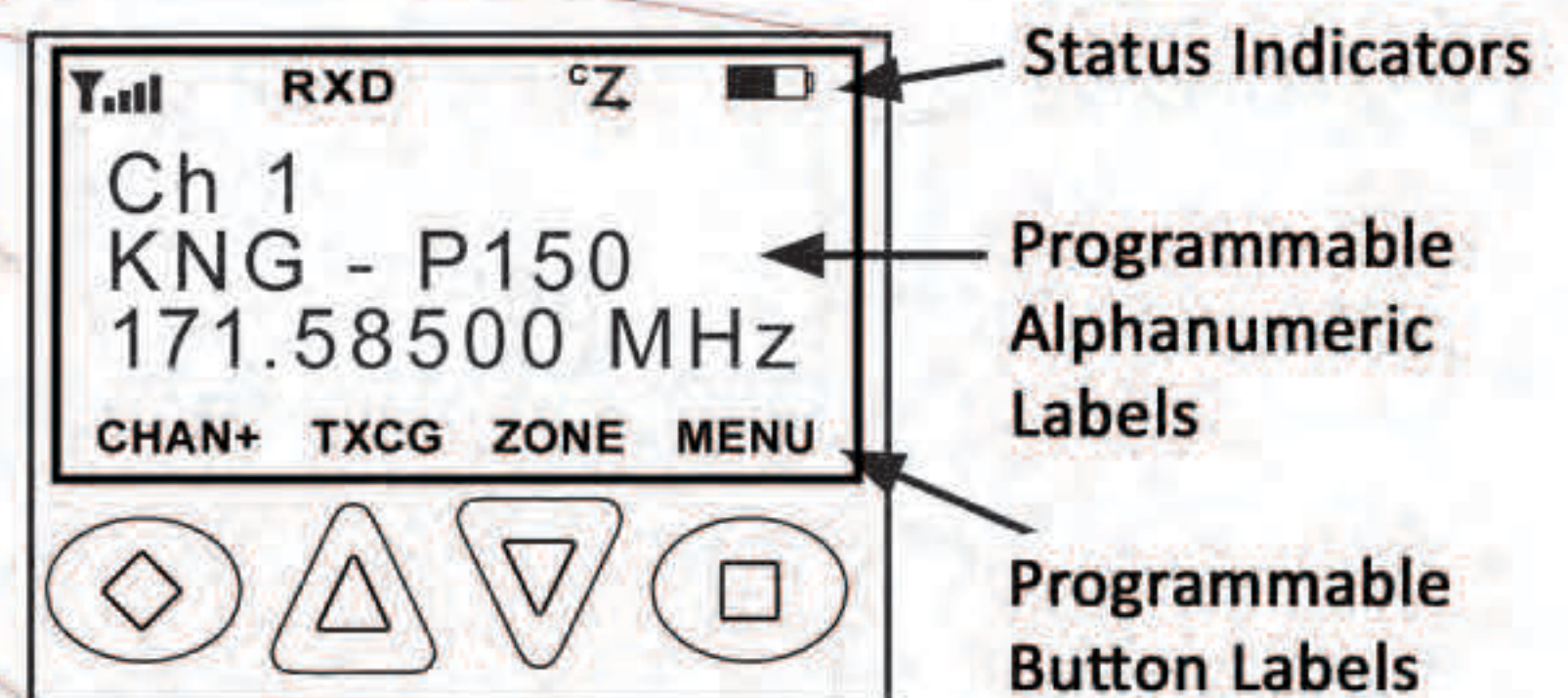
**LED Indicator**

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



The KNG display can be programmed for a variety of options and functionality. Check with your BK Radio dealer or communications officer for information on the programmed functions of your radio.

NOTE: The KNG display can be programmed to display different information when a trunking or conventional channel is selected.





	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.	Method	Proc. /Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	II
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	II
Temperature Shock	503.1	–	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I-D
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I
Rain/Blown Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I
Humidity	507.1	II	507.2	II	507.3	II	507.4	–	507.5	I
Salt Fog	509.1	–	509.2	–	509.3	–	509.4	–	509.5	NA
Dust and Sand	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Immersion	512.1	I	512.2	I	512.3	I	512.4	I	512.5	I
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I
Shock	516.2	I, II	516.3	I, IV	516.4	I/IV	516.5	I, IV	516.6	VI, V

## Encryption

### KNG Portable 5000 Channel Encryption Capabilities

Supported Algorithms	AES-256, AES-128, DES-OFB, DES-CFB, DES-XL, ADP
Algorithm Capacity	Unlimited
Encryption Keys	1024 Storage Location Number (SLN)/Common Key Reference (CKR)
Frame Re-sync Interval	P25 Common Air Interface 300 mS
Keyloading	IAW TIA-102_AACD (KVL-3000/4000)
Synchronization	OFB- Output Feedback or CFB- Cyber Feedback
Vector Generator	National Institutes of Standards
Type	Digital Encryption
Key Storage	Programmable Volatile / Non-Volatile
Key Erasure	Keyboard Command and KMF
Standards	FIPS-140-2 FIPS 197

## Dimensions with Battery

	Inches	Millimeters
Width	2.5	63.5
Depth	1.8	45.7
Height	5.5	139.7
Weight	Pounds	Grams
Weight (w/o battery)	0.6 lb	270 g

## Other Certifications

P25 Compliance Assessment (P25CAP) Performance	Trunked and Conventional Performance Class A
P25 Compliance Assessment (P25CAP) Interoperability	Motorola, Harris, EF Johnson, Airbus, Daniels
Intrinsically Safe	Intrinsically Safe (IS) Class I/II/III, Division 1, Groups D, F, G



# 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



# 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 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			
Narrowband specifications are denoted in parenthesis.				



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# ***KNG ACCESSORY CATALOG***

**February 2018**



## ***BK Technologies Contact Information***

### ***Technical Service***

Technical assistance, Repair, Warranty Service, etc.

(800) 422-6281

[www.bktechnologies.com](http://www.bktechnologies.com)

### ***Sales & Order Entry***

Radio and parts orders, pricing information, sales information, etc.

(800) 821-2900

[sales@bktechnologies.com](mailto:sales@bktechnologies.com)

### ***Corporate***

(800) 648-0947

[www.bktechnologies.com](http://www.bktechnologies.com)



## KNG/KNG2 SERIES PORTABLES




Batteries, Battery Eliminator, & Test/Service Adapter Kit

PART NUMBER	DESCRIPTION	IMAGE
KAA0100	Li-Ion Battery 2270 mAH	 A black, rectangular Li-Ion battery with a textured surface. It has a small label on the front and four gold-colored contacts at the bottom.
KAA0101	Li-ion Battery 3600 mAH	 Three black, rectangular Li-ion batteries are shown. One is standing upright, showing its side profile. The other two are lying flat, showing the front and back faces. They have a textured surface and four gold-colored contacts at the bottom.
KAA0103	Li-Ion Smart "Intelligent" Battery 2300 mAH. Compatible with KNG Standard and Smart Chargers. Same size as KAA0100	 A black, rectangular Li-Ion Smart battery with a textured surface. It has a small label on the front and four gold-colored contacts at the bottom.

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0100IS	<p>Li-Ion Battery 2270 mAH - Intrinsically Safe.</p> <p><b>IMPORTANT NOTICE:</b> The KNG-P radio must have KZA0558 Intrinsically Safe factory installed option to use the KAA0101IS Intrinsically Safe battery</p>	
KAA0101IS	<p>Li-Ion Battery 3600 mAH - Intrinsically Safe.</p> <p><b>IMPORTANT NOTICE:</b> The KNG-P radio must have KZA0558 Intrinsically Safe factory installed option to use the KAA0101IS Intrinsically Safe battery</p>	
KAA0120	AA Clam Shell Battery Case Orange	
KAA0111	Battery Eliminator for KNG2 & KNG-P Portables	
KAA0608	Side Port interface Test/Service Adapter for use with IFR/Other Radio Test sets for KNG-P/KNG2 Portables	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0608A	Side Port interface Test/Service Adapter for use with the Aeroflex (Cobham) 3920 Digital Radio Test Set for KNG-P/KNG2 Portables	
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## Antennas and Mounts

PART NUMBER	DESCRIPTION	IMAGE
MAGMT-SMA	Magnetic Mount Base w/17 ft. Cable & SMA male connector	
MWV1360S	VHF Mobile Antenna, (136-174 MHz) 38 MHz – Full Band Unity Gain, 21" whip length, no cutting required, for NMO style vehicular mount	
MWU4002S	UHF Mobile Antenna, 380-470 MHz, for NMO style vehicular mount	
MWV800	Mobile Antenna, 763-870 MHz, for NMO style vehicular mount	



## BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0810G2	<p>VHF Antenna, SMA <b>(136-174 MHz)</b> <b>38 MHz - Full Band</b> Heavy Duty Length: 7.25" For use with KNG2-P150, KNG-P150, KNG-P150S, P150CMD (Tier 3 &amp; Tier 2)</p>	
KAA0811C	<p>VHF Antenna, SMA <b>(164-174 MHz)</b> <b>Optimal BW: 10 MHz</b> Standard Duty Stubby Length: 4.3" For use with KNG2-P150, KNG-P150, KNG-P150S, P150CMD (Tier 3 &amp; Tier 2)</p>	
KAA0813	<p>VHF Antenna, SMA Heavy Duty Full-Flex/Full-Whip <b>Length: 17"</b>  <b><u>VHF: 148-174 MHz</u></b> KNG2-P150, KNG2-P150CMD, KNG-P150, KNG-P150S, and P150CMD  Both Tier 3 (Keypad) &amp; Tier 2 (No Keypad) radio models</p>	




## BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0818	<p>VHF Antenna, SMA <b>Operating BW: 136-174 MHz</b> <b>Optimal BW: 160-174 MHz</b> Heavy Duty Semi-Whip <b>Length: 10.75"</b> For use with KNG2-P150, KNG-P150, KNG-P150S, P150CMD (Tier 3 &amp; Tier 2)</p>	
KAA0815	<p>UHF Antenna, SMA <b>(380-470 MHz)</b> Length: 6.25" For use with KNG2-P400, KNG-P400/P400S (Tier 3 &amp; Tier 2)</p>	
KAA0816	<p>UHF Antenna, SMA <b>(450-520 MHz)</b> Length: 6.25" For use with KNG2-P500, KNG-P500 (Tier 3 &amp; Tier 2)</p>	
KAA0826	<p>UHF Antenna, SMA <b>(403-435 MHz)</b> Stubby Length: 3.5" For use with KNG2-P400, KNG-P400/400S (Tier 3 &amp; Tier 2)</p>	

## BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0825	800 MHz Antenna, SMA <b>(764-870 MHz)</b> For use with KNG2-P800, KNG-P800 (Tier 3 & Tier 2)	
KAA0833	800 MHz Antenna, SMA <b>(760-870 MHz)</b> ¼ Wave Stubby For use with KNG2-P800, KNG-P800 (Tier 3 & Tier 2)	

### Chargers

PART NUMBER	DESCRIPTION	IMAGE
KAA0300P	Single Unit Rapid Rate Desktop Charger with charging cups for KNG-P. For use with KAA0100, KAA0103, KAA0101, or KAA0101IS Li-Ion Batteries	
KAA0301P	6-Bay Rapid Rate Desktop Charger with charging cups for KNG-P. For use with KAA0100, KAA0103, KAA0101, or KAA0101IS Li-Ion Batteries	
KAA0601P	Mounting Bracket, Vehicular, for KAA0301P	




# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0602P	Cable Kit, Fused, 10ft hard-wire for KAA0301P	
KAA0355	<p>Vehicular Charger (Heavy Duty) (includes KAA0602P Hard-wire Installation kit &amp; Vehicular Charging Adapter)</p> <p><b>NOTE: Charges a KNG2 or KNG-P portable with a KAA0100/KAA0103 attached or a KAA0101 only (not attached to radio)</b></p>	
KAA0355P	<p>Vehicular Charger (Standard Duty) (includes KAA0602P Hard-wire Installation kit &amp; Vehicular Charging Adapter)</p> <p><b>For use with KAA0100, KAA0103, KAA0101, or KAA0101IS Li-Ion Batteries</b></p>	
KAA0303-1	<p>Single Bay Smart Charger. Multi-chemistry capable: NiCad, NiMH, Li-Ion and Li-Po Adaptive reconditioning capability. Display Showing Battery's Charge or Life Condition Wide Range Power Input: AC Input (110 –240V AC) or DC Input (14 – 24v DC) Charges both Smart &amp; Standard KNG Batteries</p> <p><b>NOTE: Charges a KNG2 or KNG-P portable with a KAA0100/KAA0103 attached or a KAA0101 only (not attached to radio)</b></p>	



## BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0303-6	<p>6-Bay Smart Charger. Multi-chemistry capable: NiCad, NiMH, Li-Ion and Li-Po Adaptive Reconditioning Capability Display Showing Battery's Charge or Life Condition Wide Range Power Input: AC Input (110 –240V AC) or DC input (14 – 24v DC) Charges both Smart &amp; Standard KNG Batteries</p> <p><b>NOTE: Charges a KNG-P portable with a KAA0100/KAA0103 attached or a KAA0101 only (not attached to radio)</b></p>	
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### Belt Clip & Carrying Cases

PART NUMBER	DESCRIPTION	IMAGE
KAA0400	<p>Belt Clip Included with each KNG-P/KNG2</p>	<p>KNG Portable Series Belt Clip</p> 
KAA0402	<p>Belt Loop, 2.5", w/Snap Replacement Belt loop for KAA0422 Leather Case</p>	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0413	<p>Leather Shoulder Strap with clips (adjustable) For use with KAA0415 or KAA0415CF Leather Cases</p>	
KAA0413T	<p>Leather Tether with clips (highlighted in yellow) For use with KAA0415 or KAA0415CF Leather Cases NOTE: Leather Case and Shoulder Strap not included</p>	
KAA0415	<p>Case Leather, Flap Cover w/snap button, Thru-Belt Loop, No keypad access, Rear D-Rings (2), Black (for use with KAA0100, KAA0101 batteries or KAA0120 clamshell)</p>	
KAA0415CF	<p>Case Leather, Open front for keypad access, No Flap Cover, Thru-Belt Loop, Rear D-Rings (2), Black (for use with KAA0100, KAA0101 batteries or KAA0120 clamshell)</p>	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0421	Leather Case with detachable swivel Belt Loop <b>(for KAA0100 battery only)</b>	
KAA0422	Large Leather Case with detachable swivel Belt Loop (for KAA0100, KAA0101 batteries or KAA0120 clamshell) Color: Black	
KAA0422C	Large Leather Case with detachable swivel Belt Loop (for KAA0100, KAA0101 or KAA0120) <b>Special National Park Service</b> Color: Cordovan	
KAA0447	Chest Carrying Pack Color: <b>Orange</b> (Black color Pack picture shown)	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0447A	Chest Carrying Pack Color: Black	
KAA0448	Chest Carrying Pack Accommodates GPH, DPHX, and KNG-P/KNG2 Series radios. Slim line design Lightweight Velcro fasteners Color: Black	
KAA0450T	Case Nylon Holster w/ Belt Loop Color: Tan For KAA0100, KAA0101 Li-Ion batteries and KAA0120 Clamshell	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0451B	Case Nylon Full Case W/ Belt Clip Color: Black For KAA0100, KAA0101 Li-Ion batteries and KAA0120 Clamshell	
KAA0455	KNG Carrying Case Nylon Color: Camouflage <b>For use with KNG-P portable and KAA0100 Battery only</b>	
RDRCC	12 Cavity Carrying Case Color: Black	



# BK RADIO KNG SERIES ACCESSORY CATALOG




## Speaker Microphones, Interface Adapters, & Earphones

PART NUMBER	DESCRIPTION	IMAGE
KAA0204-35	<p>Heavy Duty, IP68 Submersible KNG-P/KNG2 Speaker Microphone w/Standard 3.5mm audio jack. Does <b>not</b> have a Hi/Lo Volume Control or Red Emergency button.</p> <p>For Listen only earphones use the KAA0221OTE or KAA0222EH</p>	
KAA0204-E35	<p>Heavy Duty, IP68 Submersible KNG-P/KNG2 Speaker Microphone w/Standard 3.5mm audio jack. Does <b>not</b> have a Hi/Lo Volume Control. <b>Includes Red Emergency button</b></p> <p>For Listen only earphones use the KAA0221OTE or KAA0222EH</p>	
KAA204-VCE35	<p>Heavy Duty, IP68 Submersible KNG-P/KNG2 Speaker Microphone w/Standard 3.5mm audio jack. <b>Includes Hi/Lo Volume Control &amp; Red Emergency button.</b></p> <p>For Listen only earphones use the KAA0221OTE or KAA0222EH</p>	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0210NC	<p>Speaker Microphone, <b>Noise Cancelling</b>, IP67 Submersible w/standard 3.5mm audio jack, High/Low Audio switch, and Emergency Button.</p>	
KAA0203EA	<p>IP67 Submersible KNG Speaker Microphone w/threaded 3.5mm audio jack, Emergency button, and SMA antenna port. Interfaces directly to Side port adapter of the KNG-P/KNG2 Series portables and the SMA antenna port on the radio.</p> <p><b>Antenna not included. A VHF, UHF, or 800 MHz Antenna must be ordered separately.</b></p> <p>For Listen Only earphone use the KAA0221-203 3.5mm threaded plug earphone option</p>	
KAA0203E-GPS	<p>IP67 Submersible KNG Speaker Microphone w/threaded 3.5mm audio jack, Emergency button, &amp; built-in GPS Receiver.</p> <p><b>For KNG-Pxxx Series only</b></p> <p>For Listen Only earphone use the KAA0221-203 3.5mm threaded plug earphone option</p>	
KAA0206	<p>IP68 Submersible Speaker Microphone (IP68: immersion rated to one meter of water for 31 minutes). Functions for more than five minutes at 500°F (260°C). New clip design with increased clamping force and metal loop. Removable grill with replaceable debris screen. Large PTT for use with gloves. Emergency Button.</p> <p>For KNG-P/KNG2 Series portable radios</p>	

## BK RADIO KNG SERIES ACCESSORY CATALOG





KAA0221OTE	<p>Listen Only Earphone w/black ear muff (w/3.5mm right angle plug)</p> <p>For use only with the KAA0204-35, KAA0204-E35, or KAA0204-VCE35 microphones</p>	
KAA0222EH	<p>Listen Only Earphone w/Ear Hugger style earphone (w/3.5mm right angle plug)</p> <p>For use only with the KAA0204-35, KAA0204-E35, or KAA0204-VCE35 microphones</p>	
KAA0221-203	<p>Listen Only Earphone w/Ear Hugger style earphone (3.5m <b>threaded</b> audio plug)</p> <p>For use only with the KAA0203EA or KAA0203E- GPS speaker microphones</p>	




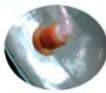

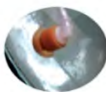
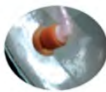
# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0223	<p>Heavy Duty Noise Canceling Earphone with Boom Microphone <b>(Over the Head)</b></p> <p>NOTE: Includes KNG-P/KNG2 side-port adapter for mounting directly to KNG-P/KNG2</p>	
KAA0228	<p>Heavy Duty Noise Canceling Earphone with Boom Microphone <b>(Behind the Head)</b></p> <p>NOTE: Includes KNG-P/KNG2 side-port cable interface adapter for mounting directly to KNG-P/KNG2</p>	
KAA0225	<p>Two Wire Surveillance Microphone The PPT button and mic are both part of a single unit (clip on lapel style)</p> <p>NOTE: Includes KNG-P/KNG2 side-port adapter for mounting directly to KNG-P/KNG2</p>	


# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0226	<p>Three Wire Surveillance Microphone (Includes KAA0226A and KAA0226M earphone).</p> <p><b>One of the following PTT options must be ordered with each KAA0226:</b>            KAA0226B/Barrel PTT Button            KAA026F/Flat PTT Button            KAA0226R/Ring PTT Button            KAA0226BL/Large PTT Button</p> <p>NOTE: Includes KNG-P/KNG2 side-port adapter for mounting directly to KNG-P/KNG2</p>	
<p><b>NOTE - Options for KAA0226:</b>  <i><b>One of the following PTT options must be ordered with each KAA0226:</b>  <b>KAA0226B, KAA0226F, or KAA0226R</b></i>  <b>You can order any of the replacement earphone options separately:</b>  <b>KAA0226A or KAA0226EL/EM/ES/ER/ET</b></p>		
KAA0226B	Barrel PPT Button with 2.5mm plug	
KAA0226F	Flat PPT Button With 2.5mm plug	
KAA0226R	Ring PPT Button With 2.5mm plug	

## BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0226A	Replacement Acoustic Tube With Clear Ear Tip for KAA0225 & KAA0226	
KAA0226EL	Replacement Large Flexible Ear Insert for KAA0225 & KAA0226	
KAA0226EM	Replacement Medium Flexible Ear Insert for KAA0225 & KAA0226	
KAA0226ES	Replacement Small Flexible Ear Insert for KAA0225 & KAA0226	
KAA0226ET	Replacement Standard Flexible Ear Insert for KAA0225 & KAA0226	



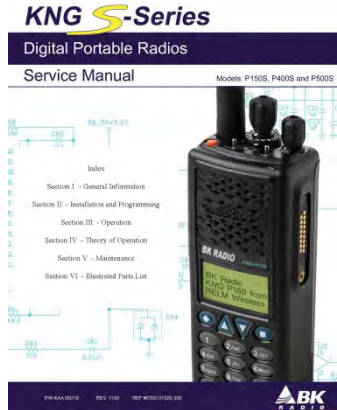
### Programming Equipment

PART NUMBER	DESCRIPTION	IMAGE
PCUSBDB9	DB-9 Serial to USB adaptor	


# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0587A	Key Loader interface cable assembly for the KNG-P, KNG2, KNG-M, KNG-TMR, & KNG-B for Motorola KVL3000/3000+/4000 Keyloaders	
KAA0700	KNG-P/KNG2 to KNG-P/KNG2 Portable Radio Cloning Cable	
KAA0701	Legacy-KNG & KNG-KNG Cloning Cable - Portable and Mobile	
KAA0710	KNG-P/KNG2/KNG-M/KNG-B/KNG-TMR Programming Cable	





# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0730	KNG-PxxxS Portable Series Software Editor (for 512 Channel radios)	
KAA0733	RES (Radio Editing Software) For programming the KNG-P/KNG2-P/KNG-M/ KNG-B/KNG-TMR (for all 5000 Channel radios) <b>includes P25 Trunking editor</b> <b>{Replaces KAA0732 –</b> <b>NeoVision software}</b>	
KAA0001	KNG-P (5000 Channel) Portable Radio Service Manual - Printed Copy	
KAA0001CD	KNG-P (5000 Channel) Portable Radio Service Manual - CD	No picture available
KAA0001S	KNG-PxxxS (512 Channel) Portable Radio Service Manual - Printed Copy	
KAA0001SCD	KNG-PxxxS (512 Channel) Portable Radio Service Manual - CD	No picture available

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0005	KNG2-Pxxx (5000 Channel) Portable Radio Service Manual – Printed Copy	
KAA0005CD	KNG2-Pxxx (5000 Channel) Portable Radio Service Manual - CD	No picture available

## Service and Miscellaneous Equipment

PART NUMBER	DESCRIPTION	IMAGE
KAA0040	Kit, Knobs, Portable, Channel Selector & Volume, KNG-P/KNG2	
KAA0043	Kit, Battery Latch & Spring, replacement kit for batteries, KNG-P/KNG2	No picture available
KAA0044	Kit, Side Port Cover and Screw, KNG-P/KNG2	
KAA0648	Cable assembly, coiled, un-terminated on one end. Includes the KNG-P side port interface adapter	
KAA0649	Cable assembly, straight, un-terminated on one end. Includes the KNG-P side port interface adapter (8.3' in length)	



# KNG-M SERIES MOBILES



# KNG SERIES BASE STATION



## Antennas & Mounts

PART NUMBER	DESCRIPTION	IMAGE
MAGMT-NTYPE	Magnetic Mount Base w/17 ft. Cable & Type-N male connector	
NMO-NTYPE	NMO Antenna Vehicular Mount w/17 ft. cable & Type-N Male Connector	
MWU4002S	UHF Mobile Antenna, 380-470 MHz, for NMO mount	

# BK RADIO KNG SERIES ACCESSORY CATALOG

MWV1360S	VHF Mobile Antenna, 136-174 MHz, for NMO mount	
MWV800	Mobile Antenna, 763-870 MHz, for NMO mount	
KAA0834	GPS Antenna (Magnetic Mount) w/17 ft. cable & MMXC Male Connector	
KAA0835	Fixed Vehicular Antenna mount - Single combined mount for GPS & NMO, dual coax w/17 ft. cables and w/MMXC male plug connector (GPS) & N-Type male plug connector (Radio)	




## Speakers and Microphones

PART NUMBER	DESCRIPTION	IMAGE
KAA0258	Microphone, Desktop	 A black desktop microphone with a rectangular base and a vertical stand. A coiled cable is attached to the bottom.
KAA0261	External Speaker 20W, 4 Ohm, with Mounting Bracket (included w/each KNG-Mxxx and KNG-MxxxR)	 A black external speaker with a rectangular grille and a mounting bracket. A coiled cable is attached to the side.
KAA0276	Standard Handheld Microphone, KNG-M/B	 A black handheld microphone with a coiled cable and a small display screen on the side.




# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0290	Heavy Duty Handheld Programming Microphone (Smart Mic), KNG-M/B	
KAA0670	<p>Touch Screen Handheld Control Head (HCH) Includes Internal Speaker, Emergency button, soft keys, navigational keys, Volume/Channel up/down, Home button, and Microphone.</p> <p>Requires one of the following Install Kits: KAA0639: Install Kit (Trunk Mount) OR KAA0639C: Install Kit (In-Cab)</p> <p>Note: The KAA0639 Install Kit Trunk Mount version also requires one of the following remote control mount cables: KAA0635/8', KAA0636/17', or KAA0637/25'</p>	
KAA07110	KNG-M Series Telephone Handset - Includes: Telephone Handset, Handset Cradle, Mounting Plate, DB25 Mic Interface Cable Assembly and all necessary mounting hardware. Interfaces directly to KNG-M150 or KAA0660. Can also be used with KNG-M150R & KAA0660 combination.	



# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0647	Aux / Speaker Cable Assembly (included with each KNG-M)	
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## Programming Equipment

PART NUMBER	DESCRIPTION	IMAGE
PCUSBDB9	DB-9 Serial to USB adapter	
KAA0587A	Key Loader interface cable assembly for the KNG-P, KNG2-P, KNG-M, & KNG-B for Motorola KVL3000/3000+/4000 Key Loaders	
KAA0701	Legacy / KNG Cloning Cable - Portables and Mobiles	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0710	KNG Programming Cable	
KAA0733	<p>RES (Radio Editing Software) For programming the KNG-P/KNG2-P/KNG-M/ KNG-B/KNG-TMR (for all 5000 Channel radios) <b>includes P25 Trunking editor</b> <b>{Replaces KAA0732 –</b> <b>NeoVision software}</b></p>	

## Installation Kits, Power Supply, Remote Mount Interface cables, Service Kits and Manuals

PART NUMBER	DESCRIPTION	IMAGE
KAA0609	Interface Test/Service Adapter for use with IFR/Other Radio Test sets for KNG-M Mobiles	
KAA0609A	Interface Test/Service Adapter for use with the Aeroflex (Cobham) 3920 Digital Radio Test Set for KNG-M Mobiles	

# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0622	Cable Assembly, Interface, Motorcycle, for Setcom motorcycle product, KNG-M Mobiles	
KAA0630	KNG-M Dash Mount Install Kit, Bracket, Hardware & Power Cord – The KAA0630 is included with each KNG-Mxxx/MxxxR	
KAA0634	30" KNG-M Mobile Remote Mount Interface Cable Assembly (suggested for use as a KNG-M Test Bench cable assembly)	
KAA0635	8 ft. KNG-M Mobile Remote Mount interface Cable Assembly	
KAA0636	17 ft. KNG-M Mobile Remote Mount Interface Cable Assembly	
KAA0637	25 ft. KNG-M Mobile Remote Mount Interface Cable Assembly	



# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0638	KNG-M Remote Mount Install Kit, Bracket, Hardware & Power Cord (The KAA0638 install kit is included with each KAA0660)	
KAA0639	KNG-MxxxR Trunk Mount Installation Kit  When ordering the KAA0670/KAA0639 product, one of the following remote interface cables must also be ordered: KAA0635 (8'), KAA0636 (17'), or KAA0637 (25')	
KAA0639C	KNG-MxxxR In-Cab Mount Installation Kit	
KAA0002-150	KNG-M150 Mobile Radio Service Manual – Printed Copy	
KAA0002-150CD	KNG-M150 Mobile Service Radio Manual - CD	No picture available




# BK RADIO KNG SERIES ACCESSORY CATALOG

KAA0002-400	KNG-M400 Mobile Radio Service Manual – Printed Copy	
KAA0002-400CD	KNG-M400 Mobile Service Radio Manual - CD	No picture available
KAA0002-800	KNG-M800 Mobile Radio Service Manual – Printed Copy	
KAA0002-800CD	KNG-M800 Mobile Service Radio Manual - CD	No picture available
KAA0003	KNG-B Base Station Radio Service Manual – Printed Copy	
KAA0003CD	KNG-B Base Station Radio Service Manual - CD	No picture available





# BK RADIO KNG SERIES ACCESSORY CATALOG

## KAA0660 (RCH) & KAA0670 (HCH) Remote Interface – Desktop Options

PART NUMBER	DESCRIPTION	IMAGE
KAA0628	Cradle, Desktop, HCH/RCH Interface, KNG-GM/B - Desktop docking station for a KAA0670 HCH for remote interfacing to a KNG-M/B. Use with the KAA0659.	 
KAA0659	Splitter, Interface, HCH/RCH, KNG-M/B - Interface up to 4 remote HCH/RCH remote control head connections to a KNG-M/B. Use with the KAA0628. Up to 4 cradle interfaces can be made to one KNG-M/B thru a non-Ethernet/TCP CAT5 cable network.	 





# BK RADIO KNG SERIES ACCESSORY CATALOG

## Remote Control Options (Tone – **Analog** – 2/4 Wires)


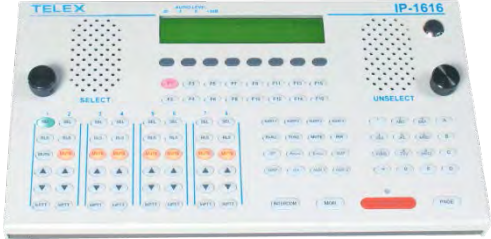

PART NUMBER	DESCRIPTION	IMAGE
LAA2027H	Tone Remote Analog Handset IDA 24-66H	
KZA2027	Factory Install, Analog Tone Remote Termination Panel, IDA. For use with the KNG-B or KNG-Mxxx with KAA0617 Power Supply option. (requires LAA2027PS Programming software & cable)	
LAA2027PS	Programming software & cable (required for programming the KZA2027 Tone Remote)	
KZA2028	Factory Install, Analog Tone Termination Panel, Telex/Vega (Bosch) – DSP-223. For use with the KNG-B or KNG-M (KNG-M with KAA0617 Power Supply option). Programming software & cable included.	

# BK RADIO KNG SERIES ACCESSORY CATALOG

## Remote Control Options (DFSI & IP)

PART NUMBER	DESCRIPTION	IMAGE
KAA0521M	DFSI Interface Option for KNG-Bxxx Base Stations and/or KNG-Mxxx Mobile radios w/KAA0617 Base Station conversion kit option	
TLX-IP-224 V2	IP-224 V2 IP Adapter for KNG-Bxxx Base Stations and KNG-Mxxx Mobile radios	
TLX-IP-224 V2 WOPS PI	IP-224 Adapter w/Factory Installed Options Adapter for KNG-Bxxx Base Stations and KNG-Mxxx Mobile radios	
KAA0621	Interface Adapter Cable for a TLX-IP-224 V2 to KNG-Bxxx or KNG-Mxxx	



# BK RADIO KNG SERIES ACCESSORY CATALOG

TLX-IP-2002-US	IP 2002-US, 2 Line VoIP Console	
TLX-IP-1616-US	IP-1616, 8 Line VoIP Console	
TLX-C-6200-18	C-6200-US, 18 Line VoIP Console - Factory Options	

## BK RADIO KNG SERIES ACCESSORY CATALOG

TLX-MD-MS	MD-MS Desk Microphone	
TLX-DT-GN W/GNM-18	Desk Top Gooseneck Microphone kit	
TLX-DISH-1 Headset	Dispatcher Headset	
TLX-ADHB-4 US	ADHB-4, Advanced Audio Interface	

# BK RADIO KNG SERIES ACCESSORY CATALOG

TLX-C-SOFT7 6L	C-Soft 6-line SOFTWARE v7	
TLX-C-SOFT7 12L	C-Soft 12-line SOFTWARE v7	
TLX-C-SOFT7 24L	C-Soft 24-line SOFTWARE v7	