BKR SERIES:
BKR 9000
MULTI-BAND RADIO

5 YEAR WARRANTY

WE ARE HERO TOUGH.SM

BKR 9000

BK TECHNOLOGIES
bktechnologies.com

DESIGNED TO MEET THE NEEDS OF FIRST RESPONDERS

BK TECHNOLOGIES

BIG BUTTONS
Glove-friendly, oversized control knobs with enhanced tactile feel

INDUSTRY-LEADING RF PERFORMANCE
Transmit and receive signaling with crystal clear, loud sound quality across all bands

Four position, programmable zone switch

OVERSIZED EMERGENCY BUTTON
Ergonomically designed for emergency access

ERGONOMIC SURE GRIP
Textured housing surrounds *BK Hero Armor* ℠

Metal chassis

Durable *Gorilla* ® Glass

Bright, colorful LCD display

Large, tactile PTT

Dual noise-canceling microphones

PROGRAMMABLE BUTTONS
Customizable for mission-critical needs

Backlit, embedded keypad

INDUSTRY-LEADING 3-WATT AUDIO OUTPUT SPEAKER
Improved audio clarity

Ultra-high capacity battery, 4,900 mAh

Exceeds *12 hour talk time (*5/5/90 duty cycle)

BUILT FOR FIRST RESPONDERS

BKR 9000

5-YEAR STANDARD WARRANTY

SINGLE, DUAL, MULTI-BAND OPERATION (VHF, UHF, 700/800 MHz)

P25 CONVENTIONAL AND TRUNKING (PHASE 1 AND 2)

IP 68, MIL SPEC 810 C, D, E, F, G

Wi-Fi, GPS, BLUETOOTH

FIPS 140-2 LEVEL 3 VALIDATED AES ENCRYPTION (WITH OTAR) CAPABLE

USB & FIELD PROGRAMMABLE (UP TO 5,000 CHANNELS)

TIER 1.0
Includes belt clip, one base frequency, Wi-Fi, Bluetooth, GPS, encryption.

TIER 1.5
Adds top display.

TIER 2.5
Adds top display, front display, partial keypad.

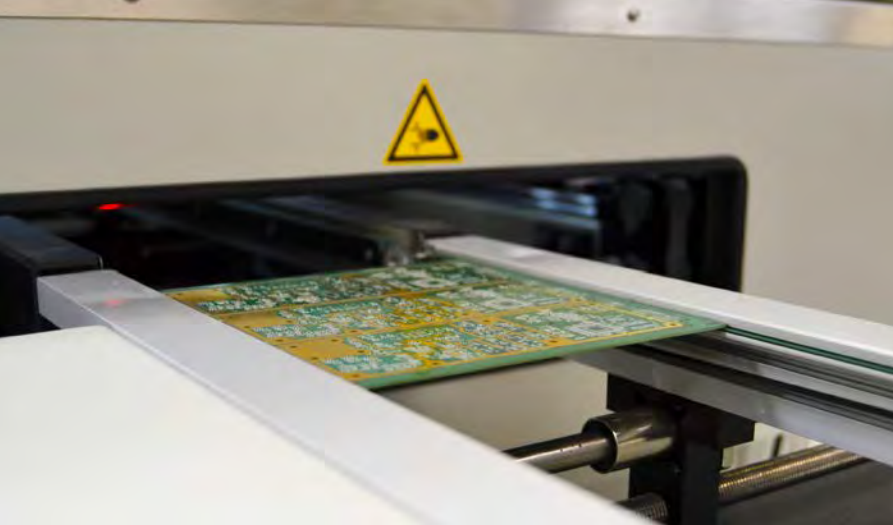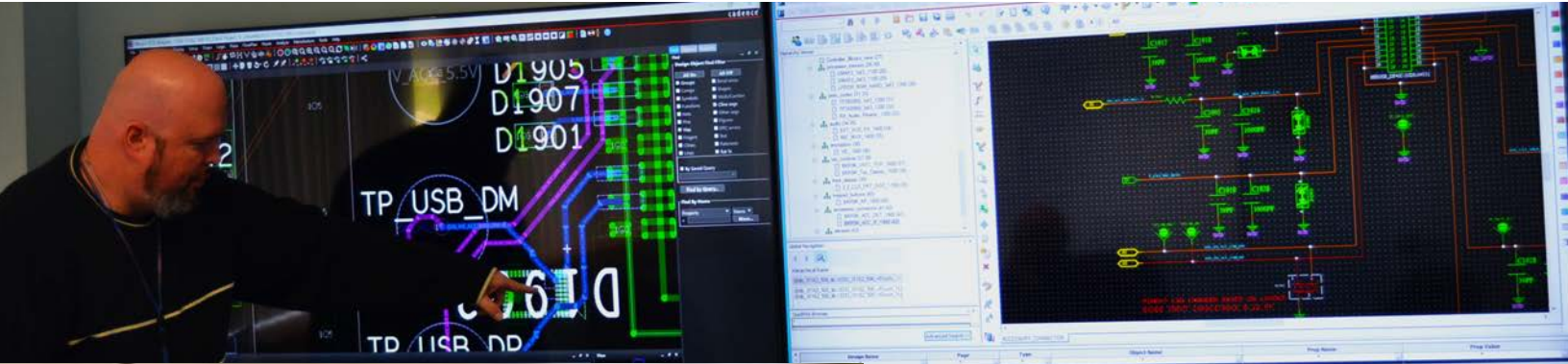## TIER 3.5
Adds top display, front display, full keypad.

(Yellow available in tiers 2.5, 3.5)

MISSION-CRITICAL READY

BK
TECHNOLOGIES
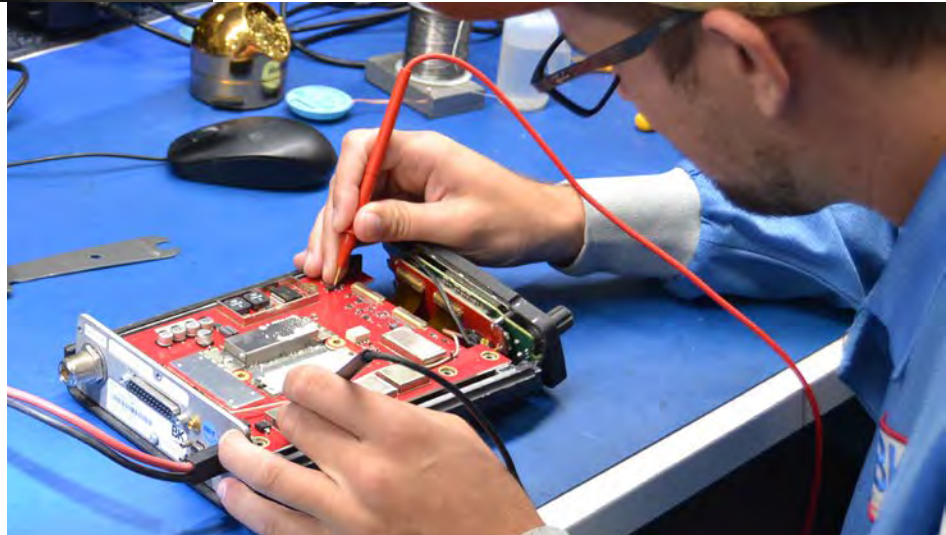
DESIGNED IN AMERICA

MANUFACTURED
IN AMERICA

PROUDLY MADE IN THE USA
MADE IN
USA
WEST MELBOURNE, FLORIDA

SERVICED
IN AMERICA

BK
TECHNOLOGIES

▶ BKR 9000

BKTechnologies.com
1-800-821-2900

7100 Technology Drive
West Melbourne, FL 32904

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BKR 5000 PORTABLE RADIO

CHANNEL/ZONE SELECT

POWER/VOLUME

LCD TOP DISPLAY

SPEAKER

PROGRAMMABLE ALPHANUMERIC LABELS

PROGRAMMABLE BUTTONS

BKR 5000

WE BUILD TECHNOLOGY FOR HEROES

BK TECHNOLOGIES

BKR 5000 - PORTABLE RADIO

The BKR 5000 Portable Radio offers exceptional performance in a lightweight form. With our 70 years of reliability, BK Technologies is honored to serve our everyday heroes with a device that brings dependability when every moment counts.

KEY FEATURES

- Single-Band Configuration
- 5000 MAH LI Smart Battery
- Single Unit Smart Charger
- P25 Conventional
- P25 Phase 1 & 2 Trunking
- Simulcast Operation
- DES & AES Encryption
- Integrated GPS/Location Services
- Meets MIL SPEC 810 G & IP68 Specifications
- Advanced System Key

OVERSIZED KNOBS FOR GLOVED HANDS

LCD TOP DISPLAY

BKR 5000

- Enhanced Noise Cancellation
- Loud, Crisp Audio
- USB PC Programmable
- Ruggedized Design with Large, Enhanced, Gorilla Glass Color Display
- Radio Authentication (LLA)

BKR 5000 P25 Portable Radio Specification Sheet

Public Safety Communications

The **BKR** Series Portable Radio offers exceptional performance in a lightweight form factor, incorporating industry-leading RF and electrical specifications in a rugged, submersible housing.

- ✓ Large, Bright, Color Display and Top Display
- ✓ Enhanced Noise Cancellation
- ✓ 3 Programmable Side Buttons
- ✓ Loud, Crisp Audio
- ✓ P25 Trunking Option
- ✓ OTAP, OTAR
- ✓ TDMA Phase II
- ✓ IP68 Water and Dust Protection
- ✓ Internal GPS and Bluetooth Hardware
- ✓ USB PC Programmable
- ✓ AES256, AES128, DES-OFB/CFB
- ✓ MIL-STD 810 C/D/E/F/G
- ✓ Advanced System Key

BKR 5000 P25 Portable Radio

Color Display	6-line display 3 customizable display lines of 16 characters 2 lines of status icons 1 line of soft-keys
Keypad	Back-lit with 4 customizable soft-keys
Channel Capacity Memory	5000
VHF	BKR 5000
Buttons and Switches	Oversized PTT, On/Off Volume control, orange emergency button, 16 position rotary switch, 4 positions concentric zone switch, 3 programmable side buttons, programmable collar switch

Transmitter Certifications

VHF (FCC/IC)	FCC ID: K95BKR5000-V, IC ID: 2116A-BKR5000V

FCC Emission Designators

FCC Emission Designators	11K0F3E, 8K10F1D, 8K10F1E, 8K10F1W

Power Supply

Power Supply	Rechargeable Li-Ion or AA-Alkaline Battery Pack

Some Key Benefits

➤ Exceptional Battery Life
Up to 12 hours with standard capacity.

➤ Enhanced Voice Quality
The BKR Series radio uses the Third Generation Enhanced IMBE P25 dual-rate Vocoder (AMBE+2 VI.80) for robust performance in noisy environments.

➤ 6 Line Display
2 Status Icons, 3 customizable display lines of 16 characters, and 1 line of soft-keys.

➤ Environmental Reliability
Designed and tested to MIL-STD-810 and IP-68 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.

➤ Internal Bluetooth Hardware
BK Technologies Bluetooth is a standard feature for wireless accessory connectivity.

➤ Integrated GPS/Location Services
P25 Location Services per TIA-102-BAJB are supported, Tier I Conventional, Tier II Trunking.

➤ Scan Modes
Dual priority scan, trunked priority scan, dual-mode scan, channel, zone and vote scan.

➤ Encryption
The BKR Series radios support AES256, AES128, DES-OFB/CFB encryption and is compatible with Motorola's ADP.

➤ Multi-key/Multi-Algorithm
Multi-Key/Multi-Algorithm Encryption.

➤ OTAR Project 25 Over-the-Air Rekey
Allows the encryption key to be changed wirelessly on P25 conventional and P25 trunking systems.

➤ Encryption Key Fill
TIA-102AACD compliant and interoperable with commercially available key fill devices.

➤ P25 9600 Baud Trunking
The BKR Series radio operates on 9600 baud P25 Compliant Trunking Systems and has been P25 Compliance Assessment Program (P25CAP) tested and proven interoperable.

➤ OTAP
BKR Series radios support Over-the-Air Programming (OTAP) for operational efficiency.

➤ TDMA Phase 2 Trunking
BKR Series VHF is P25 Phase 2 (TDMA) capable supporting double the voice capacity of Phase 1 trunking systems.

➤ Radio Authentication
P25 Radio Authentication per TIA-102-AACE-A is supported.

Portable Radio Features

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

➤ BKR0582   OTAP, Trunking

➤ BKR0570   OTAR (Trunking & Conventional)

➤ BKR0579   P25 FDMA Trunking

➤ BKR0593   P25 TDMA Trunking

➤ BKR5780   Radio Authentication

➤ BKR0574   DES & AES Encryption

➤ BKR0581   Multi-cast Vote Scan Plus

Receiver Minimum Performance Specifications

		VHF
Frequency Range		136-174 MHz
Channel Spacing		25/12.5 kHz
Max Frequency Separation		Full Band
Rated Audio Output Power		3 Watts
Analog Sensitivity	12dB SINAD	0.2 µV / -121.0 dBm
Digital Sensitivity	1%BER	0.277 µV / -118.15 dBm
	5%BER	0.2 µV / -121.0 dBm
Selectivity	25 kHz	≥80 dB
	12.5 kHz	≥70 dB
Intermodulation		≥78 dB
Spurious Rejection		≥80 dB
FM Hum and Noise	25 kHz	≥50 dB
	12.5 kHz	≥44 dB
Audio Distortion		2%

Transmitter Minimum Performance Specifications

		VHF
Frequency Range		136-174 MHz
Channel Spacing		25/12.5 kHz
Max Frequency Separation		Full Band
Rated RF Output Power		1- 6 Watts
Frequency Stability (-30°C to +60°C, +25°C Reference}		± 1 ppm
Modulation Limiting		± 5/2.5 kHz
Emissions (Conducted and Radiated}		≥75 dB
Audio Response		+1, -3 dB
FM Hum and Noise	25 kHz	≥50 dB
	12.5 kHz	≥44 dB
Audio Distortion		3%

BKR Series Batteries

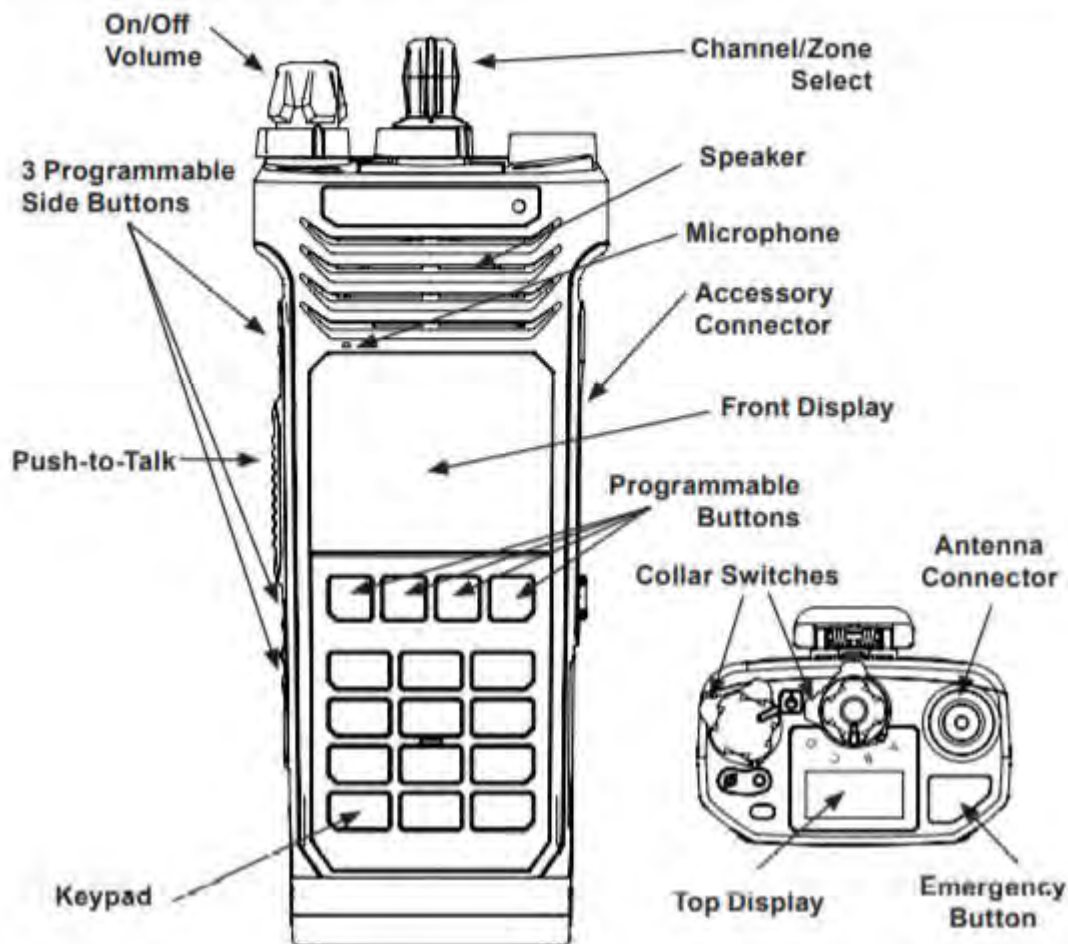| Battery Capacity/Type	Dimensions (HxWxD}	Part Number	Capacity
Li-Ion Smart 4900 mAh	3.0 x 2.3 x 1.8	BKR0101	4900 mAh > 12 Hours
AA Clamshell	5.2 x 2.3 x 2.2	BKR0120	12 cells > 12 Hours

Removing the Battery
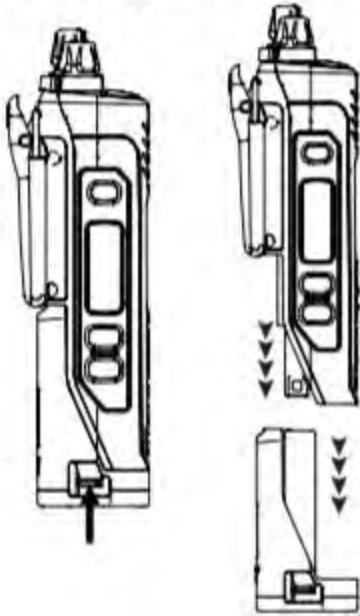
1. Push in the release tabs on each side of the battery.
2. Pull the battery downwards away from the radio.

NOTE: All information programmed into the radio is maintained even when the battery pack is removed.

The **BKR 5000** display can be programmed for a variety of options and functionality. Check with your Sales Representative or Communications Officer for information on the programmed functions of your radio.

NOTE: The **BKR 5000** display can be programmed to display different information when a trunking or conventional channel is selected.

Radio Controls

Labels:
- On/Off Volume
- Channel/Zone Select
- 3 Programmable Side Buttons
- Speaker
- Microphone
- Accessory Connector
- Front Display
- Push-to-Talk
- Programmable Buttons
- Collar Switches
- Antenna Connector
- Keypad
- Top Display
- Emergency Button

BKR 5000 Portable Military Standards C,D,E, F, & G

	MIL-STD 810G	
	Method	**Proc. / Cat .**
Low Pressure	500.5	I, II
High temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	1-D
Contamination by Fluids	504.1	II
Solar Radiation	505.5	I
Rain/Blown Rain	506.5	I
Humidity	507.5	II
Salt Fog	509.5	I
Dust and Sand	510.5	I, II
Immersion	512.5	I
Vibration	514.6	I/4
Shock	516.6	I, IV, VI

Encryption

BKR 5000 Portable 5000 Channel Encryption Capabilities

Supported Algorithms	AES-256, AES-128, DES-OFB, DES-CFB, ADP
Encryption Keys	1024 Storage Location Number (SLN}/ Common Key Reference (CKR)
Frame Re-sync Interval	P25 Common Air Interface 360 mS
Keyloading	IAW TIA-102_AACD (KVL-3000/ 4000}
Synchronization	OFB- Output Feedback or CFB- Cyber Feedback
Type	Digital Encryption
Key Storage	Programmable Volatile / Non-Volatile
Key Erasure	Keyboard Command and KMF
Standards	FIPS 197

Dimensions with Battery

	Inches	**Millimeters**
Width	2.3	59.6
Depth	1.8	45.7
Height	6.5	166.2
Weight	**Pounds**	**Grams**
Weight (with battery)	1.34 lbs	608g
Weight (w/o battery)	0.89 lb	404g

Other Certifications

P25 Compliance Assessment (P25CAP) Performance	Trunked and Conventional Performance Class A
P25 Compliance Assessment (P25CAP) Interoperability	Motorola, L3Harris, Tait/Zetron

KNG/BKR SERIES PORTABLE RADIO STANDARD FEATURES

STANDARD FEATURES	KNG2 PORTABLE	BKR-5000
Conventional Analog	✓	✓
APCO P25 Digital	✓	✓
5000 Channels	✓	✓
Birdie Free	✓	✓
Alphanumeric Keypad	✓	✓
Tier 2 (No Keypad) Avail.	✓	✓
Programmable Front Buttons	✓	✓
3 Side Programmable Buttons	✓	✓
Priority Scan	✓	✓
Dual Mode Scan	✓	✓
Channel Scan	✓	✓
Group Scan	✓	✓
Emergency Signaling	✓	✓
MIL-SPEC C/D/E/F/G	✓	✓
USB Programmable	✓	✓
Talk Around	✓	✓
Text Messaging	✓	✓
Color LCD Display	✓	✓
Dual Microphones	✓	✓
Noise Cancellation	✓	✓
OTAP	✓	✓
OTAR	✓	✓
Phase II TDMA	✓	✓
DES/AES Encryption	✓	✓
Multi-cast Vote Scan	✓	✓
P25 Trunking	✓	✓
Radio Authentication	✓	✓
GPS	✓	✓
Bluetooth	✓	✓

KNG/BKR SERIES PORTABLE RADIO OPTIONS

AVAILABLE OPTIONS	KNG2 PORTABLE	BKR-5000
VHF (136-174MHz)	✓	✓
UHF (440-520MHz)	✓	
7/800 (763-870MHz)	✓	
Programmable Toggle Switches	✓	
Top LCD Display		✓
Four Position (A, B, C, D) Switch		✓

KNG P25
MOBILE RADIO

ACCOUNTABILITY • HONOR • INTEGRITY

POWER/VOLUME

CHANNEL/ZONE SELECT

BK RADIO
KNG-M150

P₁   H   ✓

KNG P25 Mobile
P25 Trunking

OK

SEC   TXAD   SCAN   MENU

OK

ALPHANUMERIC
KEYPAD

TOUCH SCREEN DISPLAY

MENU NAVIGATION

KNG P25
MOBILE RADIO

THE **KNG** P25 MOBILE RADIO OFFERS EXCEPTIONAL PERFORMANCE IN A VERSATILE FORM. **BK TECHNOLOGIES** IS HONORED TO SERVE OUR EVERYDAY **HEROES** WITH A DEVICE THAT BRINGS DEPENDABILITY WHEN EVERY MOMENT COUNTS.

KEY FEATURES

- 5000 CHANNELS, DYNAMIC ZONING
- USB OR MOBILE PROGRAMMABILITY
- MIXED-MODE OPERATION
- TALK AROUND
- CHANNEL/PRIORITY/GROUP SCAN
- CUSTOM MENU SYSTEM
- MIL-STD 810 C/D/E/F/G
- TEXT MESSAGING
- ALPHA-NUMERIC TOUCH SCREEN DISPLAY
- 256 PROGRAMMABLE QUICK CALL ID'S
- DVSI AMBE+2 VERSION 1.60 VOCODER
- EMERGENCY SIGNALING

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
- ✔ AES & DES/OFB/CFB
- ✔ MIL-STD 810 C/D/E/F/G
- ✔ Cloning to KNG & Legacy Series

* Subject to future edits   Rev. Apr. 2022 © BK Technologies

	KNG Mobile Radio	KNG Remote Control Head (KAA0660)
Display	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.	
Channel Capacity	5000	5000
Memory	64 MB Volatile 256 MB Non-Volatile (Flash)	64 MB Volatile 256 MB Non-Volatile (Flash)
VHF	KNG-M150	Compatible
UHF Range 1	KNG-M400	Compatible
UHF Range 2	KNG-M500	Compatible
700/800 MHz	KNG-M800	Compatible

Power and Current Drain

Power Supply	13.8 V DC ±20% Negative Ground
Transient Protection	Per EIA-374-A
Standby Current @ 13.8 V	0.15A All models
Receive Current Rated Audio @ 13.8 V	2.5A All Models
Transmit Current @ Rated Power	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
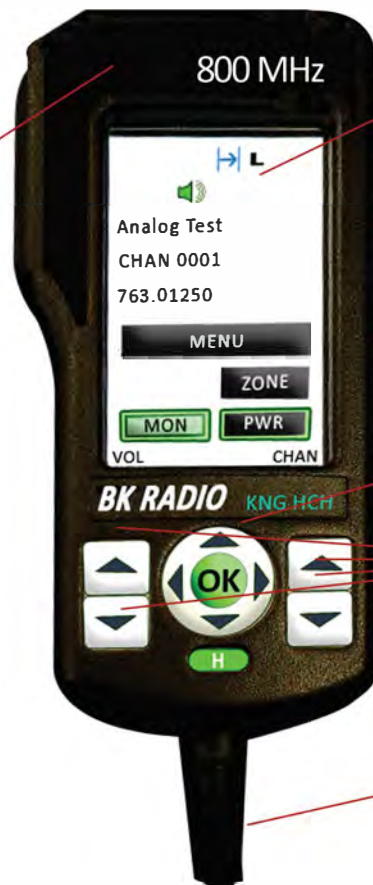
Full Color Touch Screen
5 Lines: 3 Lines text (14 Characters), 2 Lines Icons, programmable touch keys

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 int 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

➤ **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.

➤	KZA0154	Option, High Power, 110W VHF	KAA/KZA0589	GPS Option for KNG Mobiles
➤	KAA0660	Remote Control Head	KAA/KZA0592	Over the Air Programming
➤	KAA0670	Handheld Control Head	KAA/KZA0594	P25 Phase II – 2 Slot TDMA Operation
➤	KAA/KZA0569	P25 9600 Baud Trunking	KAA/KZA0596	P25 Radio Authentication
➤	KZA0576	DES-OFB/DES-CFB AES Encryption	BKR0261	External Speaker 20W, 4 Ohm, w/mnt brckt
➤	KAA/KZA0580	P25 Over the Air Rekeying (OTAR)	KAA0276	Handheld Microphone KNG-M
➤	KAA/KZA0583	Multi-Cast Vote Scan Plus	KAA0290	Handheld Programming Microphone

		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, C$FM, C-QPSK, H-CPM, H-DQPSK

USB Port

(Same size 50 and 110 Watt)

Channel Knob

Volume & On/Off

Vibrant Color TFT Touch Screen Display

Emergency Button

Menu Navigation

WEATHER
MAIN ZONE
162.47500

F1 F2 F3 F4

OK

Home
(Main Menu)

"OK" Selection Button

Microphone Jack

Programmable Side Buttons

Menu Navigation/Select

3 x 4 Alphanumeric Keypad

Push to Talk

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 197

Transmitter Certifications

700/800 MHz (FCC/IC)	K95KNGM800C / 2116A-KNGM800C
VHF (FCC/IC/JF-12/NTIA)	K95KNGM150 / 2116A-KNG-M150 / JF-12-10289 / SPS-18988/1
UHF Range 1 (FCC/IC/JF-12/NTIA)	K95KNGM400 / 2116A-KNG-M400 / JF-12-10289 / SPS-18988/1
UHF Range 2 (FCC/IC)	K95KNGM500 / 2116A-KNG-M500

Other Certifications

P25 Compliance Assessment (P25CAP) Performance	Trunked and Conventional Performance Class A
P25 Compliance Assessment (P25CAP) Interoperability	Motorola, Harris, EF Johnson, Airbus, Daniels

KNG BASE STATION

BK TECHNOLOGIES

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**

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FEATURES

CHANNEL/PRIORITY/GROUP SCAN
FIND AN AVAILABLE CHANNEL FOR COMMUNCIATIONS: SCAN BY CHANNEL, OR SCAN BY GROUPS, ONE AT A TIME.

TOUCH SCREEN DISPLAY
THE FIRST OF ITS KIND, THE KNG DESKTOP BASE STATION'S INNOVATIVE TOUCH SCREEN DISPLAY IS RIGHT AT YOUR FINGERTIPS FOR QUICK ACCESS TO RADIO SETTINGS.

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

1024 PROGRAMMABLE QUICK CALL IDS
CONNECT WITH SELECT RADIO USERS EASILY AND ASAP THROUGH BK TECHNOLOGIES QUICK CALL FUNCTION.

P25 TRUNKING
BK TECHNOLOGIES OFFERS A 9600 BAUD TRUNKING OPTION, WHICH IS COMPATIBLE WITH MANY P25 TRUNKED SYSTEMS.

5000 CHANNELS, DYNAMIC GROUPING
UP TO 5,000 CHANNELS AND CUSTOM-TAILORED USER GROUPS CAN BE PROGRAMMED AND WITH OUR INTUITIVE MENU, MODIFYING SETTINGS IS MADE EASY.

MIXED-MODE OPERATION
WHETHER ANALOG OR DIGITAL, COMMUNICATE EFFORTLESSLY TO EITHER MODE WITH MIXED-MODE FEATURE.

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

KNG-B400 UHF 380-470 MHZ, 50W

KNG-B500 UHF 440-520 MHZ, 50W

KNG-B800 UHF 763-870 MHZ, 30/35W

THE KNG BASE STATION OFFERS NUMEROUS OPTIONS TO MAKE YOUR COMMUNICATIONS RELIABLE AND SECURE. THIS TOUCH SCREEN UNIT IS THE FIRST OF ITS KIND AND CAN BE MODIFIED TO FIT YOUR EVERYDAY NEEDS.

CUSTOM MENU SYSTEM
OUR INTUITIVE MENU GIVES YOU FULL CONTROL OVER YOUR COMMUNICATIONS WITH AN EASY TO NAVIGATE MENU LOADED WITH YOUR PRESELECTED FEATURES AND OPTIONS.

OPTIONS

P25 TRUNKING (KZA0579)

THE KNG 9600 BAUD TRUNKING OPTION GIVES YOU THE ABILITY TO COMMUNICATE WITHOUT HASSLE AND WITHOUT COMPLICATION. COMPATIBLE WITH COMPETITOR TRUNKING SYSTEMS, BK TECHNOLOGIES TRUNKING IS P25 COMPLIANT AND LOADED WITH FEATURES, SUCH AS ENCRYPTION AND MANY UNIT-TO-UNIT SPECIALIZATIONS. BEST OF ALL, YOU GET EASE OF USE. USING OUR INTUITIVE SOFTWARE, MODIFYING YOUR KNG TRUNKING FEATURES WILL BE SIMPLE.

OTAR (KZA0580)

OVER-THE-AIR RE-KEYING IS AN EASY SOLUTION TO EFFICIENTLY CHANGE ENCRYPTIONS KEY. COMPLETED ALMOST EFFORTLESSLY, ENCRYPTION KEYS ARE CHANGED OVER THE AIR WITH THE TOUCH OF A BUTTON.

MULTICAST VOTE SCAN (KZA0581)

MULTICAST VOTE SCAN CAPABLE KNG SERIES RADIOS AUTOMATICALLY SELECT THE BEST SITE TO OPERATE FROM IN A WIDE AREA SYSTEM. CHANNELS IN THE MULTICAST CONVENTIONAL SYSTEM ARE ADDED TO THE SCAN LIST AND DESIGNATED AS "VOTED" CHANNELS. THE KNG RADIO SCANS ALL VOTED CHANNELS AND SELECTS THE CHANNEL WITH THE BEST SIGNAL.

AES/DES ENCRYPTION (KZA0577)

AES AND DES (DIGITAL ENCRYPTION STANDARD) ALLOWS YOU TO COMMUNICATE WITH OTHER RADIOS THAT HAVE THE SPECIFIC KEY PROGRAMMED.

GPS (KAA0589)

KNOW WHERE YOU ARE AT AT ANY GIVEN MOMENT WITH THE BK TECHNOLOGIES GPS OPTION. LONGITUDE AND LATITUDE COORDINATES WILL GIVE YOUR EXACT LOCATION ANYWHERE IN THE WORLD, SAVING VALUABLE TIME WHEN CALLING FOR BACKUP IN EMERGENCY SITUATIONS.

(THIS OPTION MAY BE PURCHASED IN ADDITION TO A KNG SERIES MOBILE)

REMOTE MOUNT (KAA0660)

NO MORE ROOM IN YOUR DASH? OPT FOR THE REMOTE MOUNT KIT. WITH THE REMOTE MOUNT OPTION, YOU GET A FULLY FUNCTIONAL TOUCH SCREEN MOBILE FACE WHICH ALLOWS FOR EASE OF USE WHILE IN THE CAB OF YOUR VEHICLE. THIS KIT COMES COMPLETE WITH MOUNTING HARDWARE AND CABLES.

INTELLIGENT DIGITAL EMERGENCY COMMUNICATIONS

SPECIFCATION	KNG-B150	KNG-B400	KNG-B500	KNG-B800
CHANNELS W/ VARIABLE ZONE SIZE	5000	5000	5000	5000
ZONES (UP TO)	64	64	64	64
FREQUENCY RANGE (MHZ)	136-174	380-470	440-520	763-870
OPERATING VOLTAGE (V NOMINAL)	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND
CHANNEL SPACING (KHZ)	12.5 / 25 KHZ	12.5 / 25 KHZ	12.5 / 25 KHZ	12.5 / 25 KHZ
OPERATING TEMP. (C*)	"-30 TO + 60"	"-30 TO + 60"	"-30 TO + 60"	"-30 TO + 60"
DIMENSIONS (W IN X D IN X H IN)	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"
WEIGHT	22 LBS	22 LBS	22 LBS	22 LBS
CHANNEL INCREMENTS (KHZ)	1.25 / 3.125	1.25 / 3.126	1.25 / 3.127	1.25 / 3.128
RECEIVER				
SENSITIVITY (DBM)	-121	-119	-119	-119
P25 SENSITIBITY (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)	51 (45)	52 (45)	53 (45)
SPURIOUS AND HARMONICS (DB)	75	75	75	75
CURRENT DRAW (A)	20A	10A	10A	10A
EMISSION DESIGNATORS	11K0F3E, 16K0F1E, 8K10F1E, 8K10F1D			
	NARROWBAND SPECIFICATIONS ARE DENOTED IN PARENTHESIS.			

DESKTOP CRADLE CONTROLLER

A *BK SOLUTION* FOR YOUR DISPATCH NEEDS

SPLITTER INTERFACE BOX

This splitter, HCH/RCH, KNG-M/B can 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 through a non Ethernet/TCP CAT5 cable network or 4 pair telephone line.

KNG BASE STATION

The KNG Base Station offers numerous options to make your communications reliable and secure.

Features include:

• P25 Trunking option
• Programmable channel zone & scan
• Scan mode
• Alpha-numeric touch screen display
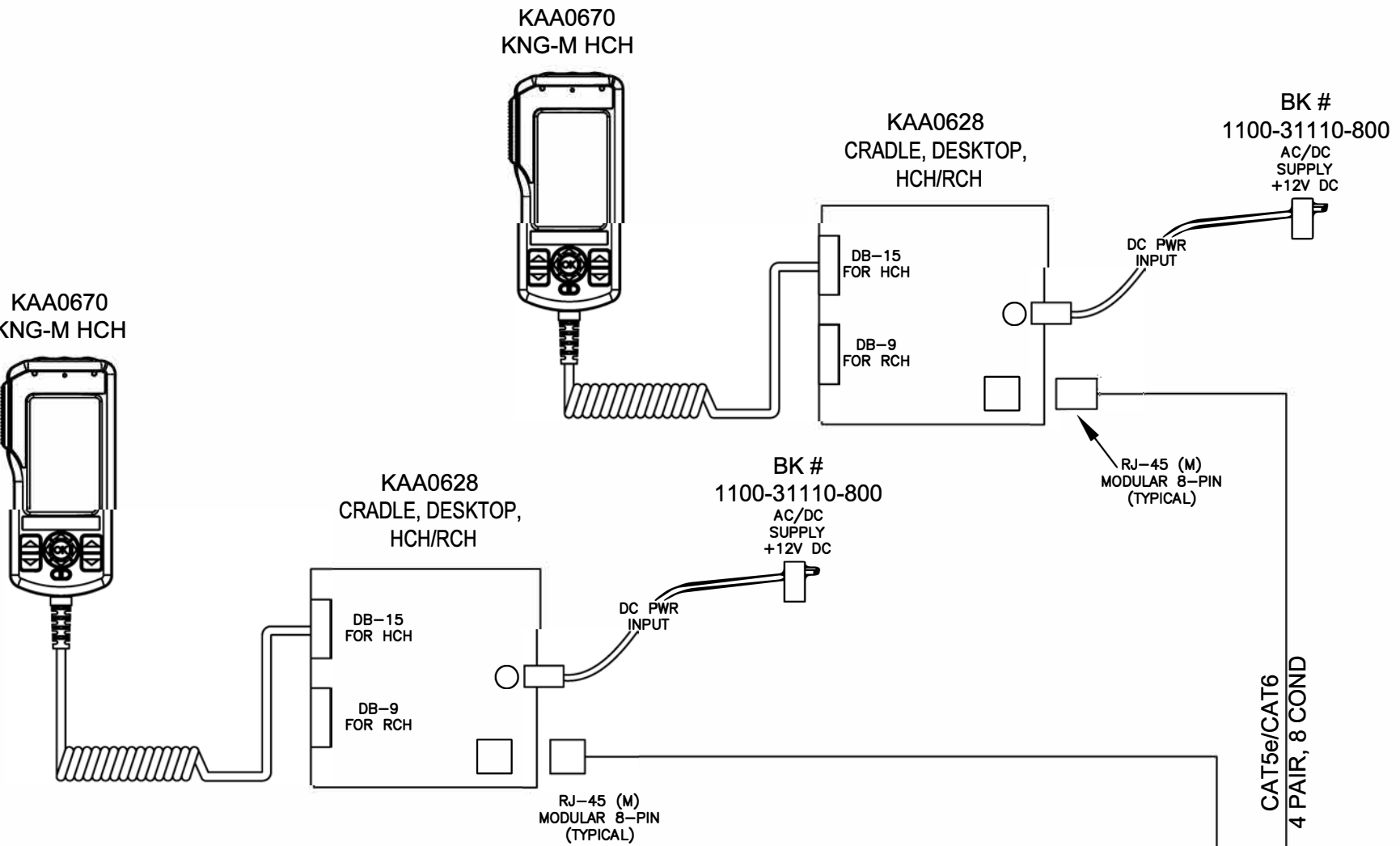
CRADLE

Cradle desktop docking station for a KAA0670 HCH for remote interfacing to a KNG-M/B.
Use with the KAA0659.

HANDHELD CONTROL HEAD (HCH) AND CRADLE

Includes internal speaker, emergency button, soft keys, navigational keys, volume/channel up/down, home button, and microphone.

This can be mounted to a wall in case of emergency siuations such as being in the basement of a dispatch center, needing to communicate with personnel, outside of the building.

KAA0670
KNG-M HCH

KAA0628
CRADLE, DESKTOP,
HCH/RCH

BK #
1100-31110-800
AC/DC
SUPPLY
+12V DC

DB-15
FOR HCH
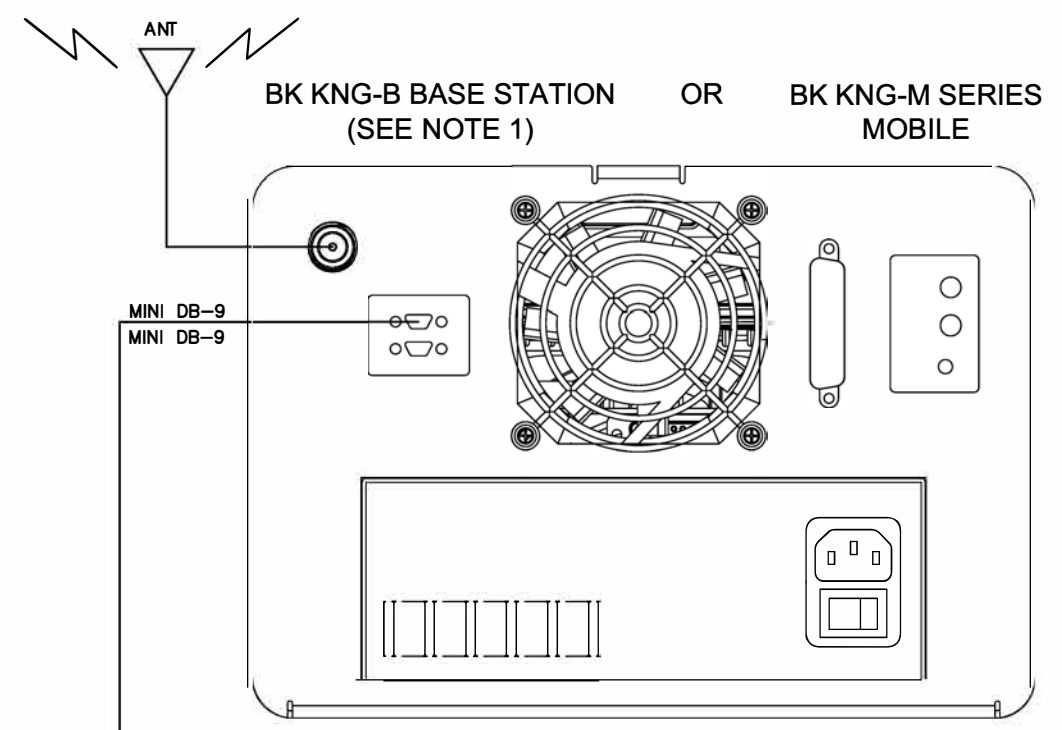
DB-9
FOR RCH

DC PWR
INPUT

RJ-45 (M)
MODULAR 8-PIN
(TYPICAL)

ANT

BK KNG-B BASE STATION
(SEE NOTE 1)

OR

BK KNG-M SERIES
MOBILE

MINI DB-9
MINI DB-9

KAA0670
KNG-M HCH

KAA0628
CRADLE, DESKTOP,
HCH/RCH

DB-15
FOR HCH

DB-9
FOR RCH

BK #
1100-31110-800
AC/DC
SUPPLY
+12V DC

DC PWR
INPUT

RJ-45 (M)
MODULAR 8-PIN
(TYPICAL)

KAA0635
CABLE ASSY, RCH,
MINI DB9-F TO DB9-M

CAT5e/CAT6
4 PAIR, 8 COND

BK #
1100-31110-800
120 VAC TO
+12V DC NOM

PS

This cradle is a desktop docking station to hold a KAA0670 (HCH) for remote interfacing to a KNG-Bxxx base station. Used with a KAA0659 "Splitter Interface Box", four cradle interfaces can be made to one KNG-B through a non-Ethernet/TCP CAT5 cable network or 4 pair telecom line. The cradle allows for complete control of KNG base station. The cradle can be desktop or wall mounted. The KAA0628, KAA0659 and KAA0670 is a drop in replacement for existing console base stations.

Installation Instructions for the implementation of the KAA0628, KAA0659, and KAA0642 for HCH and/or RCH with KNG-B/M Series Radios.

Please refer to the diagram in this Installation Instruction # 7005-31095-200

Required Options, Components, and Kits:

- KAA0659 Splitter, Interface, HCH/ RCH KNG-M/B
- KAA0628 Cradle, Desktop, HCH/ RCH
- KAA0642 Power Supply/ CableKit, RCH

Interface all components as per diagram indicated.

SPECIAL NOTE: The capability to shut off the power from any of the remote control heads (HCH or RCH) is not possible; this can only be done from the control of the main mobile or base radio control head.

KAA0659
SPLITTER, INTERFACE,
HCH/RCH, KNG-M/B

DB-9
PORTS 1-4
A

DB-9
PORTS 5-6
B

FUTURE USE

B

A

FUTURE USE

6   5   4   3   2   1

CAT5e/CAT6
4 PAIR, 8 COND

RJ-45 (F)
NOTE: DO NOT CONNECT
TO AN ETHERNET-TCP/IP
COMPUTER NETWORK.
DAMAGE MAY RESULT.

RJ-45 (M)
MODULAR 8-PIN
(TYPICAL)

CAT5e/CAT6
4 PAIR, 8 COND

NOTE:

1. BASE STATION MUST INCLUDE BK OPTION KZA0616
FACTORY INSTALL REMOTE INTERFACE CABLE ASSY,
RCH, MINI DB9-F TO DB9-M.

KNG BASE STATION SPECIFICATIONS

SPECIFCATION	KNG-B150	KNG-B400	KNG-B500	KNG-B800
CHANNELS W/ VARIABLE ZONE SIZE	5000	5000	5000	5000
ZONES (UP TO)	64	64	64	64
FREQUENCY RANGE (MHZ)	136-174	380-470	440-520	763-870
OPERATING VOLTAGE (V NOMINAL)	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND	120/240 V (NOMINAL), NEGATIVE GROUND
CHANNEL SPACING (KHZ)	12.5 / 25 KHZ	12.5 / 25 KHZ	12.5 / 25 KHZ	12.5 / 25 KHZ
OPERATING TEMP. (C*)	"-30 TO + 60"	"-30 TO + 60"	"-30 TO + 60"	"-30 TO + 60"
DIMENSIONS (W IN X D IN X H IN)	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"	10" X 12.5" X 7.7"
WEIGHT	22 LBS	22 LBS	22 LBS	22 LBS
CHANNEL INCREMENTS (KHZ)	1.25 / 3.125	1.25 / 3.126	1.25 / 3.127	1.25 / 3.128
RECEIVER				
SENSITIVITY (DBM)	-121	-119	-119	-119
P25 SENSITIBITY (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)	51 (45)	52 (45)	53 (45)
SPURIOUS AND HARMONICS (DB)	75	75	75	75
CURRENT DRAW (A)	20A	10A	10A	10A
EMISSION DESIGNATORS	11K0F3E, 16K0F1E, 8K10F1E, 8K10F1D			
	NARROWBAND SPECIFICATIONS ARE DENOTED IN PARENTHESIS.			

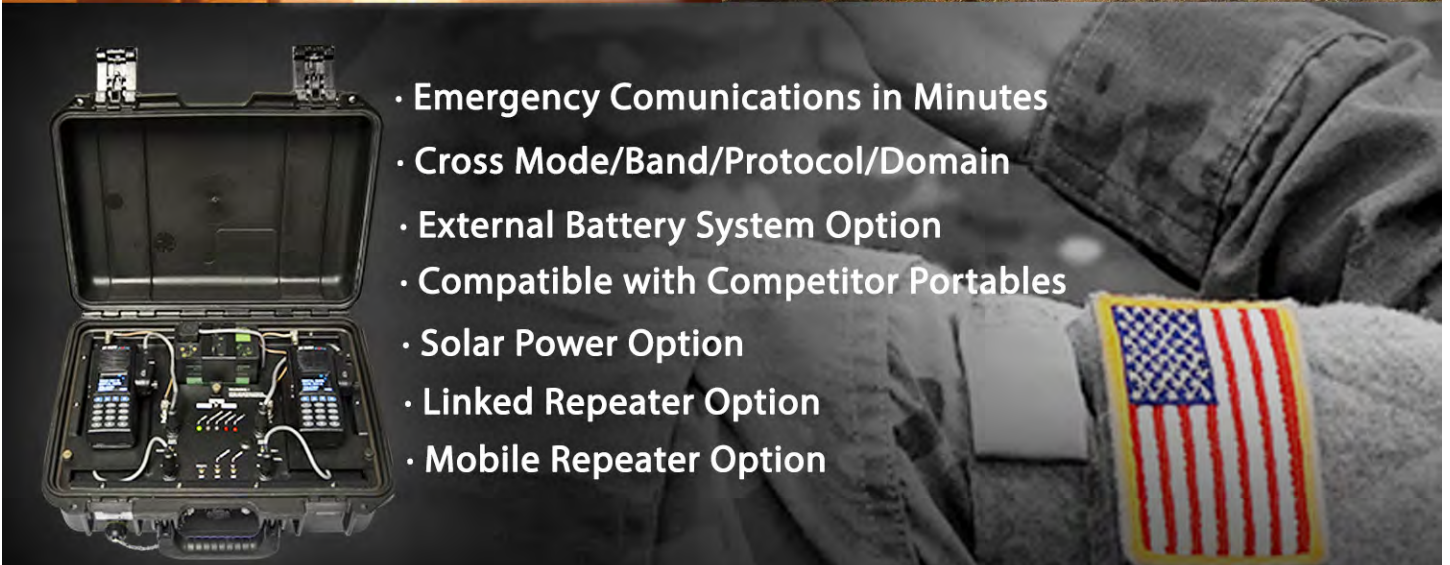# RAPID DEPLOYMENT PORTABLE REPEATER (RDPR)

BK®
TECHNOLOGIES

Tenacious Committment To Quality

Structural Fire

Wildland Fire

- Emergency Comunications in Minutes
- Cross Mode/Band/Protocol/Domain
- External Battery System Option
- Compatible with Competitor Portables
- Solar Power Option
- Linked Repeater Option
- Mobile Repeater Option

www.bktechnologies.com

PLUG AND PLAY

When all communcations are down, the RDPR is the only way to go. Built to withstand the harshest environments, the RDPR is always on standby and ready to communicate. The options, versatility, and ease of use of this unit are unmatched by any competitor. The RDPR is essential in every public safety agency, especailly those which suffe from natural disasters. When Plan A fails, Plan B is the RDPR.

RAPID DEPLOYMENT PORTABLE REPEATER

The Rapid Deployment Portable Repeater (RDPR- 00M) is designed to extend range and to facilitate interoperability with other radio platforms used by Public Safety and Military personnel. Mounted in a small, mobile and durable pelican case, the repeater is portable or can be mounted in a vehicle. The RDPR connects any two radios to double their effective range, or up to three different types to function as a Translator.

"Roof Top Portable Repeater and others call it the Magic Box"

BK®
TECHNOLOGIES

FEATURES

Cross Mode (Analog - Digital)

The RDPR can be equipped to offer cross mode operation. Simply by placing one analog and one digital portable into the unit allows the RDPR to transmit from analog - digital and vice versa.

Cross Band (HF/VHF/UHF, 700/800 MHz)

Any which way you want it. The RDPR offers true interoperability when you need it the most.

Cross Protocol (Conventional - Trunking)

The versatility of the RDPR is unmatched. Communicate conventional - trunked and vice versa with this portable unit.

ACCESSORIES AND OPTIONS

FOLDABLE SOLAR PANEL (20W, 60W, 90W)

The RDPR can be a self contained unit, endlessly powering and recharging itself (weather permitting). Choose from one of our three solar panel options: 20 Watt Foldable (SP20WRDPR-F), 60 Watt Foldable Panel (SP60WRDPR-F), or 90 Watt Foldable Panel (SP90WRDPR-F).

DUPLEXER

For versatility and compatibility, the RDPR is offered with many types of internal duplexers, depending on frequencies and wattage. The duplexer allows you to transmit and receive using the same antenna. (4.5 MHz to 9 MHz separation required).

INTERFACE KITS

BK Technologies understands compatibility and interoperability, which is why we offer many interface kits to equip the unit with a BK portable of your choice. We also offer interface kits for competitor radios if your area deems it necessary.

CARRYING CASES (RDRCC, RDRRCC)

We also offer a larger carrying case (RDRRCC) specially designed to hold your RDPR and it's accessories, such as the solar panel, tripod, cables, etc. This case is durable, portable, and very popular with the US Military. Carry your RDPR and accessories in a portable carrying case with 12 specially designed slots to hold your portable radios (RDRCC).

BK TECHNOLOGIES

EXTERNAL BATTERY (EBS-RDPR)

When the power is out and communications are down, the EBS (External Battery System) can power your essential equipment. With a Li-ion 40 Ah battery, the EBS is fitted with several connection types for various electronics, such as USB and cigarette lighter inserts. Together with a solar panel and cigarette lighter adapter, you can power-up virtually any electronic device for endless power.

INCIDENT COMMAND KIT

In emergency situations when communications are down, the Incident Command Kit is an easy solution to launch portable communications on the fly. This kit includes 12 portable radios (of your choice, pricing varies), compatible speaker microphones, clamshell battery pack with a full bundle of rechargeable AA batteries, an RDPR equipped with radios of your choice, two carrying cases (RDRCC, RDRRCC), and one solar panel of choice, making this kit one of a kind for essential communications in extreme conditions.

SPECIFICATIONS	Rapid Deployment Portable Repeater
Dimensions	6.6 in. x 16.2 in. x 12.7 in.
Weight	17 lbs.
Operating Voltage	(120-240 Volt AC), DC and Solar Power
Operating Temperature	- 86° F to + 140° F (-30° C to + 60° C)

Listed specifications are for basic RDPR settings, features, and hardware.

BK TECHNOLOGIES

BK Technologies® 2022

RDPR-00UM OPTION TREE

BK TECHNOLOGIES

INCLUDED:	
1. 7001-30982-101	Manual, Operator's, RDPR-00UM
2. WCRDPRUM	Charger, Wall, 19V, 3.15A, RDPR-00UM
3. 4004-40012-603	Battery, Li-Ion, 12.4AH, 15V, RDPR-00UM

AVAILABLE CABLE ASSEMBLIES:	
1. VARDPR-UM	Charging Cable, Vehicle/Solar, RDPR-00UM (Can be used to connect to Vehicle/Relm Solar Panels)
2. CABANTRDPR	25 Ft. Antenna Coax Cable, N to UHF
3. CABANTRDPR25N	25 Ft. Antenna Coax Cable, N to N
4. CABANTRDPR50	50 Ft. Antenna Coax Cable, N to UHF
5. CABANTRDPR50N	50 Ft. Antenna Coax Cable, N to N
6. LINKCRDPR2	Mobile Extender/Link Cable
7. SINCGARS_LINK2	Link Cable Assy for SINCGARS
8. VAT0UM	Cable Adaptor, Relm Solar/Vehicle to RDPR-00UM (Can use VARDPR-UM instead for direct connection from Relm Solar/Vehicle to RDPR-00UM)
9. DCCBLRDPRUM	Unterminated Charging DC Cable
10. CABSOLARRDPR-UM	Solar Panel Cable Assy, used to connect Relm Solar Panel to RDPR-00UM
11. SLRCBLRDPRUM	Solar Cable Assy, 6 FT, 18 AWG
12. MECRDPR	Cable, Mobile Extender, RDPR-UM unterminated
13. MECRDPR-KNGM	Cable, Mobile Extender, RDPR-UM TO KNG-M

AVAILABLE MOUNTING KITS:	
1. RIKBKR	For Mounting BKR Series Radios (Left & Right)
2. RIKKNG	For Mounting KNG-P Radios (Left & Right)
3. RIKXTS	For Mounting Mot(XTS5000)/EFJ Radios (Left & Right)
4. RIKXTS2500	For Mounting Mot(XTS2500) Radios (Left & Right)
5. RIKAPX	For Mounting Mot(APX) Radios (Left & Right)

AVAILABLE OPTIONS:	
1. LZA3015-A	Factory Installed Duplexer 136-148MHz
2. LZA3015-B	Factory Installed Duplexer 148-160MHz
3. LZA3015-C	Factory Installed Duplexer 160-174MHz
4. MR354B-4	Factory Installed Duplexer 380-400MHz
5. LZA3017-A	Factory Installed Duplexer 406-440MHz
6. LZA3017-B	Factory Installed Duplexer 440-480MHz
7. LZA3017-C	Factory Installed Duplexer 480-512MHz
8. LZA3050	Factory Installed Duplexer Switch

AVAILABLE ACCESSORIES:	
1. 4004-40012-603	Battery, Li-Ion, 12.4AH, 15V, RDPR-00UM
2. WCRDPRUM	Charger, Wall, 19V, 3.15A, RDPR-00UM
3. SP20WRDPR-F	Solar Panel, Kit, Foldable, 15.8V, 1.2 A, 20W
4. SP60WRDPR-F	Solar Panel, Kit, Foldable, 15.4V, 3.6 A, 60W
5. SP90WRDPR-F	Solar Panel, Kit, Foldable, 15.4V, 5.4 A, 90W
6. BS4MRDPR	Heavy Duty Tripod, BlueSky 13'
7. USAT-1	Tripod, Aluminum, 6 Ft.
8. MAGMT-NTYPE	Mount, Mag, N-Type
9. MBS	Mounting Base, Antenna
10. MBS-NTYPE	Mounting Base, Antenna, N-Type
11. MWV1360S	Mobile Antenna, 136-174MHz
12. MWU4002S	Mobile Antenna, 380-520MHz
13. MWV800	Mobile Antenna, 760-870MHz
14. RDRRCC	Case, Incident Comd. Kit for RDPR & Access.

Hard Durable
Pelican Case

Power Port
(Solar Option)

Radio

Duplexer
(Internal)

Battery

Mobile
extender/
SINCGAR
connector

Radio

Antenna
Port

Indicator Lights

On/off Switches

Portable Radio Mounting Plate
(Option plates for competitor
portables available)

BK
TECHNOLOGIES

7100 Technology Drive
West Melbourne, Fl 32904
T: 800-821-2900
E: info@bktechnologies.com

www.bktechnologies.com

BK Technologies® 2022

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:

	KNG / BKR 5000	BKR 9000
Basic Unit (Radio)	2 years	5 years
Battery	1 year	1 year
Antenna	1 year	1 year
Other Accessories	1 year	1 year
Repeaters	1 year	n/a

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.

EXCLUSIONS: 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 a BK Technologies Authorized Service Center, (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 BK Technologies Authorized Service Center. 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 EXTENDED WARRANTY* on Portables, Mobiles and Base Stations

KNG Series:

2 PLUS 1 PROGRAM
Extends standard 2 year warranty an additional 12 months
LFW0012 (At time of purchase ONLY)   **$179.00**

2 PLUS 2 PROGRAM
Extends standard 2 year warranty an additional 24 months
LFW0024 (At time of purchase ONLY)   **$229.00**

2 PLUS 3 PROGRAM
Extends standard 2 year warranty an additional 36 months
LFW0036 (At time of purchase ONLY)   **$279.00**
LFW0036EP – Portable (After purchase but within warranty)   **$415.00**
LFW0036EM – Mobile (After purchase but within warranty)   **$615.00**
LFW0036EB – Base Station (After purchase but within warranty)   **$635.00**

BKR 5000:

2 PLUS 1 PROGRAM
Extends standard 2 year warranty an additional 12 months
BFW0012 (At time of purchase ONLY)   **$179.00**

2 PLUS 3 PROGRAM
Extends standard 2 year warranty an additional 36 months
BFW0036 (At time of purchase ONLY)   **$279.00**
BFW0036EP – Portable (After purchase but within warranty)   **$360.00**

*EXTENDED WARRANTY (not offered on repeaters, antennas, batteries and all other accessories; certain restrictions may apply on international warranties). An Extended Warranty is not offered on the BKR 9000 portable radio.

All repairs must be performed by a BK Technologies Authorized 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 (except the BKR 9000), mobiles and base stations and can be purchased at point of sale or within standard warranty period.