

KNG SERIES

SAFETY AND RELIABILITY IN A CUSTOMIZED PLATFORM SUITED FOR YOUR EVERYDAY COMMUNICATIONS

P25 DIGITAL PUBLIC SAFETY RADIOS

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A COMMANDING PERSPECTIVE ON EMERGENCY COMMUNICATIONS

BK Radios give you full control over any situation in the most extreme conditions. Our radios are built for the mission at hand. With our expanded line of KNG Portables, Mobiles, Base Stations, and Repeaters, no emergency is out of reach.

KNG SERIES P25 DIGITAL RADIOS A GLOBAL REVOLUTION IN MISSION CRITICAL COMMUNICATIONS

APCO P25 is a global standard that we abide to, which means the KNG is inter-operable and compatible on a wide range of networks and infrastructures. KNG Series Radios are in operation world-wide, operating on a variety of systems, and are used everyday alongside soldiers and first responders. The KNG is also valuable in everyday facility operations, such as hospitals, stadiums, airports, and national parks.

Currently, over 19,000 KNG Series Portables are in operation alongside agents in the TSA, (Transportation Security Administration), performing long hours and daily use at every major airport facility in the United States. BK Radio has created a network of responsive communications that successfully modernized and replaced an aging Motorola system.

MULTIPLE PLATFORMS WITH THE FUNCTIONALITY THAT YOU DEMAND

The KNG multi-platform solution gives departments and agencies the power over their communications. Choose a conventional P25 or Phase II TDMA P25 radio that is best equipped to handle your daily communications necessities.

KNG P25 DIGITAL, CONVENTIONAL RADIO PLATFORM

Conventional radio at its best. The KNG Conventional Radio Platform is a powerful way to connect with simplified communications that offers quality and reliability using only the specifications that you need.

- Conventional, P25 digital radio
- 500 available channels
- Available in VHF, UHF, and 700/800 MHz
- Compatible on a wide range of competitor systems
- Rated water and dust tight IP67/68
- Optional AES/DES/OFB/ADP Encryption
- Exceeds MIL-STD-810/C/D/E/F/G standards
- Extended battery life, loud audio, and durable design

KNG P25 DIGITAL, TDMA AND TRUNKING RADIO PLATFORM

Built for complex communications in densely populated areas, the KNG P25 Digital TDMA Phase II Platform gives you full control over your communications. Loaded with additional features and the industry leading options that best fit necessary specifications of your job.

- Phase II, TDMA P25 digital radio
- 5000 available channels
- Available in VHF, UHF, and 700/800 MHz
- Optional Trunking capability
- Compatible on a wide range of competitor systems
- Rated water and dust tight IP67/68
- Optional AES/DES/OFB/ADP Encryption
- Exceeds MIL-STD-810/C/D/E/F/G standards
- Extended battery life, enhanced audio, and durable design



KNG SERIES MISSION CRITICAL P25 RADIO COMMUNICATIONS

ALL KNG SERIES RADIOS OPERATE IN PROJECT 25 DIGITAL MODE, TDMA, WIDE-BAND ANALOG (25 KHZ) MODE AND NARROW-BAND ANALOG (12.5 KHZ) MODE. KNG SERIES PORTABLES MEET FCC AND NTIA NARROWBAND REQUIREMENTS.

INDEPENDENT PERFORMANCE AND INTEROPERABILITY TESTING

KNG Series radios have been tested by third party accredited laboratories as part of the Department of Homeland Security's P25 Compliance Assessment Program (P25CAP). Details of the P25CAP program are available at www.rkb.us. KNG Series radios meet performance and interoperability requirements of the P25CAP program and are eligible for grant funding through DHS Grant programs. P25CAP testing has confirmed that the KNG radios meet or exceed all requirements for a P25 Class A radio. Class A specifications were determined by a group of subject matter experts as the minimum performance specifications for a 'Public Safety' radio. KNG Series radios meet the Class A requirement for both Conventional and Trunked performance. In addition, KNG subscriber radios have passed P25CAP testing for trunked interoperability.

PHASE II TDMA AND BK/BK RADIO

BK Technologies maintains a dual rate Phase I/Phase II trunked radio system commercially procured from a major infrastructure vendor in our development facilities. In addition to development use, this system is also used to verify interoperability between KNG series radios and other manufacturer's Phase I and Phase II product offerings.

BK PORTABLE RADIOS ARE RATED IP67/IP68 DUST AND WATER TIGHT

Environmentally protected to IP-67 and IP-68, which simply stated means protection against dust, blowing rain and immersion in water to a minimum depth of 1 meter for a minimum of 30 minutes. Intrinsically safe models and batteries are available for operation in hazardous atmospheres.

BK MOBILE RADIOS ARE RATED IP54 DUST AND WATER PROTECTION

Environmentally protected to IP-54 which simply stated means protection against dust, water and blowing rain.

BK RADIO ELECTRICAL SPECIFICATIONS AND PORTABLE TRANSMIT POWER

KNG Series radios don't just meet requirements for public safety grade operation, they exceed them:

| KNG to Class A Comparison | Class A Performance | | KNG Performance (VHF) | |
|----------------------------|---------------------|----------|-----------------------|------------|
| Class | Mobile | Portable | Mobile | Portable |
| Sensitivity | -116 dBm | -116 dBm | -121 dBm | -121 dBm |
| Faded Sensitivity | -108 dBm | -108 dBm | -117.7 dBm | -117.3 dBm |
| Adjacent Channel Rejection | 60 dB | 60 dB | 65.5 dB | 70.2 dB |
| Spurious Response | 80 dB | 70 dB | >80 dB | >70 dB |
| Intermodulation Rejection | 75 dB | 70 dB | 76.3 | 73.5 dB |
| Modulation Fidelity | 5 % | 5 % | 2.3% | 2.3% |

Portable Transmit Power – KNG Series portable radios in UHF and VHF operate at maximum allowed RF power levels for handheld radios. Maximum transmit power for the VHF model is 6.7 Watts. Maximum transmit power for the UHF models is 5.7 Watts. This provides in excess of 1 watt transmit power over nearly every other manufacturer. Coupled with the KNG's more sensitive receiver, this gives additional operating range and/or better in building coverage. Of course if you are concerned about battery life, KNG radios can be set to transmit at 5 Watts VHF and 4 Watts UHF.



BK Technologies | 7100 Technology Drive, West Melbourne, FL 32904

KNG P25 PORTABLE RADIOS

BK TECHNOLOGIES OFFERS A BROAD SELECTION OF KNG P25 DIGITAL PORTABLES RANGING FROM CONVENTIONAL RADIO TO PHASE II TDMA AND 9600 BAUD TRUNKING

SAME FUNCTIONALITY WITH OR WITHOUT AN ALPHANUMERIC KEYPAD

T3 (TIER 3) PORTABLE RADIO WITH ALPHANUMERIC KEYPAD



T2 (TIER 2) PORTABLE RADIO WITHOUT ALPHANUMERIC KEYPAD



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EVERYTHING YOU'RE LOOKING FOR IN A PUBLIC SAFETY P25 PORTABLE RADIO

All KNG Series Portables are rated MIL-STD-810C/D/E/F/G, Dust and Water Tight IP67 & IP68, and all portables are AES/DES/OFB/ADP Encryption capable.

KNG PORTABLE SERIES P25 DIGITAL RADIO

- Conventional Only
- VHF, UHF, 700/800 MHz
- 512 Channels
- Programmable Buttons

KNG PORTABLE CMD (COMMAND) SERIES PHASE II TDMA RADIO

Noteable Upgrades:

- Phase II TDMA Option
- VHF, UHF, 700/800 MHz
- Extended Programmable Toggle Switches
- Available in T2 and T3 Models

- Available in T2 and T3 Models

- Available in T2 and T3 Models

- 5000 Channels
- Continuous Channel Select



GOOD

BETTER

KNG SERIES PORTABLE P25 DIGITAL TDMA RADIO

Noteable Upgrades:

- Phase II TDMA Embedded
- VHF, UHF, 700/800 MHz
- /800 MHz
- 5000 Channels
- Trunking Capable



KNG SERIES **G2** PORTABLE P25 DIGITAL TDMA RADIO

Noteable Upgrades:

- 5000 Channels

- Trunking Capable

- Louder Audio
- VHF, UHF, 700/800 MHz
- Large, Color LCD Display
- Available in T2 and T3 Models
- 3 Programmable Side Switches
- Dual Microphones

KNG SERIES PORTABLE RADIO STANDARD FEATURES

| | BK RADIO KKO-PAGES SCR BK Radio KNG-S Portable RELM Wireless MENU | BK RADIO KAG-CHEP BCN BK Radio KNG Command RELM Wireless MENU | BK RADIO KNO Series SCN BK Radio KNG Series from RELM Wireless MENU | Le root BK RADIO KNG2 www.relm.com Radios for Heroes Red House First without |
|--------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Standard Features | KNG S PORTABLE | KNG CMD PORTABLE | KNG PORTABLE | KNG2 PORTABLE |
| Conventional | <u>↓</u> | ✓ | - | - |
| APCO P25 Digital | ✓ | ✓ | ✓ | - |
| TDMA | ✓ | | ✓ | - |
| VHF (136-174 MHz) | ✓ | | ✓ | ✓ |
| UHF (380-470 MHz) | ✓ | | ✓ | ✓ |
| UHF (440-520 MHz) | | ✓ | ✓ | ✓ |
| 7/800 (763-870 MHz) | | ✓ | ✓ | 1 |
| 512 Channels | ✓ | | | |
| 5000 Channels | | ✓ | ✓ | 1 |
| Birdie Free | ✓ | ✓ | ✓ | 1 |
| Alphanumeric Keypad | ✓ | ✓ | ✓ | - |
| Tier2 (No Keypad) Avail. | ✓ | ✓ | ✓ | 1 |
| Prog. Front Buttons | ✓ | ✓ | ✓ | 1 |
| 2 Side Prog. Buttons | 1 | ✓ | ✓ | |
| 3 Side Prog. Buttons | | | | 1 |
| Prog. Toggle Switches | 1 | ✓ | ✓ | 1 |
| Priority Scan | ✓ | ✓ | ✓ | 1 |
| Dual Mode Scan | 1 | ✓ | ✓ | 1 |
| Channel Scan | ✓ | ✓ | ✓ | - |
| Group Scan | 1 | ✓ | ✓ | 1 |
| Emergency Signaling | ✓ | ✓ | ✓ | - |
| NIST FIPS-140-2 Cert. | ✓ | 1 | ✓ | ✓ |
| MIL-SPEC C/D/E/F/G | ✓ | 1 | ✓ | 1 |
| USB Programmable | ✓ | ✓ | ✓ | - |
| Talk Around | ✓ | - | ✓ | ✓ |
| Text Messaging | | | √ | √ |
| Color LCD Display | | | | ✓ |
| Dual Microphones | | | | ✓ |
| Noise Cancellation bktechnologies.com 1-800 |)-821-2900 sales@hkt | echnologies com | | ✓ hnologies 2017, Rev.2 |

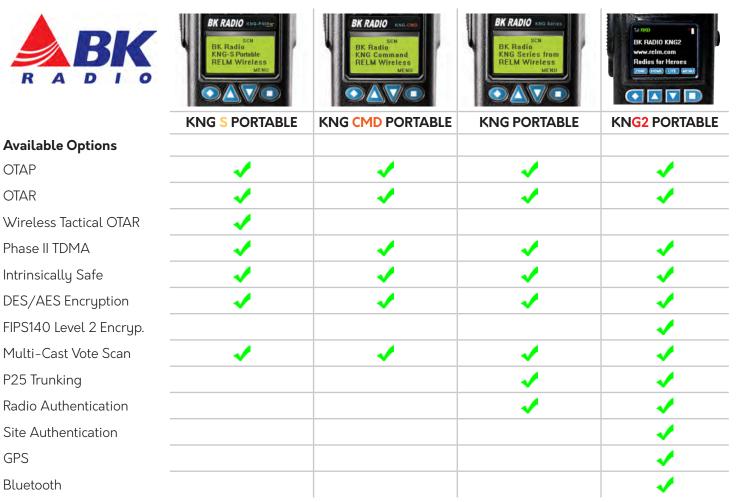
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KNG SERIES PORTABLE RADIO FEATURE DESCRIPTIONS

| 1-6 Watts RF Power Output | Extend the radio's reach with up to 6 Watts of signal clar- ity. High and low settings are programmable by channel for power efficiency. |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 100 Programmable Quick Call ID's | Connect with select radio users easily and ASAP through BK's Quick Call function. |
| Problem Prevention Features | The Keypad lock prevents you from accidentally hitting a button that may activate functions unintentionally. |
| DVSI AMBE+2 Version 1.80 Vocoder | The version 1.60 Vocoder provides improved RF per- formance in a variety of degraded signal conditions. It also provides enhanced audio signal conditioning which improves system performance in the presence of back- ground noise. |
| Superior Audio Quality | The KNG comes equipped with a 1.6" diameter speaker, giving you the loudest and clearest sound with the least distortion. |
| Custom Programming | Our intuitive menu system and feature set is fully cus- tomized to fit your everyday needs. |
| MIL-STD-810C/D/E/F/G | The KNG Portable has gone through rigorous testing and meets or exceeds military requirements. |
| Bright, Color LCD Display – Available on KNG2 | Day or night, get all the information at a glance with our bright 13 character, 5 line color LCD Display. |
| Talk Around | This feature allows you to bypass or "talk around" a re- peater for a direct connection. |
| 5000 Channels, Dynamic Grouping 512 Channels for KNG–S Portable | Custom-tailored user groups can be programmed into the KNG by radio users and can also be field changed or reprogrammed whenever necessary. |
| Channel/Priority/Dual Mode/Group Scan | Find an available channel for communications: scan by channel, priority channel, or scan by groups, one group at a time. Dual Mode Scan allows you to simultaneously scan conventional and trunked radio systems. |
| Birdie Free | Only BK Technologies goes the extra mile to create a truly birdie free radio, which means there are no blacked out frequencies on our portable. |
| Text Messaging | Users sending text messages receive an acknowledge- ment that deliver of the message was successful. Text Messages can be sent radio-to-radio or can be repeated through fixed network equipment. |
| Long Battery Life | The KNG works as long as you do, putting in 12+ hours of reliable communication everyday. Upgrade to the KAA0101, a compact 3600 mAH battery and boost your battery life to 16+ hours. |
| Waterproof IP67/IP68 Rating | Dust tight and waterproof - the KNG Portable is especial- ly designed to withstand 30 minutes of water immersion at 1 meter depth. |
| APCO Project 25 | The KNG Portable meets or exceeds APCO P25 stan- dards. |
| Field or USB Programmable | Ease of use. The KNG can be programmed via USB port on virtually any PC. |
| Emergency Signaling | KNG series radios support emergency calls and emer- gency alarms at the touch of the orange button. |

KNG SERIES PORTABLE RADIO OPTIONS





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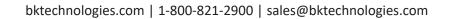


| P25 Trunking | The KNG 9600 Baud Trunking option gives you the ability to communicate without hassle and without complication. Compatible with competitor Trunk- ing systems, BK Technologies Trunking is P25 compliant and loaded with features, such as encryption and many unit-to-unit specializations. Best of all you get BK's ease of use. Using our intuitive software, modifying your KNG Trunking features will be simple. |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wireless Tactical OTAR | With BK's Wireless Tactical OTAR (WTO), you are provided with the flexi- bility to upgrade encryption keys wireless and effortlessly without ancillary equipment, infrastructure or key management facilities. WTO operates radio-to-radio and is completely contained in the KNG radio units, which means no additional equipment is required beyond initialization. |
| Multicast Vote Scan | 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 scar list and designated as "voted" channels. The KNG Radio scans all voted channels and selects the channel with the best signal. |
| OTAR | 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. |
| OTAP | BK Technologies Over-the-air-programming gives you the ability to repro- gram a unit from a central console to anywhere within your coverage area. It allows for you to make the necessary changes to a remote radio without the hassle of extra personnel, wasted time, and additional equipment. |
| AES/DES/OFB Encryption | AES and DES (Digital Encryption Standard) allows you to communicate with other radios that have the specific key programmed. BK's AES/DES Encryp- tion is NIST certified, validated FIPS 140-2 Type III encryption with a 256 key load. |

KNG SERIES PORTABLE RADIO OPTION PART NUMBERS AND DESCRIPTIONS

| KAA0560 | Factory Install Bluetooth, KNG2-Pxxx |
|---------|--------------------------------------------------------------------------------------------|
| KAA0561 | Option, GPS, KNG2-Pxxx |
| KAA0582 | Option, OTAP, Trunking, KNG-Pxxx "Must have KZA0579" |
| KAA0570 | OTAR (Trunking & Conventional) 2048 Channel Portables "Must have KZA0579" |
| KAA0579 | P25 9600 Baud Trunking 5000 Channel Portables |
| KAA0593 | Option, TDMA, KNG-Pxxx |
| KAA0595 | Option, radio Authentication, KNG-P "Must have KZA0577" |
| KZA0558 | Factory Install Intrinsically Safe |
| KZA0560 | Factory Install Bluetooth, KNG2-Pxxx |
| KZA0561 | Factory , GPS, KNG2-Pxxx |
| KZA0570 | Factory Install OTAR Trunking & Conventional 5000 Channel Portables "Must have KZA0577" |
| KZA0574 | Factory Install, DES & AES FIPS140-2 Level 2 Encryption KNG2 "Only" |
| KZA0577 | Factory Install DES / AES Encryption |
| KZA0578 | Factory Install P25 Over the Air Rekeying (OTAR) 512 Channel Portables |
| KZA0579 | Factory Install P25 9600 Baud Trunking |
| KZA0581 | Factory Install Multi -Cast Vote Scan Plus |
| KZA0582 | Factory Install, OTAP, Trunking, KNG-Pxxx "Must have KZA0579" |
| KZA0584 | Factory Install, Wireless Tactical Over the Air Rekeying Includes KZA0578 KNG-PS Series |
| KZA0588 | Factory Install Trunking Compatible Platform KNG-P " Must have KZA0579" |
| KZA0591 | Factory Install GPS KNG-Pxxx |
| KZA0593 | Factory Install, TDMA, KNG-Pxxx |
| KZA0595 | Factory Install, Site Authentication KNG-Pxxx "Must have KZA0577 & KZA0579" |

OVER 19,000 KNG SERIES PORTABLE RADIOS ARE IN OPERATION BY TSA AGENTS AT AIRPORTS ACROSS THE UNITED STATES.



BK PORTABLE RADIO BATTERY LIFE COMPARISON

| KNG Series | P150 @ 5W | P400/P500 @ 4W | P800 @ 3W | P150S @ 5W | P400S @ 4W |
|--------------------------------|---------------------------------------------|-------------------|----------------|----------------|---------------|
| Battery | | Battery Life | (hrs) with 5/5 | /90 Duty Cycle | |
| KAA0100 | 9.8 | 9.4 | 8.9 | 13.0 | 12.2 |
| KAA0101 | 17.4 | 16.6 | 15.8 | 23.0 | 21.6 |
| KAA0120 Clamshell ¹ | TBD | TBD | TBD | TBD | TBD |
| Battery | Battery Life (hrs) with 10/10/80 Duty Cycle | | | | |
| KAA0100 | 7.0 | 6.8 | 7.2 | 8.7 | 8.3 |
| KAA0101 | 12.5 | 12.1 | 12.8 | 15.3 | 14.7 |
| KAA0120 Clamshell ¹ | TBD | TBD | TBD | TBD | TBD |

| BK Series @ 5W (2W w/Clamshell) | GPH | DPHx | GPH-CMD | DPHx-CMD |
|----------------------------------------------|---------------------------------------------|------------------|-----------------|----------|
| Battery | Batte | ery Life (hrs) w | ith 5/5/90 Duty | Cycle |
| LAA0193 | 13.8 | 13.2 | 13.2 | 13.2 |
| LAA0171 | 18.7 | 18.0 | 18.0 | 18.0 |
| LAA0170 | 21.7 | 20.8 | 20.8 | 20.8 |
| Clamshell ¹ | 23.6 | 22.7 | 22.7 | 22.7 |
| Battery | Battery Life (hrs) with 10/10/80 Duty Cycle | | | |
| LAA0193 | 7.4 | 7.3 | 7.3 | 7.3 |
| LAA0171 | 10.1 | 9.9 | 9.9 | 9.9 |
| LAA0170 | 11.7 | 11.5 | 11.5 | 11.5 |
| Clamshell ¹ | 12.8 | 12.5 | 12.5 | 12.5 |

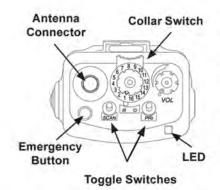
| RDPR Series ² & MPR | RDPR-00U | RDPR-00M | RDPR-HP w/EBS | MPR-150 |
|--------------------------------|--------------|----------------------------------------|------------------|----------|
| Battery | Battery Life | e (hrs) with 10% | Duty Cycle | N/A |
| 7.5A SLA | 34.3 | N/A | N/A | |
| 2 x 7.5 SLA | 68.6 | N/A | N/A | |
| UBI2590 (Military) | N/A | 37.3 | N/A | |
| 40 AH Li-Ion | N/A | N/A | 40.1 | |
| Battery | Battery Life | Battery Life (hrs) with 20% Duty Cycle | | |
| 7.5A SLA | 20.2 | N/A | N/A | N/A |
| 2 x 7.5 SLA | 40.3 | N/A | N/A | N/A |
| UBI2590 (Military) | NA | 25.6 | N/A | 23.8 |
| 40 AH Li-Ion | N/A | N/A | 20.7 | N/A |
| Battery | Battery Life | e (hrs) with 30% | Duty Cycle | 10/10/80 |
| 7.5A SLA | 14.3 | N/A | N/A | N/A |
| 2 x 7.5 SLA | 28.5 | N/A | N/A | N/A |
| UBI2590 (Military) | N/A | 19.5 | N/A | 18.2 |
| 40 AH Li-Ion | N/A | N/A | 14.0 | N/A |



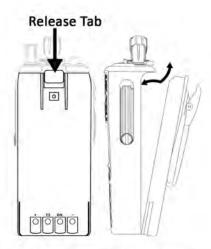
¹ Battery life is dependent on the quality of the alkaline cell. ² Estimated using KNG-P150 at 5W



KNG2 PORTABLE RADIO BUTTONS AND FUNCTIONS



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



The KNG2 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 KNG2 display can be programmed to display different information when a trunking or conventional channel is selected.





KNG SERIES MOBILE RADIO

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.

| | 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 | | |

HANDHELD CONTROL HEAD - HCH





KNG SERIES MOBILE RADIO

Radio Controls – The KNG–M Series radios use an innovative touch screen display. This display is used to both control radio functions and to provide visual feedback to the operator. Via programming software, the characteristics of the display and controls are customized for the individual radio application. The display also provides Status Icons including encryption indicator and Received Signal Strength.

Remote Control Heads - Optional remote control heads are available for the KNG-M Series radios. A total of three control heads can be supported, one transceiver mounted and two remote heads.

Output Power - KNG-M Series mobile radios provide mid and high power levels in the same form factor. This provides greater flexibility in installation.

Water Resistant - KNG-M Series mobile radios are resistant to rain and blowing rain, IP-54 rated.

Robust Receiver - KNG-M Series radio provides substantially better RF receive performance over competitive offerings. This will result in improved range and less susceptibility to interference with the KNG-M Series radios. The KNG Series radios operate in both C4FM and CQPSK modes offering robust performance even in simulcast (including LSM) systems.

Project 25 9600 Baud Trunking – The KNG Series radio operates on 9600 baud P25 Compliant Trunking Systems, including Motorola, Harris, Cassidian, Daniels and EFJohnson systems.

OTAP - KNG Series radios support over-the-air programming (OTAP) to improve operational efficiencies

Encryption – KNG Series radios are available with optional encryption features, including OTAR to support secure tactical communication. BK radios with encryption have been validated to the National Institute of Standards (NIST) FIPS-140-2 program, providing assurance that encryption services are implemented in a secure and meaningful way.

Scan Modes. KNG Series radios support conventional dual priority scan, trunked priority scan, and dual mode scan which allows simultaneous trunked and conventional channel scan.

Embedded GPS – The KNG Mobile Radio is equipped with internal GPS capability, which means no external devise is necessary to operate the GPS function.



KNG MOBILE RADIO STANDARD FEATURES

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

11754

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.







BK Technologies | 7100 Technology Drive, West Melbourne, FL 32904

KNG MOBILE AVAILABLE OPTIONS AND DESCRIPTIONS

| KAA0154 | High Power, 110W KNG-M150 |
|---------|---------------------------------------------------------------------------|
| KAA0521 | DFSI / Station Alert Interface Unit |
| КАА0569 | P25 9600 Baud Trunking |
| KAA0580 | OTAR (Trunking & Conventional) "Must have KZA0576" |
| KAA0583 | Vote Scan |
| KAA0589 | Field Installed GPS Option for KNG Mobiles |
| KAA0592 | Field Installed, OTAP, Trunking, KNG-Mxxx "Must have KZA0569" |
| KAA0594 | Option, TDMA |
| KAA0596 | Option, Radio Authentication "Must have KZA0576 & KZA0569" |
| KAA0614 | Kit, Nameplate KNG-Mxxx |
| KAA0616 | Cable Interface, FireCom KNG-Mxxx |
| KAA0629 | Kit, RCH Expansion Splitter Box, KNG-M |
| KAA0660 | Remote Control Head Plug & Play KNG-Mxxx (Comes with KAA0638 Install Kit) |
| KAA0661 | Remote Control Head Cover KNG Mobiles |
| KAA0670 | Hand Held Control Head HCH |
| KZA0154 | Factory Install Option, High Power, 110W KNG-M150 Only |
| KZA0569 | Factory Install P25 9600 Baud Trunking |
| KZA0576 | Factory Install DES / AES Encryption |
| KZA0580 | Factory Install P25 Over the Air Rekeying (OTAR) " Must have KZA0576" |
| KZA0583 | Factory Install Vote Scan |
| KZA0589 | Factory Install GPS |
| KZA0592 | Factory Install, OTAP, Trunking, KNG-Mxxx "Must have KZA0569" |
| KZA0594 | Factory Install, TDMA "Must have KZA0569" |
| KZA0596 | Factory Install, Radio Authentication "Must have KZA0576 & KZA0569" |
| KZA0614 | Factory Install, Kit, Nameplate KNG-Mxxx |



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KNG MOBILE RADIO BUTTONS AND FUNCTIONS

- 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





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