

A Whole New RELM of Possibilities



KNG MOBILE



- ✓ P25 Trunking Option
- ✓ Mobile Programmability
- ✓ Multi-Mode Operation
- ✓ Programmable Channel Scan
- ✓ Talkaround Mode
- ✓ Scan Mode
- ✓ Alpha-numeric Touch Screen Display



Meet the KNG Series Mobile, the industry's first mobile radio with a touch screen display. The KNG Series Mobile offers exceptional features in a standard package for both mid and high power applications.

KNG MOBILE

The KNG Mobile is offered in four frequency bands and two power options, 50 or 100 Watt. The menu is smart and customized to fit your everyday needs.



KNG - M150	VHF 136 - 174 MHz
KNG - M400	UHF 380 - 470 MHz
KNG - M500	UHF 440 - 520 MHz
KNG - M800	UHF 763 - 870 MHz

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Your Local Dealer



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, RELM Wireless Trunking is P25 compliant and loaded with features, such as encryption and many unit-to-unit specializations. Best of all you get RELM's easy 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 effortless, 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. RELM's AES/DES Encryption is NIST certified, validated FIPS 140-2 Type III encryption with a 256 key load.

HIGH POWER (110 WATT) (KZA0154)

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

GPS (KAA0589)

Know where you are at any given moment with the RELM Wireless 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.





ADVANCED FEATURES

FEATURES

2048 Channels, Dynamic Grouping

Custom-tailored user groups can be programmed into the KNG mobile by radio users and can also be field changed or reprogrammed whenever necessary.

USB or Mobile Programmability

Program the KNG Mobile out in the field in minutes using an easy to use customized menu system, or simply plug in your laptop via USB port on the front of the unit.

Mixed-mode Operation

Whether analog or digital, communicate effortlessly to either mode with RELM's Mixed-mode feature.

APCO Project 25

The KNG Portable meets or exceeds APCO P25 standards.

Class A Specifications

The KNG Mobile meets or exceeds other competitor's APCO P25 mobile specifications.

Channel/Priority/Group Scan

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

Alpha-numeric Touch Screen Display

The first of its kind, 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.

Small Package High and Mid Power

Only the KNG Mobile offers 50 Watt and 110 (VHF) Watt power in a same size package - small and compact to fit neatly in your dashboard.

Birdie Free

Only RELM Wireless goes the extra mile to create a truly birdie free radio, which means there are no blacked out frequencies on this mobile.

256 Programmable Quick Call ID's

Connect with select radio users easily and ASAP through RELM's Quick Call function.

Busy Channel Selections

Designed to prevent other radio communications and interference on channels being used.

Talk Around

This feature allows you to bypass or "talk around" a repeater for a direct connection.

Problem Prevention Features

The Keypad lock prevents you from accidentally hitting a button that may activate functions unintentionally.

Custom Menu System

Our intuitive menu system gives you full control. Fully customize the menu to fit your everyday needs.





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BUTTONS AND FUNCTIONS



KNG SERIES MOBILE

Specification	KNG-M150	KNG-M400	KNG-M500	KNG-M800
Channels w/ Variable Zone Size	2048			
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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