

The KNG P150 Digital Portable Radio

136-174 MHz



Tough. Reliable. Uncompromising.

Meet the KNG P150 digital portable radio from RELM Wireless. The one radio that works as hard as you do – in the same mission-critical situations you do. Compliant with APCO Project 25 specifications, the KNG P150 assures uninterrupted interoperability across frequencies, different groups of responders and variations in terrain. When seconds count, it's everything you need in a communications device.

The practical solution for all personnel.

In the field, first responders learn to expect the unexpected. So, whether it's reacting to a change in wind direction for fire fighters, coordinating backup for law enforcement or deploying additional units for military operations, it's important to keep everyone on the same line of communication – even if the equipment they're using is made by different companies. That's why the P25 designation is so important. It assures that the KNG P150 will work with any other similarly APCO-specified device.

Even better, unlike digital portable radios that run out of battery life too soon, the KNG P150 remains on duty for 18 hours or more. No one can predict when a minor situation will turn out to be something more, but with the KNG P150 in your back pocket, at least you'll never have to worry about your radio giving out. It's what a whole new RELM of possibilities is all about.

- + 512 channels and up to 63 zones
- + Over-The-Air-Rekeying (OTAR) encryption
- + 18+ hours of battery life
- + USB PC programmable
- + IS options available
- + NIST-certified AES and DES/OFB encryption
- + Customized keypad and multi-line display
- + RS-232 radio-to-radio cloning in just minutes
- + MIL-STD 810 C/D/E/F
- + IP67 dust tight/immersion up to 1m of submersion
- + Future options – GPS and Trunking

General Specifications	P150
Frequency Range (MHz)	136 - 174
Channels w/ Variable Zone Size	512
Zones (up to)	63
Operating Voltage (V Nominal)	10
Channel Spacing (kHz)	12.5/25
Channel Increments (kHz)	1.25
Operating Temperature (°C)	-30 to +60
Dimensions (W in x D in x H in)	2.5 x 1.8 x 5.5
Weight w/Battery (oz)	16
Standby Current Draw (mA)	20
With Battery Save "On"	
FCC ID	K95KNGP150

Receiver Specifications	
Sensitivity (dBm)	-121
P25 Sensitivity (dBm)	-121
Adjacent Channel Rejection (dB)	80 (70)
Per TIA/EIA-603 2.1.6	
P25 Adjacent Channel Rejection (dB)	60
Spurious and Images (dB)	80
Intermodulation Rejection (dB)	78
Audio Distortion at 500mW (%)	2
Current Draw (mA)	255

Transmitter Specifications	
RF Power (Watts)	6 / 5 / 1
Frequency Stability (ppm)	1.5
Audio Distortion (%)	3
FM Hum & Noise (dB)	50 (45)
Spurious and Harmonics (dB)	75
Current Draw (mA)	1500

Narrowband specifications are denoted in parenthesis.



The KNG P400 Digital Portable Radio

380-470 MHz



The next level in digital portable radio.

That's the KNG P400 from RELM Wireless. With 512 channels and up to 63 zones at your disposal, the KNG P400 will handle anything the mission can throw at it. Featuring 18+ hours of battery life, this is one radio that will remain by your side until the job is done. It's also designed to perform at or above APCO Project 25 specifications, making it the preferred choice of life-saving professionals.

Better capabilities across the board.

Regardless of where you find yourself working, the KNG P400 has the capabilities you need to stay in contact at all times. It's something that's become essential for highway patrol or other mission critical personnel who travel from county-to-county or state-to-state. In minutes, you can program more than 16 frequencies to one zone; then, simply repeat the process as needed for up to a total of 63 zones. You can even change the order in the menu readout screen according to your preferences.

For operations that involve large numbers of officers or troops, the KNG P400 offers the convenience of Over-The-Air-Rekeying (OTAR) encryption. Rather than manually changing encryption keys through a keyload cable, the OTAR function enables each radio in the field to be changed by remote signal – an advantage that opens up a whole new RELM of possibilities.

- + 512 channels and up to 63 zones
- + Over-The-Air-Rekeying (OTAR) encryption
- + 18+ hours of battery life
- + USB PC programmable
- + IS options available
- + NIST-certified AES and DES/OFB encryption
- + Customized keypad and multi-line display
- + RS-232 radio-to-radio cloning in just minutes
- + MIL-STD 810 C/D/E/F
- + IP67 dust tight/immersion up to 1m of submersion
- + Future options – GPS and Trunking

General Specifications	P400
Frequency Range (MHz)	380 - 470
Channels w/ Variable Zone Size	512
Zones (up to)	63
Operating Voltage (V Nominal)	10
Channel Spacing (kHz)	12.5/25
Channel Increments (kHz)	12.5
Operating Temperature (°C)	-30 to +60
Dimensions (W in x D in x H in)	2.5 x 1.8 x 5.5
Weight w/Battery (oz)	16
Standby Current Draw (mA)	20
With Battery Save "On"	
FCC ID (pending)	K95KNGP400

Receiver Specifications	
Sensitivity (dBm)	-119
P25 Sensitivity (dBm)	-119
Adjacent Channel Rejection (dB)	78 (67)
Per TIA/EIA-603 2.1.6	
P25 Adjacent Channel Rejection (dB)	60
Spurious and Images (dB)	80
Intermodulation Rejection (dB)	75
Audio Distortion at 500mW (%)	2
Current Draw (mA)	255

Transmitter Specifications	
RF Power (Watts)	5 / 4 / 1
Frequency Stability (ppm)	1.5
Audio Distortion (%)	3
FM Hum & Noise (dB)	50 (45)
Spurious and Harmonics (dB)	75
Current Draw (mA)	1500

Narrowband specifications are denoted in parenthesis.



The KNG P500 Digital Portable Radio

440-520 MHz



Secure, interoperable communications.

With the KNG P500, that's what you'll get every mission, every time. And, with advanced functions like Over-The-Air-Rekeying (OTAR) encryption and RS-232 radio-to-radio cloning, the KNG P500 is guaranteed to perform under pressure – just like the people who use it. Even better, because it's Project 25 compliant, you can trust it to work in any circumstance, anywhere in the world.

Classified for confidential use.

As an AES encryption and NIST-certified device, the KNG P500 offers undercover law enforcement, military surveillance and special agents the ability to operate in confidence knowing their radios can't be decoded or dismantled. In the event suspicion arises that a KNG P500 may fall into the wrong hands, users can employ a function that allows the combatant to continue transmitting openly, but closes his ability to listen-in on other channels, circumvent detection and avoid capture.

The KNG P500 digital portable radio is also rated as Intrinsically Safe (IS) for use in combustible or flammable environments, making it perfect for fire department personnel responding to gas leaks or hazardous material spills. Moreover, the KNG P500 meets military standards for ruggedness. All the more reason to explore a whole new RELM of possibilities in the field.

- + 512 channels and up to 63 zones
- + Over-The-Air-Rekeying (OTAR) encryption
- + 18+ hours of battery life
- + USB PC programmable
- + IS options available
- + NIST-certified AES and DES/OFB encryption
- + Customized keypad and multi-line display
- + RS-232 radio-to-radio cloning in just minutes
- + MIL-STD 810 C/D/E/F
- + IP67 dust tight/immersion up to 1m of submersion
- + Future options – GPS and Trunking

General Specifications	P500
Frequency Range (MHz)	440 - 520
Channels w/ Variable Zone Size	512
Zones (up to)	63
Operating Voltage (V Nominal)	10
Channel Spacing (kHz)	12.5/25
Channel Increments (kHz)	12.5
Operating Temperature (°C)	-30 to +60
Dimensions (W in x D in x H in)	2.5 x 1.8 x 5.5
Weight w/Battery (oz)	16
Standby Current Draw (mA)	20
With Battery Save "On"	
FCC ID (pending)	K95KNGP500

Receiver Specifications	
Sensitivity (dBm)	-121
P25 Sensitivity (dBm)	-121
Adjacent Channel Rejection (dB)	79 (67)
Per TIA/EIA-603 2.1.6	
P25 Adjacent Channel Rejection (dB)	60
Spurious and Images (dB)	85
Intermodulation Rejection (dB)	77
Audio Distortion at 500mW (%)	2
Current Draw (mA)	255

Transmitter Specifications	
RF Power (Watts)	5 / 4 / 1
Frequency Stability (ppm)	1.5
Audio Distortion (%)	3
FM Hum & Noise (dB)	50 (45)
Spurious and Harmonics (dB)	75
Current Draw (mA)	1500

Narrowband specifications are denoted in parenthesis.



The KNG P800 Digital Portable Radio

763-870 MHz



Built-to-last. Built-for-life.

As in life-saving, mission-critical communications. The KNG P800 does it all and then some. It meets or exceeds APCO Project 25 specifications, and comes complete with a customizable keypad, multi-line display and a number of available options. Other features include full interoperable functions and USB PC programmability. When it's all on the line, only one radio will do: the KNG P800.

New dimensions in digital portable radio.

The KNG P800 from RELM Wireless is ergonomically shaped to fit the hand as easily as it fits the holster. Better yet, because it weighs in at less than 16 ounces, it can make a small, but real difference in total load volume for those who carry a large amount of gear over an extended period of time. Plus, with battery life nearly double that of other radios in its class, the KNG P800 provides particular relief for airport security officers accustomed to carrying a spare battery around to get through their shifts.

At sea or on land, the KNG P800 really proves its mettle as an IP67-certified device that resists dust, mist and water up to one meter in full submersion. So, whether the task calls for an amphibious operation in open water, a foot pursuit through a driving rain or a search and rescue mission in a deep fog, it's the only radio you'll ever need. A whole new RELM of possibilities, indeed.

- + 512 channels and up to 63 zones
- + Over-The-Air-Rekeying (OTAR) encryption
- + 18+ hours of battery life
- + USB PC programmable
- + IS options available
- + NIST-certified AES and DES/OFB encryption
- + Customized keypad and multi-line display
- + RS-232 radio-to-radio cloning in just minutes
- + MIL-STD 810 C/D/E/F
- + IP67 dust tight/immersion up to 1m of submersion
- + Future options – GPS and Trunking

General Specifications	P800
Frequency Range (MHz)	763 - 870
Channels w/ Variable Zone Size	512
Zones (up to)	63
Operating Voltage (V Nominal)	10
Channel Spacing (kHz)	12.5/25
Channel Increments (kHz)	TBD
Operating Temperature (°C)	-30 to +60
Dimensions (W in x D in x H in)	2.5 x 1.8 x 5.5
Weight w/Battery (oz)	16
Standby Current Draw (mA)	20
With Battery Save "On"	
FCC ID (pending)	K95KNGP800

Receiver Specifications	
Sensitivity (dBm)	-119
P25 Sensitivity (dBm)	-119
Adjacent Channel Rejection (dB)	72 (63)
Per TIA/EIA-603 2.1.6	
P25 Adjacent Channel Rejection (dB)	60
Spurious and Images (dB)	75
Intermodulation Rejection (dB)	75
Audio Distortion at 500mW (%)	2
Current Draw (mA)	255

Transmitter Specifications	
RF Power (Watts)	3 / 1
Frequency Stability (ppm)	1.5
Audio Distortion (%)	3
FM Hum & Noise (dB)	50 (45)
Spurious and Harmonics (dB)	75
Current Draw (mA)	1500

Narrowband specifications are denoted in parenthesis.

