The KENWOOD Viking 6000 series portable is specifically designed for today’s public safety agencies with advanced features and ergonomics to meet the first responder’s mission critical operational needs.

Features

- Mixed protocol operation (P25 Phase 1 & 2 Trunking, P25 Conventional, Viking16, FM Analog)
- Mixed protocol zones (each channel in a zone can be from a different system)
- 1024 channels (2048 and 4096 options)
- Public safety ergonomics: flare grip for control, large glove friendly knobs, large emergency button
- 1 Watt audio output for high noise environments
- Voice announcement & custom announcement creation
- Fully ruggedized - IP67/68 & MIL-STD-810 C/D/E/F/G
- Full key models (w/ numeric keypad)
- Built-in GPS receiver/antenna for enhanced awareness
- MDC-1200 & GE-Star signaling
- P25 Authentication
- Bluetooth®
- Man Down
- Instant Recording Replay (IRR)
- Voice Recording
- Text Messaging
- Radio Cloning
- Bluetooth Low Energy
- Encryption
  - ARC4™ software encryption; compatible w/Motorola ADP™
  - P25/TIA defined: AES-256
  - DES-OFB
  - Over-the-Air-Rekeying (OTAR)

User Selectable Color Themes

- Multi-line text
- Top flip display changes text orientation for viewing while in holster
- Multiple visual indicators including battery health & signal strength
- Backlight changes for event identification
- Day & night user selectable display options (8 themes available)

Compatible with Multiple P25 Systems

- ATLAS® P25 Phase 1 and Phase 2 System
- Motorola Astro® 25 - P25 Phase 1 & Phase 2
- Harris VIDA® - P 25 Phase 1 & Phase 2
- Airbus (formerly Cassidian) VESTA™ Radia - P25 Phase 1 & Phase 2

Accessories

Complete line of accessories including microphones, speakers & antennas. Download the accessory catalog at www.efjohnson.com/products/accessories.

We combine P25 design expertise with recognized quality & reliability along with advanced technology to make KENWOOD Viking radios simple to use & maintain.
### VP6230/6330/6430 Portable Specifications

<table>
<thead>
<tr>
<th>General</th>
<th>VP6230</th>
<th>VP6330</th>
<th>VP6430</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>136-174 MHz (FCC ID K44431400)</td>
<td>Type 1: 450-520 MHz (FCC ID K44431500)</td>
<td>RX: 763-776, 851-870 MHz TX: 763-776, 793-806, 806-825, 851-870 MHz (FCC ID ALH442000)</td>
</tr>
<tr>
<td>Max. Channels Per Radio</td>
<td>1024 (2048 and 4096 options)</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>Number of Zones</td>
<td>255</td>
<td>255</td>
<td>255</td>
</tr>
<tr>
<td>Power Supply</td>
<td>7.5 V DC ±20%</td>
<td>7.5 V DC ±20%</td>
<td>7.5 V DC ±20%</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-22 °F to +140 °F (-30 °C to +60 °C)</td>
<td>-22 °F to +140 °F (-30 °C to +60 °C)</td>
<td>-22 °F to +140 °F (-30 °C to +60 °C)</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±1.5 ppm</td>
<td>±1.5 ppm</td>
<td>±1.5 ppm</td>
</tr>
<tr>
<td>Case</td>
<td>Polycarbonate - black or high visibility (additional fee)</td>
<td>Polycarbonate - black or high visibility (additional fee)</td>
<td>Polycarbonate - black or high visibility (additional fee)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>KNB-L2 (2,600 mAh)</td>
<td>KNB-L3 (3,400 mAh)</td>
<td>KNB-L3 (3,400 mAh)</td>
</tr>
<tr>
<td>Weight with Battery</td>
<td>KNB-L2 (2,600 mAh)</td>
<td>173 oz (484.5 g)</td>
<td>18.6 oz (527.5 g)</td>
</tr>
<tr>
<td>Receiver</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitivity P25 Digital (5% BER)</td>
<td>-119 dBm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitivity Analog (12 dB SINAD)</td>
<td>-119 dBm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Selectivity P25 Digital</td>
<td>60 dB</td>
<td>65 dB</td>
<td>73 dB</td>
</tr>
<tr>
<td>Selectivity Analog @ 12.5 kHz</td>
<td>65 dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spurious Emission</td>
<td>70 dB</td>
<td>40 dB</td>
<td>45 dB</td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>2.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Receiver</td>
<td>VP6230</td>
<td>VP6330</td>
<td>VP6430</td>
</tr>
<tr>
<td>Spurious Emission</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RF Output Power</td>
<td>1W/6W</td>
<td>1W/5W</td>
<td>1W/3W</td>
</tr>
<tr>
<td>Spurious Emission</td>
<td>70 dB</td>
<td>40 dB</td>
<td>45 dB</td>
</tr>
<tr>
<td>FM Hum &amp; Noise</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audio Distortion</td>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emission Designator</td>
<td>16K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W</td>
<td>16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W</td>
<td>16K0F3E, 14K0F3E, 11K0F3E, 8K10F1E, 8K10F1D, 8K10F1W</td>
</tr>
</tbody>
</table>

#### MIL Standard 810G

- **Low Pressure**: 500.5/ I, II
- **High Temperature**: 501.5/ I, II
- **Low Temperature**: 502.5/ I, II
- **Temp. Shock**: 503.5 / I
- **Solar Radiation**: 505.5/ I
- **Rain**: 506.5/ I, III
- **Humidity**: 507.5/ II
- **Salt Fog**: 509.5
- **Dust**: 510.5 / I
- **Vibration**: 514.6/ I
- **Immersion**: 512.5/ I
- **Shock**: 516.6/ I, IV

#### Encryption Options

- **Supported Encryption**: AES, DES-OFB, ARC4
- **Encryption Key/ Radio**: 126 Common Key Reference (CKR), 126 Physical Identifier, (PID), Compatibly w/ Motorola Key Variable Loader
- **Encryption Frame Re-sync Interval**: P25 CAI 360 MSEC
- **Encryption Keying**: External Key Loader, OTAR
- **Mode**: OFB-Output Feedback
- **Encryption Type**: Digital
- **Key Erasure**: Keyboard Command
- **Standards**: FIPS 46-3, FIPS 81, FIPS 140-2, FIPS 197

**Specifications shown are typical and subject to change without notice. Please check the website for the latest version.**

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