KENWOOD

VIKING®

P25 Mission Critical



Subscriber Overview

KENWOOD Viking® radios are safe and simple to use.

KENWOOD Viking® radios bring together the proven Viking P25 software expertise and KENWOOD's recognized hardware quality and reliability. Viking radios are used throughout the world by police, fire, paramedics, military, and homeland security personnel. We make our radios easier to budget for and buy with our perpetual software license program and Vault™ asset management tool. We use advanced technology like Armada® fleet management and programming software and TrueVoice™ software-based noise cancellation to make them easy to use and easy to maintain. **We make safe simple.**

PERPETUAL SOFTWARE LICENSE PROGRAM & VAULT ASSET MANAGEMENT

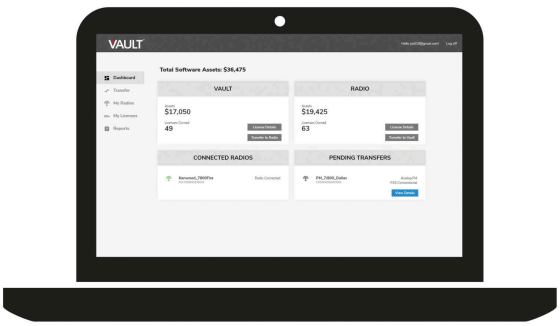
Previously, every time you purchased a P25 land mobile radio you paid for the hardware plus all the software options. In some cases, the software options alone exceed 70% of the radio price. This buying model is outdated, and we think it's time the LMR market catches up to the rest of the consumer market. That's why we introduced the industry's first subscriber radio perpetual software license program, which transforms the way you purchase your radios and adds greater value by extending the life of the software into your next hardware platform — you own the software option forever. Your licenses are easy to manage with Vault, our cloud-based asset management tool.



Software Options Included

The program offers perpetual licenses on commonly purchased public safety software options. The current list-price value of these software options is $1,735. We will continue to expand capability on radios and offer new options.

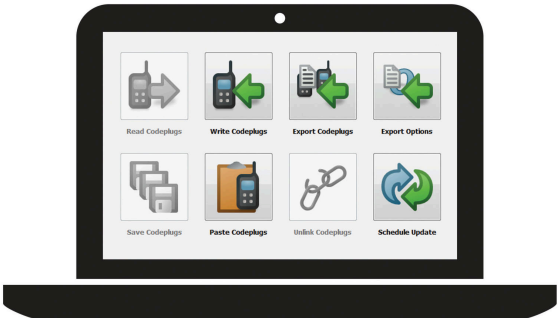
- P25 Conventional
- MDC1200/GE-Star Signaling
- P25 Phase 1 Trunking
- P25 Data Conventional
- P25 Data Trunking
- FIRESafe® Responder
- FIRESafe® Command



Managing Assets with Vault

Designed to enable you to easily transfer your perpetual software licenses, your Vault account also gives you a comprehensive view of your existing KENWOOD Viking radio fleet and all software licenses, including non-perpetual licenses.

ARMADA Fleet Management



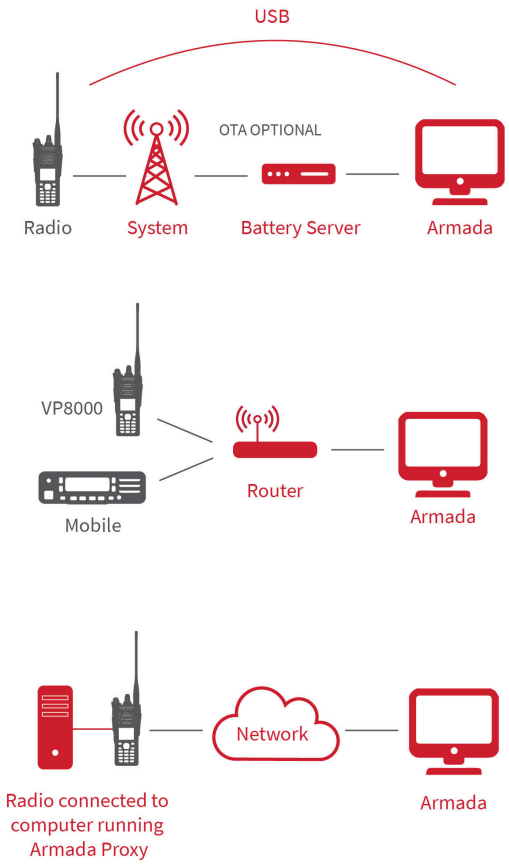
Quickly and easily update and maintain your fleet of radios with Armada, the industry's first fleet management and programming software with the most intuitive user interface.

Armada introduces the concept of templates to fleet management. Each user group can develop a single profile for its specific agency and designate it as a template. The template is linked to the selected agency's radio profiles and then as necessary, Armada will download this information into the Viking radio. Programming changes to agency radios only require an update of the template instead of updating each radio profile. Templates can be copied to create new radio profiles for additional agencies.

For radio programming, Armada supports direct computer connection, Wi-Fi, Bluetooth, Over-the-Internet Programming (OTIP), Over-the-Air-Programming (OTAP), Wide Area Network connection via VPN, and local-to-remote terminal proxy connection (Armada Proxy). With direct link USB connection, multiple radios can connect via a USB hub for concurrent programming. The fleet manager can update all radio profiles and set the computer to Kiosk Mode—a special view of Armada that simplifies radio interaction. As end-users come on shift, they can connect their radio and automatically install the updates, saving substantial time and effort.

Online Armada Training
Comprehensive, self-paced courses available on demand! For more information, visit:
KENWOOD Learning Management System

"The ease of use is just unbelievable and the ability to program multiple radios at the same time while they are in the field has been a huge timesaver."
- Sgt. John Desmond, City of Waterbury, CT Police Department



Elite Battery Management™

Track the health of batteries of your Viking portable radios. Battery health can be reported directly to the operator and battery server. Includes email/text message alerts.

Remote Programming

Program Viking radios remotely using IP-based network services. OTIP works with both wired (Ethernet) and wireless (Wi-Fi) local networks. With the Viking Broadband Data option, VP8000/VM8000 radios can also be programmed over external public networks using a secure VPN.

Armada Server

Armada Server allows multiple radio managers to share a common, centralized database for managing large fleets of Viking radios. Offline mode allows radio managers to work while disconnected from the network and synchronize when reconnected.

Armada Proxy

For fielded radios that may not be within range of a programming site, the user can connect it to any computer running Armada proxy, enabling the fleet manager to program the radio remotely.

Truevoice

To clearly hear the words being transmitted is expected, but to be able to hear the tone of the voice and recognize distress immediately is a true advantage.

TrueVoice software-based noise cancellation works in analog or digital mode, eliminates the need for programming noise profiles, and works with any accessory.



Because it is software-based, TrueVoice noise cancellation is **standard in both KENWOOD Viking portable and mobile radios.**

What people are saying:

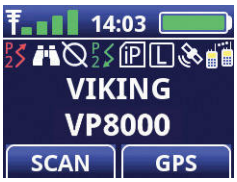
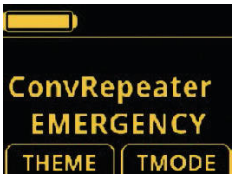
"Our officers complain about digitized voice on other manufacturers' radios. Because of the way the TrueVoice noise suppression works, the officers can hear the voice quality improvement with the Viking radios. Not only can they distinguish who's talking, but also the tone of their voice."

"We have spent hundreds of hours configuring the noise suppression on other radios and it does not match the performance of the Viking."

User-Selectable Color Themes

Eight user-selectable themes are available on Viking 5000/6000/7000/8000 series portables and mobiles. Each theme has a day and night time mode. While all themes have various text and background colors, some elements have the same color across all themes. Emergency calls, for instance, will always be displayed in **orange**. In general, good or enabled items will be **green** (such as a full battery or good signal strength) and bad or disabled items will be **red** (such as a channel being busy).

8 themes available to choose from, including:

DAY MODE	NIGHT MODE	
		**VIKING** (Default)
		**LCH**
		**NIGHT VISION** ▪ Reduces pupil dilation for more effective night operations ▪ Minimizes light pollution for low detection nighttime activity

TOP DISPLAY WITH EVENT INDICATION

COLOR	INDICATION	EXAMPLE EVENT
Green	Good	• Receiving a call successfully • Sending a status successfully
Red	Alert	• Failed registration • Pressing an unprogrammed button
Orange	Emergency	• Declaring an emergency • Receiving an emergency call



Flip display changes text orientation for viewing while in holster

Portable Specifications

	VP5000	VP8000
Frequency Band	VHF, UHF-Lo, UHF-Hi, 700/800 MHz	VHF, UHF, 700/800 MHz
Multi-Band		■
Multi-Protocol		■
Color Option	Black	Black or High Visibility Green
Speaker	1W	3W
Top Display		Multi-line, Full Color
Top Multi-function Switch		■
Water Protection	MIL Standard 810G, IP67/IP68	MIL Standard 810H, IP67/IP68
Hazardous Location Certification	TIA 4950A	TIA 4950A
AMBE+2 Vocoder	■	■
P25 Phase 1 & Phase 2	■	■
Viking16	■	■
DMR Tier 2 & Tier 3		■
NXDN Conventional & Trunking (Type-C)		■
Channel Capacity	1024	1024 (2048; 4096; 6144 option)
MDC-1200 & GE-Star Signaling	■	■
P25 Data (Conventional and Trunking)	■	■
P25 Link Layer Authentication	■	■
Encryption[1]	AES, DES-OFB, ARC4 (ADP compatible)	AES, DES-OFB, ARC4 (ADP compatible)
Over-the-Air Rekeying (OTAR)	■	■
Over-the-Air Programming (OTAP)	■	■
Over-the-Internet Programming (OTIP)		■
Over-the-Air Alias (MFID A4 Compatible)	■	■
Wi-Fi		■
Bluetooth® Programming	■	■
Broadband Data Services / VPN		■
Viking Connect		■
Viking Personnel Accountability	■	■
TrueVoice™ Noise Cancellation	■	■
Internal GPS	■	■
Bluetooth®& Bluetooth Low Energy	■	■
P25 Paging	■	■
Text Messaging	■	■
Voice Recording & Instant Recording Replay	■	■
Man Down	■	■
Enhanced Vehicular Repeater System (EVRS)	■	■

[1] Optional FIPS 140-3 Level 3 Encryption Module available for VP8000



VP5000 Single Band



VP8000 Multi-Band

VM7000 All-Band (Multi-Deck)



VM6000 Single Band



VM5000 Single Band



VM8000 All-Band
(Multi-Deck configuration optional)



KCH-21 Handheld Control Head



VM6000 / VM7000 / VM8000

KCH-19 Basic Control Head



VM5000 / VM8000

KCH-20 Full-Featured Control Head



VM6000 / VM7000 / VM8000

Mobile Specifications

		VM5000	VM6000	VM7000	VM8000
Frequency Band		VHF, UHF-Lo, UHF-Hi, 700/800 MHz	VHF, UHF-Lo, UHF-Hi, 700/800 MHz	Low band, VHF, UHF-Lo, UHF-Hi, 700/800 MHz (up to 4 bands/decks)	VHF, UHF, 700/800 MHz
Control Head Options:	KCH-19 Basic	■			■
	KCH-20 Full-Featured		■	■	■
	KCH-21 Handheld		■	■	■
Mounting Options		Dash or Remote	Remote	Remote	Dash or Remote
Dual Control Head Support		■	■	■	■
High Power Option				Low-Band, VHF, UHF-Hi	
Multi-Band Support				■	■
Multi-Deck Support				■	■
Cross-Band Support				■	■
AMBE+2 Vocoder		■	■	■	■
P25 Phase 1 & Phase 2		■	■	■	■
Viking16		■	■	■	■
DMR Tier 2 & Tier 3					■
NXDN Conventional & Trunking (Type-C)					■
Channel Capacity		1024	1024 (2048; 4096; 6144 option)	1024 (2048; 4096; 6144 option)	1024 (2048; 4096; 6144 option)
MDC-1200 & GE-Star Signaling		■	■	■	■
P25 Data (Conventional and Trunking)		■	■	■	■
P25 Link Layer Authentication		■	■	■	■
Encryption[1]		AES, DES-OFB, ARC4 (ADP compatible)	AES, DES-OFB, ARC4 (ADP compatible)	AES, DES-OFB, ARC4 (ADP compatible)	AES, DES-OFB, ARC4 (ADP compatible)
Over-the-Air Rekeying (OTAR)		■	■	■	■
Over-the-Air Programming (OTAP)		■	■	■	■
Over-the-Internet Programming (OTIP)		■[2]	■	■	■
Over-the-Air Alias (MFID A4 Compatible)		■	■	■	■
Wi-Fi		■[2]	■	■	■[3]
Bluetooth® Programming		■	■	■	■[3]
Broadband Data Services / VPN					■
Viking Connect					■
Viking Connect Gateway					■
TrueVoice™ Noise Cancellation		■	■	■	■
Internal GPS[4]		■	■	■	■
Bluetooth® & Bluetooth Low Energy		■	■	■[5]	■[3]
P25 Paging		■	■	■	■
Text Messaging		■	■	■	■
Voice Recording & Instant Recording Replay		■	■	■	■
Enhanced Vehicular Repeater System (EVRS)		■	■	■	■

[1] Optional FIPS 140-3 Level 3 Encryption Module available for VM8000
[2] Remote mount only
[3] Requires an external Bluetooth/Wi-Fi antenna
[4] Requires an external GPS antenna
[5] Not available in multi-band operation

Accessories

| Batteries |

Li-ion - Immersion Rated & FM 3611
or TIA 4950A
NiMH - Immersion Rated

| Chargers |

Single-Bay & Multi-Bay

| Audio |

Bluetooth Accessories
Speaker Mics
Palm Mics
Lapel Mics
Headsets
Surveillance Kits

| Carrying |

Leather & Nylon Cases
Belt Clips/Loops
Retaining Straps
D-ring Swivels
Shoulder Straps & Utility Belts

| Antennas |

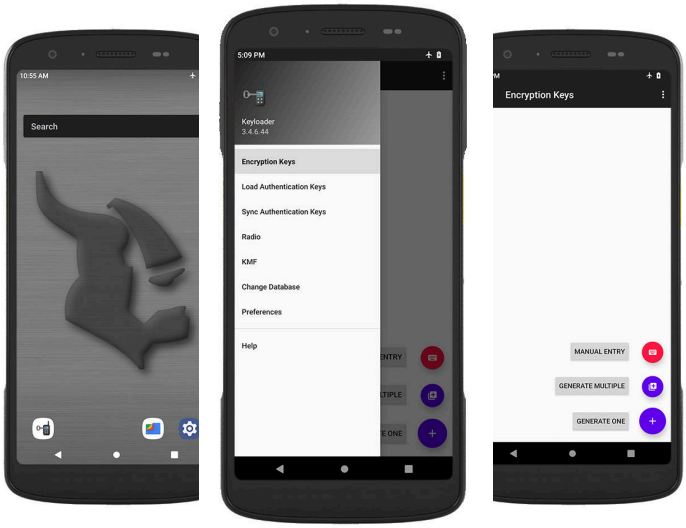
Portable & Mobile Radios

| Programming |

Armada Fleet Management Software

| Keyloading |

Viking VK5000Z Keyloader
Keyloading Cables



To view the complete accessory catalog, please visit:
bit.ly/viking-accessories

Viking

FIRESafe Software

Designed for analog or P25 simplex fireground operations.



Enhances communication awareness in a dynamic fire scene environment, allowing firefighters to **focus on the mission at hand.**

- Establish Commander & Responder Roles
- Set & Forget (single button lock function)
- Out of Range Indication
- Evacuation Alert
- P25 Auto Switch (extends communication range when operating in analog mode)
- Visual & Audible Communication Signal Strength Indicators

Making Safe, Simple™

KENWOOD

a JVCKENWOOD Company

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