KENWOOD | VIKING®

P25 Mission Critical

Subscriber Overview

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.**

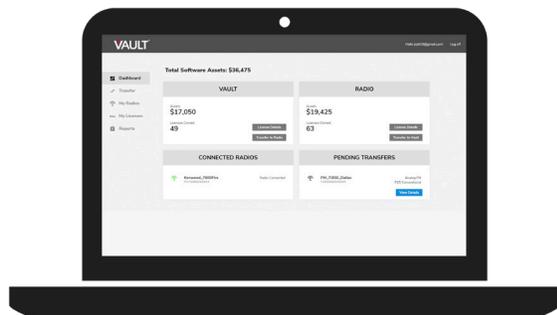## PERPETUAL SOFTWARE LICENSE PROGRAM & VAULT ASSET MANAGEMENT

In the past 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 This buying model is outdated, and we think it's time the LMR market catches up to the rest of the consumer market.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 $2,400. 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
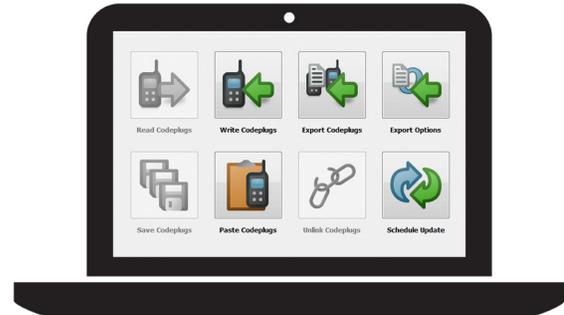

Managing Assets with Vault

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.

Quickly and easily maintain your fleet of radios and update your radio software 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. You can also copy and paste an existing template to create new radio profiles for additional agencies.

For radio programming, Armada supports either a direct computer connection or Over-the-Air-Programming (OTAP). Because the direct link is a USB connection, multiple radios can connect through a USB hub for concurrent programming, which saves substantial time and effort.
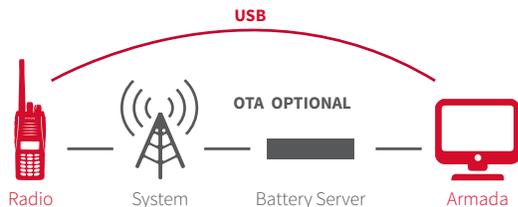
FREE Armada Quick Start Training
Learn the Armada basics in about an hour!
Available to you even before you buy.
bit.ly/armada-quickstart

"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."
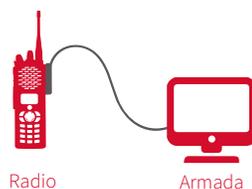- Sgt. John Desmond, City of Waterbury, CT Police Department

Elite Battery Management™
Track the health of batteries installed in your Viking portable radios. Radios can be configured to report battery health directly to the operator as well as to the battery server. Includes email/text message alerts.

Over-the-Internet Programming (OTIP)
Program Viking mobile radios remotely using IP-based network services. Works with both wired (Ethernet) and wireless (Wi-Fi) networks.

Kiosk Mode
A special view of Armada that simplifies radio interaction. Anyone can connect their radio and automatically install any available updates.

TrueVoice

You expect the radio user to be able to clearly hear the words being transmitted, 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.

TrueVoice™
How does it work?

1 Characterize noise frequencies for commonly found noise sources.

2 Extract human voice from noise source frequencies.

3 Transmit only human voice.

Entry Saw Noise

Noisy Environment

Pumper Truck Noise

Ventilation Fan Noise

Only the human voice is received.

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."
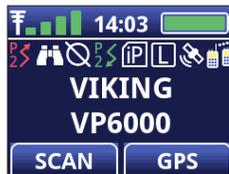
User Selectable Color Themes

Seven user-selectable themes are available on Viking 5000/6000/7000 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, are always displayed in **orange**. In general, good or enabled items are **green** (such as a full battery or good signal strength) and bad or disabled items are **red** (such as a channel being busy).
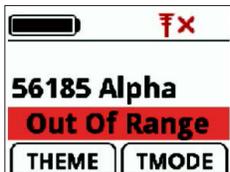
7 themes available to choose from, including:

DAY   ### NIGHT

      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	VP600	VP6000	VP900
Frequency Band	VHF UHF Lo/UHF Hi 700-800 MHz	VHF UHF (380-470 MHz) 700-800 MHz	VHF UHF Lo/UHF Hi 700-800 MHz	VHF/700-800 MHz
Multi-band				■
Speaker	1W	1W	1W	1W
Color Display	■		■	
Water Protection	MIL Standard 810G, IP67	MIL Standard 810G, IP67	MIL Standard 810G, IP67/IP68	MIL Standard 810G, IP67
Hazardous Location Certification	TIA 4950A	FM 3611	TIA 4950A	FM 3611
Channel Capacity	1024	1024	1024 (2048; 4096 option)	2048
Encryption	AES DES-OFB ARC 4	AES DES-OFB ARC4	AES DES-OFB ARC4	AES DES-OFB ARC4
Over-the-Air Rekeying (OTAR)	■	■	■	■
Over-the-Air Programming (OTAP)	■	■	■	■
AMBE+2 Vocoder	■	■	■	■
TrueVoice™ Noise Cancellation	■	■	■	■
P25 Phase 1	■	■	■	■
P25 Phase 2	■	■	■	■
Viking16	■	■	■	■
Internal GPS	■	■[2]	■	■
Bluetooth®	■		■	
Bluetooth® Programming	■[1]		■[1]	
P25 Paging	■		■	
Voice Recording	■[1]		■[1]	
Man Down	■		■	
Enhanced Vehicular Repeater (EVRS) Option	■	■	■	■
Color Option	Black	Black High Visibility Green	Black High Visibility Green	Black High Visibility Green

[1]*Future availability*
[2]*700/800 MHz only*

VP600 Federal Single Band
VP900 Dual Band

VP5000 Single Band

VP6000 Single Band

VM7000 All-Band (Multi-Deck)

VM900 Dual Band

VM6000 Single Band

VM5000 Single Band

Standard Control Head

VM900

Basic Control Head

VM5000

Viking® Handheld
Control Head

VM6000

Viking® Control Head

VM900/VM6000

Full-Featured Control Head

VM7000

Mobile Specifications

	VM5000	VM6000	VM900	VM7000
Frequency Band	VHF UHF Lo/UHF Hi 700/800 MHz	VHF UHF Lo/UHF Hi 700/800 MHz	VHF/700/800 MHz	Any combination of up to 4 bands

Control Head Options:

	VM5000	VM6000	VM900	VM7000
Standard			■	
Basic	■			
Viking		■	■	
Full-Featured				■
Handheld		■		
Mounting Options	Dash Remote	Remote	Dash Remote	Remote
Dual Control Head Support	■	■	■	■
Multi-Deck Support				■
Color Display	■	■	■	■
Channel Capacity	1024	1024 (2048; 4096 option)	2048	1024 (2048; 4096 option)
Encryption	AES DES-OFB ARC4	AES DES-OFB ARC4	AES DES-OFB ARC4	AES DES-OFB ARC4
Over-the-Air Rekeying (OTAR)	■	■	■	■
Over-the-Air Programming (OTAP)	■	■	■	■
Over-the-Internet Programming (OTIP)	■[1]	■	■	■
Wi-Fi	■[1]	■	■	■
AMBE+2 Vocoder	■	■	■	■
TrueVoice™ Noise Cancellation	■	■	■	■
P25 Phase 1	■	■	■	■
P25 Phase 2	■	■	■	■
Viking16	■	■	■	■
Internal GPS	■	■	■[2]	■
Bluetooth®	■	■		■
Bluetooth® Programming	■[3]	■[3]		■[3]
P25 Paging	■	■		■
Voice Recording	■[3]	■[3]		■[3]
Enhanced Vehicular Repeater (EVRS) Option	■	■	■	■

[1]Remote mount only.
[2]Requires external GPS receiver.
[3]Future availability.

| 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
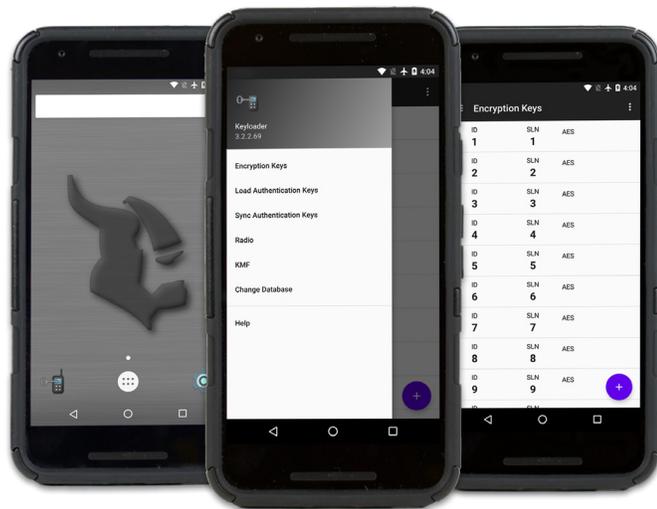Shoulder Straps & Utility Belts

| Keyloading |

Viking VK5000 Keyloader
Keyloading Cables

| Programming |

Armada Fleet Management Software

| Antennas |

Portable & Mobile Radios

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 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 | VIKING®