

Viking Subscriber Software 21.1.1 Maintenance Release

Effective Release: May 23, 2022

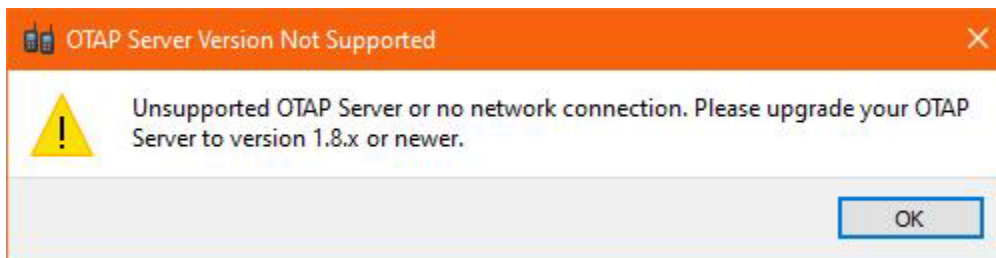
FSN-0522-VIKING-22

This Field Software Notice (FSN) describes the KENWOOD Viking® subscriber software version 21.1 point release 1. This release provides minor feature enhancements and resolutions for Viking radios, plus includes an important update for the Viking OTAP Server users. This release supersedes KENWOOD Viking software release 21.1 for VPx000 and VMx000 series radios and the Armada Software Suite.

Note: The general release for 20.1 and its subsequent maintenance updates will remain the current release for VPx00 and VMx00 radio firmware (8.30.x version levels). After this release cycle, most new features are not being extended to the 100 series radio platform. However, minor changes may continue to be supported as incremental releases to 20.1 for these radios. See incremental 20.1 maintenance field software notices for further details. Armada continues to support the VPx00/VMx00 radios.

Issue Notification: Viking OTAP Server

Armada users connecting to OTAP Server will receive the below error notification as of May 20, 2022, and will be unable to perform OTAP operations. The OTAP Connection Test will also fail.



Please upgrade OTAP Server and Armada to the versions listed in this notice or later to resolve this issue.

For questions regarding this Field Service Bulletin, please contact the KENWOOD Viking team at 1.800.328.3911, option 3.

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Software Versions

The following table capture the Viking Software items and corresponding versions included in this release.

Item	Version
Armada Client	1.34.16
Armada Server	1.34.16
Armada CD ISO	1.34.16
VP5000/6000 Firmware	8.34.17
VM5000/6000/7000 Firmware	8.34.17
Elite Battery Management Server	1.24.01
OTAP Server	1.34.2

Feature Enhancements

The following feature enhancements are available in the 21.1 point 1 release. These augment existing functionality in the subscribers and/or supporting applications.

Feature Description	Overview
KWD-AE30K Firmware Update	The KWD-AE30K Encryption Module has received updated Cryptographic Module Validation from NIST under FIPS 140-2 certificate #4219. This Firmware Update includes improvements to prevent a rare unintended loss of encryption keys.
P25 Conventional Interconnect Enhancements	Various improvements for P25 Conventional Interconnect including timeout timers and call handling. Updated user interface for consistency with P25 Trunking Interconnect.
P25 Conventional Interconnect Number Length	Armada now allows P25 Conventional Interconnect over dial and phone numbers to be up to 34 digits long in the phone list. In Viking16 systems, it will still limit to 10 digits for over dial and 16 for phone numbers.
VM7000 MultiBand Mode Enhancements	Improved power-on and power-off behaviors with data registrations on secondary bands.
Handling of Multiple Two-Tone sequences	Added a capability to the P25 Two-Tone Decoder in Trunking to allow decoding of multiple sequential tones within the same transmission.
EBM Firewall rules	Minor improvements in firewall rule handling for Elite Battery Management server for stability in virtualized environments.

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Customer Issues Addressed

Following is a list of the customer-impacting issues that have been resolved in the 21.1 point 1 release.

Issue	Overview
OTAP Server Connection Failure	A security certificate expired for the OTAP Server software as of May 20, 2022. Armada will report an OTAP Server Version error with the message "Unsupported OTAP Server or no network connection. Please Upgrade your OTAP Server..." and the OTAP Connection Test will fail. This version of OTAP Server and Armada corrects the issue.
Missed Emergency Alert on Traffic Channel	Added support for a previously unsupported Emergency Alarm message format from another manufacturer.
Handling of Invalid Two-Tone	If the radio received an invalid two-tone sequence prior to a valid sequence in the same transmission, the valid sequence would get ignored. This has been addressed, and the radio will unmute when a subsequent valid sequence is received.
Emergency call handling with security override	In a specific system configuration, PTT was being denied during Emergency when the Channel had Security Override Set. This fix forces the use of Talk Group security settings versus override settings during Emergency for this scenario.
Armada invalid analog channel config handling	Armada could throw exception errors on startup if the database contained radio codeplug containing an invalid analog channel configuration. This has been corrected.
Armada Server Synchronization issue	Full synchronization of a 21.1 Armada client from an Armada Server that did radio option upgrades in the 20.2 timeframe may fail. This has been corrected.

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