

Viking Subscriber Software 18.2 Release: November 2018

Effective Release: 11/01/18

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This Field Software Notice (FSN) announces the KENWOOD Viking® subscriber software version 18.2 release. This release provides new features and bug fixes for Viking radios. This release supersedes KENWOOD Viking software release 18.1 point.

Software Versions and Part Numbers

The following table capture the Viking Software versions and corresponding part numbers.

Item	Version
VP600/900 Firmware	8.24.9
VM600/900 Firmware	8.24.9
VP5000/6000 Firmware	8.24.9
VM5000/6000/7000 Firmware	8.24.9
Armada	1.24.9
OTAP Server	1.24.3
Data Registration Server	1.16.0
Elite Battery Management Server	1.12.1

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

Features Added

Following new features are added in the 18.2 release.

Feature Description	Overview
Audio Recording	Audio Recording is a licensed feature and available only on 1000-series radios. This feature allows the radio's received and transmitted audio to be logged for future retrieval via the Audio Recording Manager in Armada. When optioned and enabled, audio from all protocols is saved to the SD card on the radio in the /mnt/extra/user_data/audio_recording directory.
Instant Recording Playback	Instant Recording Replay (IRR) is a licensed feature and available both on 100 and 1000 series radios. It allows the radio user to playback recent audio. IRR is optioned and enabled separately from Audio Recording, and so Audio Recording does not need to be optioned or enabled for IRR to work.
Emergency Hot Mic Cycle	This features allows the radio to cycle between emergency hot mic transmit and receive modes based on a timer.
SM8 Microphone Support	The SM8 3-Button microphone is supported for VPx000 radios. All three non-PTT buttons may be programmed. The microphone is only supported on the VP5000 and VP6000 radio. This mic is not available for purchase from EFJohnson.
Monitor Rx Momentary Button	A new button to momentarily unscquelch the radio on conventional systems has been added called "Monitor Rx". The preexisting "Monitor" button was unchanged.
Link Single Band Templates to Dual Band Radios	Single band templates may now be linked to dual band radios when the template's band is one of the radio's two bands.
Create Single Band Templates from Dual Band Templates	When duplicating a dual band template, you have the option of converting it to a single band template. Systems whose band is no longer valid will be removed, along with their dependencies.
European Standard Support	Minor tuning changes are needed for radios in countries that use ETSI EN 300 086. A radio option activates these tuning changes.
Revert on Second Home Button Press	Pressing a button programmed to one of the five home channels a second time while still on the programmed home channel will cause the radio to revert to the channel it was on prior to the first press of the home button.
Armada Auto-Shutdown	Armada may shut itself down after a predefined period of inactivity. Once shutdown, the database file will be unlocked and available for another user. This is useful when users are using a networked database

Feature Enhancements

The following feature enhancements are available in the 18.2 release.

Feature Description	Overview
Increased Single Touch List	Single touch lists have been expanded to support eight single touch buttons. See section 5.1 of the Single Touch Feature FDD for more information.
Disable the Viewing of ARC4 Keys in Armada	A password may be set to view the software keys (ARC4 keys) of a profile in Armada.
Mute External Speaker for Selected Deck	Some customers require the selected deck audio and the unselected deck(s) audio to be output on different speakers when in a multi-deck configuration. This parameter mutes the external speaker on the selected deck so the external speaker outputs can be directed to an unselected deck speaker. Selected deck audio is available from a connection on the control head.
GE Star IDs	The existing conventional analog signaling GE Star IDs are now treated as IDs. They are now configurable on codeplugs links to templates.
Multideck Mute Indicator	Extra notification was added for muted radios in a multideck setup.
Nuisance Delete Restore Setting Added to Trunking Systems	The Nuisance Delete Restore setting has been added to both trunking systems. Previously this setting was only for conventional systems. See the 18.1 FDD for functionality details.

Customer Issues Addressed

Following is a list of customer impacting issues that are resolved in the 18.2 release.

Issue	Overview
Add GPS Horizontal Accuracy to Armada Triggers	Added GPS horizontal accuracy to data sent out through an Armada GPS trigger.
Print Errors	Solved printing error related to: <ul style="list-style-type: none">• KCH-19 function button stickers• Soft button tables for VCH and KCH-19• Menu and soft button entries for VP6000
Radio Detach OSP	Upon receiving the OSP, the radio will now simply clear its registration status and idle on the control channel.
Two Tone AND Mode Alert Tone Change	There is a new Alert tone for when users have their two tone decoder set for AND mode. The new tone was selected based on customer feedback and will continue to play until the user provides input. This applies to Analog, P25 Conventional, and P25 Trunking Two Tone Decode.
RX Audio Output Clipping	The audio was being clipped inside the Codec. There are several stages of audio processing inside the audio Codec, and by switching which stages the gain was applied the clipping was eliminated.
KCH20 Not Following Volume Button Settings on Boot	The last volume button setting and the volume knob setting are sent on CH registration. The selected radio will pick which one to use based on the volume button settings in the codeplug.
OTAP Operation Fails Quickly with "Connection to OTAP radio lost"	OTAP was sometimes successful but would often fail quickly with Armada reporting the error "Connection to OTAP radio lost". To eliminate the issue we changed how Armada waits for TCP connection completion so it can better tolerate slow connections.
Allow UHF Amateur Frequencies to be wideband	Frequencies in the UHF Amateur band 420-450 MHz are now allowed to be configured in Armada as wideband channels.
Support for IDA 21-48 RTP on P25 Trunking Systems	A customer had issues with their IDA 21-48 RTP device on an EFJ P25 Trunking system. EFJ implemented changes to go along with IDA changes. If customers need this IDA device on a trunking system they will want this version of EFJ firmware as well as the latest IDA firmware.
Remote Access button turns off scan on SVRs	The Remote Access function enables and disables a connected Pyramid vehicular repeater. If the Pyramid device is an EVRS model, the subscriber needs to stop any active scanning before enabling the EVRS. If the Pyramid device is an SVR model, the subscriber should NOT force scan off. This change fixes an issue where the subscriber was forcing scan off when connected to SVR models.