

# 14.1 Subscriber Software General Release

Effective Release: 08/25/14

**FSN-0814-VIKING-03**

This Field Software Notice serves to announce EFJohnson's Viking radio software 14.1 general release. This software release supersedes previous radio software versions associated with 13.2. This is a major software release that adds support for the Viking Mobile and addresses issues and enhancements in the 13.2 releases.

	Version	Part Number
<b>Viking Firmware Image</b>	8.10.29	023-5796-20009
<b>Armada Client</b>	1.10.24	023-0601-20012
<b>Armada Express</b>	Discontinued	n/a
<b>Viking Tune</b>	1.10.20	023-0603-204
<b>SMA (Key Loader)</b>	1.4.1	n/a

## 14.1 General Release – New Products

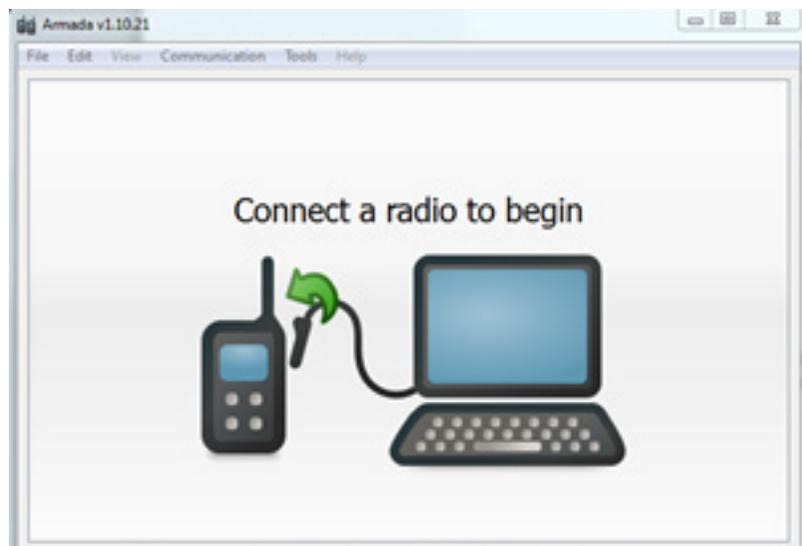
### Viking Mobile VM600

Provides Viking Mobile support in the 700/800 MHz frequency band for Analog, SmartNet/SmartZone, and P25 Phases 1 & 2, system operation. Access the product sheet for the VM600 at this address: <http://www.efjohnson.com/products>.

### Armada Kiosk Mode

A view mode from Armada which allows end users to simply connect and update their radio. No codeplug settings, information, or access is available from Kiosk mode. It is intended to be used on a laptop/workstation available to end users (but remote from the radio shop).

Kiosk mode is an optional feature of Armada and can be locked from returning to normal mode via password protection.



## Viking Audit Log

Each Viking radio now stores a historical log of programming which can be accessed from Armada. Information available in the log includes Timestamp, type of write applied (codeplug, security policy, options, or firmware), Radio version at time of write, Armada version used for write, and RSD used.

## RSD Expiration Date

The radio security device (RSD) can now have an expiration date applied to limit future use if lost or stolen. Expired Master RSDs must be sent back to EFJohnson for reprogramming or the user must order a new copy. The expiration date of a slave RSD cannot exceed the date of the master RSD.



The RSD is used for codeplug security (radio enforced programming security) and enhanced system key (ESK) functionality (Armada enforced programming security).

## First Zone/Channel Audio Alert

When enabled from Armada, this feature emits an audible tone (1500 Hz for 50 ms) when the first zone in the zone list, or first channel in a zone, is reached. This feature only occurs with button presses (Navigation pad or when a function button has been programmed for Zone Up or Zone Down).

## Programmed Channels Only on Display

This feature is specific to customers who use the navigation pad to change channels (as opposed to using the Channel Select knob.) When enabled from Armada, this feature will skip any unprogrammed channels in a zone and only display programmed channels in that zone.

## P25 Messaging

Supported in P25 only, this Armada configured optional feature allows the user to send a Message to a specific Unit ID. This is a two-step feature where the user must select/enter the destination Unit ID and then select a predefined message to send.

## Speaker Microphone Disconnect Alarm

This Armada checkbox enabled feature will provide users with an alarm if their speaker microphone becomes disconnected from their Viking portable radio. The alarm will provide a voice announcement "Speaker Microphone Disconnected".

## Third Party Interface Option

An option has been added to restrict access to various external Viking Mobile radio commands. This Option will be an orderable option from EFJohnson. The addition of this Option will allow EFJohnson to better communicate changes to 3rd party vendors impacted by ongoing software enhancements.

## Application Kits

Application Kits includes software and cables (if applicable):

- **Armada**

	Product Application	Part Number
<b>Armada Kit, Viking Radio Series</b>	Viking Portables	250-0600-70012
<b>Armada Kit, Viking Mobile Series</b>	Viking Mobiles	250-0600-78811
<b>Armada Kit, Viking Portable and Mobile</b>	Viking Portables + Mobiles	250-0600-79911

- **Viking Tune**

	Product	Part Number
<b>Viking Tune, Radio Tune SW Kit</b>	Viking Portables	250-0600-75003
<b>Viking Tune, Mobile Kit</b>	Viking Mobiles	250-0600-60011
<b>Viking Tune, Portable &amp; Mobile Kit</b>	Viking Portables + Mobiles	250-0600-69911

## 14.1 General Release – Viking Radio Enhancements

### Authentication without Encryption Options

This feature allows the use of the P25 Authentication features of the radio without the need of the AES or DES options. Existing customers using P25 Authentication were not impacted in previous radio versions as Single Key DES-OFB is provided free of charge with each radio from EFJohnson.

### Transmit/Receive Icons

This optional feature enabled in Armada, allows the user to enable transmit and receive icons on the display for all transmits and receives. The Icons show users what type of transmit or receive is taking place. The table below shows the different transmit/receive icons.

Icon	Description	P25 Phase 1 Trunking	P25 Phase 1 Conventional	P25 Phase 2	SmartZone
	Indicates that the radio is making a call.	X	X		X
	Indicates that the radio is receiving a call.	X	X		X
	Indicates that the radio is making a call.			X	
	Indicates that the radio is receiving a call.			X	
	Indicates that the radio is making a Failsoft call.	X		X	X
	Indicates that the radio is receiving a Failsoft call.	X		X	X

Zone Fail Site Lock feature has been removed and is no longer available.

## **Boot Time Improvements**

Reduced the time to boot up from power off. Where boot time is critical, EFJohnson recommends customers evaluate standby mode feature.

## **Inter-WACN Roaming**

Inter-WACN roaming is enabled via Armada. These enhancements are for ISSI connected systems where radios must operate on both the home and ISSI connected systems.

- Wide area talk group: Allows radio to make a group call on the ISSI connected (not home) system.
- Wide area Unit Calls: Allows radio to make a unit call on the ISSI connected (not home) system.
- Roaming Preferred Site List: Allows the setting of preferred site information for sites from the ISSI connected system (sites which are not members of the home system.)

## **ARMADA ENHANCEMENTS**

### **Menu Enhancements**

Optional feature that allows the menu to open in the same place that it was when the application was closed.

### **Fleet Pane**

Extended the functionality of the fleet pane to accommodate very large fleets. Changes include adding a Label column which is filterable/editable by the programmer.

Renamed "Lock Channel Indicator" to "Force Selected Zone/Channel ID's". This optional checkbox in Armada always shows the selected channel number on the right hand side of the radio display. The alphanumeric portion of the display shows the active channel.

### **RF Deck Part Numbers**

Armada's radio information/properties dialog shows RF Deck part numbers for 8.10.x radios and above.

### **Security Policy**

Limits who can view or edit a profile. Allows a system administrator to send a codeplug to a different system's administrator for programming while restricting access to the original profile. This feature allows owners of different systems to program the same radio without being able to access each other's parameters.

### **ESK Restriction**

Channels Lockout: Enforced on a slave ESK, this feature prevents channels belonging to the system from being edited or viewed.

### **System Lockout to Hide System Parameters**

Hides all system parameters (except for system ID/WACN and unit ID) when system lockout is set. This is guaranteed to be enforced on 8.10.x and newer radios. 8.8.x and older radios connected to 1.8.x Armada or older will not hide system parameters when system lockout is set.

### **Voice Announcement OTAP Enhancement**

This feature allows customers to add, change and remove voice announcements via OTAP, provided that file transfer limits are respected. This OTAP enhancement only programs changes to the existing codeplug instead of requiring a full (or all) voice annunciation files to be transmitted.

## 14.1 General Release – Windows Support

### **14.1 will be the last Viking software release supporting Windows XP and Windows Vista operating system**

Due to Microsoft's formal discontinuance of Windows XP in April of 2014 and the pending end of support for Vista, EFJohnson will not support Windows XP or Vista in the next Viking release (15.1.) For further information on the Windows XP end of support see <http://www.microsoft.com/en-us/windows/enterprise/end-of-support.aspx> This notice is intended to provide customers sufficient time to migrate to Windows 7 or Windows 8.1.