



7100 Technology Drive  
West Melbourne, FL 32904  
1-800-422-6281

# Service Bulletin

BKSB-1047  
Issue Date 1/30/2017



**Issue:** Update - Firmware (Ver. 5.5.0a)

**Importance:** Recommended but not required

**Affected Models:** KNG-Pxxx, KNG2-Pxxx, KNG-Mxxx, KAA0660, and KAA0670.

**Recommended Action:** Update as required. The features and fixes are listed below.

**NOTE: THIS BULLETIN DOES NOT APPLY TO KNG-S MODELS**

**Added/Updated radio features:**

## Features

### General:

KNG2: Added the ability to set local time zone by adding UTC offset to the GPS UTC time

### Portable:

Provided support for 3-way toggle switch

### Mobile:

Added MSAT activation/deactivation function to a function key  
Added Public Address (PA) support

### HCH and RCH:

Added Public Address (PA) support in RCH KAA0660  
When querying version, proper device type is reported

### Conventional:

Added talkback encryption based on the collar switch setting and not just by the talkback scan setting  
Set as default the talkback encryption based on the collar switch setting  
Re-implemented Global Squelch Adjust  
Added the ability to switch "on/off" the Vote Scan function  
Re-implemented Vote Scan as an option  
Set "Global Conv. Keypad Editing Lockout" to "on" for default

### Trunking:

Added support to handle UTC offset for Date and Time packets that don't have the local time offset  
Added support not to display duplicate messages with message updates  
Added multiple attempts to obtain and IP address for trunked data  
Added PTT priority over messages  
Added the ability of RX Voice not to be interrupted by various alert tones



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Added the ability to have encryption settings for unit calls

## Bug Fixes

### General:

- Fixed "garbled" encrypted audio at the beginning/end of RX
- Fixed no error tone or message while changing secure TX mode on a non-selectable channel
- Fixed Voice Encoding Ignored while on a Trunking Channel
- Added "Vote Scan" enable to the persistent setting length
- Fixed transmit clear when radio is set to secure transmit mode
- Fixed condition where the RX audio is not coming from the speaker when a qualified signal is received
- Fixed file system error on power-up
- Fixed the ability to toggle surveillance via the menu when surveillance mode is strapped to a channel
- Fixed "audio squawk" when using button combination when zeroizing keys
- Fixed timeout occurrence when RES write and "Configuring Radio" is being displayed
- Fixed unit call secure setting to not be selectable if strapped to "clear" or "secure" setting
- Fixed NAC code programming while in the keypad programming menu

### Portable:

- Fixed loud open mic. sound when "Battery Life" menu is programmed to a button and it is selected
- KNG2: Fixed backlight setting related to permanently off

### Mobile:

- Fixed soft lockup on RX-only trunking system when pressing PTT rapidly
- Eliminated the failure to update the control head screen after plugging remote in after power-up

### HCH and RCH:

- Fixed display freezing when alternating legends are being used
- Fixed issue when mobile to control head audio would be muted when receiving a valid RX signal.

### Conventional:

- Fixed the display of "Emergency" in place of displaying RX/TX pick list
- Fixed Zone Cloning Failure with specific code plug
- Fixed talkback encryption with talkback channel and not to channel knob setting
- Fixed TX/RX key display line not correctly updating when scanning is enabled
- Fixed to display "Emergency" message and senders ID when receiving an RX alert tone
- Fixed not to select voted channel that is not in the selected group
- Fixed blank display on Channel Scan List after Vote Scan disable
- Added notification to user when Vote Scan is disabled



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Fixed displaying wrong transmit key during Emergency revert channel

Fixed Emergency Alarm to not work with incorrect NAC

Fixed cloning issues when cloning to legacy units

Fixed the microphone "offhook monitor" state when mic. is connected to RCH or Main RF deck when a HCH or RCH is attached

Eliminated the KNG's to lockup when cloning from a KNG-PxxxS

## Trunking:

Fixed PTT bounce causing no TX

Fixed lock-up due to quickly attempting to transmit while "System Resources" are not available

Fixed Site Affiliation Alias Display line with correct site

Fixed the ability to still display the GPS coordinates even though the trunking site does not support GPS

Fixed "Failsoft" failure between firmware versions 5.4.15 and 5.4.16

Fixed radio not booting when programmed with >255 trunking scan entries

## DFSI:

Fixed LED consistency while in DFSI mode

## GPS:

Save the time after a manual entry through the power cycle

## Bluetooth:

Fixed OTAR messages not passed off to the proper class when sent over Bluetooth

## Radio Firmware Update

### Parts and Equipment Requirements:

1- KAA0710 Programming Cable

1- Firmware Update from RELM.com

### Procedure:

- 1) Verify the radio firmware revision installed in your KNG.  
Select "Versions" from the radio menu.  
Update radios whose software version is less than 5.5.0a.
- 2) Download and install the KNG Field Update 5.5.0a for your portable, mobile, remote mount control head or handheld control head from the service section of the [www.relm.com](http://www.relm.com).

Shortcut: [http://www.relmservice.com/products/BK\\_Digital.asp](http://www.relmservice.com/products/BK_Digital.asp)



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### **RES Software Update (Also see Service Bulletin BKSB-1048)**

**RES is a new radio editor that is replacing NeoVision.** RES Ver. 5.5.0 will read "code plugs" that were generated with firmware version 5.0.0 or later. If a code plug was generated with firmware Ver. 5.0.0 or later, then the code plug will be updated to Ver. 5.5.0 format when read.

Customers with a registered copy of the radio editor can download the latest release from the service section of relm.com by entering a valid serial number on the Software Update page.  
<http://www.relmservice.com/software/update.asp>

Authorized customers can download the updated version by logging in prior to navigating to the software section of the website.

The latest revision may also be purchased from your RELM/BK Radio dealer or directly from RELM Wireless at (800) 821-2900