

## KNG Firmware Releases

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Release	KNG-Pxxx Portables	Ver. 5.0.0
	KNG-Mxxx Mobiles	Ver. 5.0.0
	KAA0660 Remote Control Head	Ver. 5.0.0
	KAA0670 Handheld Control Head	Ver. 5.0.0
Minimum	Neovision Editor KAA0732	Ver. 2.0.0
	Neovision ASK Editor KAA0735	Ver. 2.0.0

## Features

### TDMA Support

TDMA: group regroup & dynamic regroup  
P25 Trunking: OTAP read enhancement  
P25 Trunking: Static SNDCP Data Registration  
P25 Trunking: Forced System Reset  
P25 Trunking: Enhanced Roaming  
P25 Trunking: Roaming Notifications  
P25 Trunking: Failsoft by Personality  
Conventional: Add "radio name" display choice to programming/cloning  
Add ability to display radio name/alias instead of UID  
Make low battery warnings selectable  
backlight toggle incompatibility  
Make RCE crypto work with TDMA  
Add trunked DTMF all-call alert to sentinel operation  
Return to last active RX channel when exiting scan  
Single button channel scan + priority scan  
Make secure LED operation the same for trunking as it is for conventional  
After Keypad select of 'Backlight off', backlight continues to operate for key presses  
Automatically translate trunked call alerts for multiple unit IDs to DTMF alerts  
Add AlgID + KeyID for RX of key not in alias table  
Keypad programming should allow deletion of command zones  
Picklist cloning should include Two-Tone, MDC and DTMF lists  
Add call alert UI support on the HHCH  
Change MDC encode features to allow hex input  
Add MDC inhibit & uninhibit encode operation  
Add HHCH speaker parameters to keypad programming  
Conventional P25 call alert support for group addresses  
MDC call alert & voice selective call encode  
Display useful message if Warm-Start store key fails

## Bug Fixes

Incorrect priority scan indicator  
P25 Trunking: Lockup if improperly programmed  
P25 Trunking: busy UI state not updating properly  
P25 Trunking: Group Regrouping Denies in Australia  
P25 Trunking: Site Search soft key assignments incorrect  
P25 Trunking: dual mode scan nuisance delete bugs  
P25 Trunking: site affiliation display incorrect  
P25 Trunking: False PTT  
OTAR: KMM responses aren't sent while scanning  
Dual Mode Scan: Lockup when turning scan off/on while receiving/transmitting  
Dual Mode Scan: Speed up conventional scanning  
Dual Mode Scan: Errors when removing all trunking channels from list  
Conventional: Scan lockup  
Conventional: scanning quits  
Conventional: channel busy fails when set to status symbol  
Conventional: RX is interrupted by unit call selection  
Conventional: priority conv scan lockup

Conventional: TX 2-tone w/ tone B = 0 causes TX lockup  
 Conventional: 2-tone TX menu item cut-off on portable  
 Conventional: priority scan failure  
 Conventional: PRI 1 takes too long to override PRI 2  
 Conventional: secure strapped revert emergency call keyfail lockup  
 Conventional: scan deactivation causes icons to stick  
 Conventional: busy channel lockout fails for digital  
 Conventional: encryption LED fails during scan  
 Conventional: NAC picklist shows empty entries  
 Conventional: simultaneous cloning causes lockups  
 Conventional: cloning failure causes lockup  
 Conventional: keypad programming prohibits TGID=0  
 Conventional: zone scan fails on non-sequential zones  
 Conventional: RX mode icon wrong if RX dequalifies  
 System calls causing mobile sluggishness  
 Flashing the radio with all 5 images causes splash screen to stick  
 Mobile menu can get stuck  
 Busy channel lockout (carrier) failure with active channel  
 SLN=0 causes various problems  
 GPS coordinates not displayed properly  
 TX secure behaves erratically  
 P800 always aligns RSSI scale to the same number  
 Sentinel DTMF ID of 0000 results in indefinite tx  
 Manual two-tone signaling causes transmit stick on the mobile  
 Conventional data messages do not check receive mode  
 Offhook scan enable should be made independent of the offhook monitor option  
 Display of my own UID is not always correct  
 Radio goes into Monitor Mode inadvertently  
 If System Priority and Zone Priority point to the same channel, Priority doesn't work  
 MDC signal causes transmit stick  
 Failed P25 call alert "OK" button leaves you in a menu you cannot escape from  
 Digital RX causes unqualified UI indications after end of message  
 Voice mute icon does not always display for automatic voice mute  
 Backlight during scan comes on more often than it should  
 Enabling conventional scan and dual mode scan at same time  
 Priority scan fails if Pri1 is system-based  
 Encryption will do a "Key Fail" with tone on first PTT only

#### KNG Firmware Releases

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Release Portable/ Mobile	4.6.2
Control Head/ HCH	4.6.2

Minimum Neovision Editor Rev. 1.5.0

#### Features

P25 Trunking - Dynamic Regroup  
 Display MDC ID's as decimal as an option  
 Support MDC group, fleet & wildcard addressing  
 Support long block MDC  
 Enable ID alias lookup for MDC signaling  
 Stop premature low battery during TX with IS pack  
 No keypad editing lockout for call list picklist  
 Rapid scroll feature needs to be added to trunking  
 Add Clear Tx Beep to Mixed Mode Analog Tx  
 Add mobile accessory output option for transmit indication  
 Automatic voice mute per-channel  
 Add alternate display line options



Add Trunking wide area single site support  
 Add Allow Vote scan list selection

Enhance Additional keypad programming functions  
 Enhance Show/Hide own Unit ID when Unit ID is programmed as display item  
 Enhance Allow squelch adjustment per channel  
 Enhance Legacy cloning operation  
 Enhance Expanded two-tone notification timing  
 Enhance Trunked preferred site operation  
 Enhance OTAR: Multiple group RSI support

Fix Changed preset squelch value to allow audio at lower signal level  
 Fix Allow Tx/Rx while in menu operation

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Release Portable/ Mobile 4.4.0  
 Control Head 4.4.0

Minimum Neovision Editor Rev. 1.4.17

Add MDC Support  
 Add Command Zone Operation  
 Add Messaging Capabilities  
   Text Messaging  
   User Status Messaging  
 Add Paging and Call Alert  
   Two-Tone Paging  
   DTMF Paging  
   MDC1200 Paging  
   Call Alert Paging  
   Radio Check  
 Add Radio Inhibit/Uninhibit  
 Add Enhanced Lockout Feature Set  
 Add Auxiliary Input/Output Functions for mobile

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Release Portable/ Mobile 4.02.16  
 Control Head 4.02.11

Minimum Neovision Editor Rev. 1.4.15

Add Display 'Call Alert Successful message  
 Add P25 Trunk Unit Call messages  
 Add Conventional scan preamble for TSBK ISPs and Data  
 Add RCII Diagnostic Send ISP capabilities  
 Add Allow RX audio while in sub-menus  
 Fix Conventional emergency channel selection  
 Fix Talkback encryption key  
 Fix Disable battery monitor during transmit  
 Fix OTAR MAC calculation interference with conventional channel encryption operation

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Release Portable/ Mobile 4.02.15  
 Control Head 4.02.11

Required Neovision Editor 1.4.12

Fix Site trunking to wide area trunking transition

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Release Portable/ Mobile 4.02.13  
Control Head 4.02.11

Required Neovision Editor 1.4.12

Add Conventional OTAR capabilities

Fix Trunking OTAR: Reestablish key conditions once radio is rekeyed

Fix Minnesota Trunking: Inhibit after an emergency fix

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Release 4.02.12

Required Neovision Editor 1.4.8

Add Add wait/add identifiers if not present during control channel validation  
Enhance Status Update Enhancements

Fix Radio displays DSP Error 1 after NeoVision download/power cycle.

Fix Trunking Scan Lockup

Fix Harris P25 Trunking: OTAR Registration

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Release 4.02.08

Required Neovision Editor 1.4.7

Add Keypad Select assigned in menu and button

Add DSP: Add eeprom protection

Add Mobile: Add backlight level menu settings

Add P25 Trunking Emergency Call Cancel

Add Trunking Unit Call without availability check (Harris)

Add Trunking OTAR Option ability

Add Mobile: Add fixed MENU softkey on right side of display

Enhance Mobile soft button indication that feature is on

Fix Autoscan UI issue

Fix Trunking Emergency Alarm use emergency group instead of current working group

Fix Trunking early receive LED not turning off in all cases

Fix P25 trunking group call audio opens slow

Fix P25 Trunking: Source ID of zero slows audio open speeds of unit call and group re-grouping calls

Fix P25 Trunking: Group call unit ID of 0 displayed

Fix Unwanted transmission after power-on with PTT held.

Fix P25 Trunking: earlier LED illumination for group calls

Fix P800 and M800 improve RX hum and noise.