

Field Software Notice

To: **All 5100 P25 Conventional Users**
Subject: **Software Release**

Platform: **5100**
Protocol: **P25 Conventional Only**
Version Release #: **1.11 (039-5702-211)**
Effective Release Date: **8/26/03**

Minimum Requirements:

PC Configure:	1.21 or higher (023-9998-48821)	ARM:	N/A
PC Configure Code Upgrade Loader:	N/A	DSP:	N/A
PC Configure Boot Upgrade Loader:	N/A	PC Flash:	N/A
Radio Boot Code:	N/A	PC Tune:	1.0.8.7 or higher
Other:		PC Trunk:	N/A

Feature Additions/Enhancements:

- Added OTAR capability
 - Allow search backwards through site list in site search
 - Added support for transmission trunking on digital channels
 - Added UHF 380 support with even spaced test freqs. (Needs PC Tune 1.0.8.7)
 - Added anti-cloning support (Need PC Configure 1.21 and higher)
 - Assigned system-wide preferred site lists to announcement groups
 - Added DSP oscillator warp function
 - Added Conventional emergency signaling
 - Added AES support in software (non-FIPS-140-2 approved)
 - Improved ANI delay time
 - Made changes for display of encryption
 - Option to ignore clear/secure switch when channel strapped
 - Programmable microphone audio levels
 - PC Keyloader Support
 - PTT-ID and Talkgroup display time programmable
 - Single Tone Encoder (Royal Canadian Mounted Police)
 - Soft power down – requires second button push to turn radio off.
 - SMARTNET/SmartZone Interconnect (analog clear / digital clear)
 - SMARTNET/SmartZone SecureNet (group / private call)
 - Tone volume adjustable - function button and PC Configure
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Fixes:

- Busy channel check bug fixed
- [Digital carrier squelch fixes](#)
- Dynamic Regroup Cancel and Clear Lock fixes
- [Emergency Alarm fixes](#)
- Fixed Fixed display refresh problem when transmitting in the middle of site search
- Fixed Digital Unit Call Lockup
- Fixed Unit Call lockup in call Cancel state
- Fixed Unit call ring tone volume (all protocols)
- Fixed low battery icon turning off when in Tx Busy
- Fixed RWS race condition lockup w/channel change
- Fixed surveillance mode backlight operation
- Fixed autoscan - will work if scan button isn't programmed, only activates if channel has enabled autoscan
- Fixed Unit Call Lockup
- Fixed "no audio" on Emergency Calls
- Fixed menu mode lockup
- Fixed System Wide Preferred Site bug
- Fixed lockup when turning off Radio Wide Scan
- Fixed call alert lockup in emergency
- Fixed lockup on rapid receive of 2 extended function commands
- Fixed radio hang up when loss of sync occurs during registration
- [Fixed Full spectrum scan - Tx freq set incorrectly](#)
- [Fixed call alert](#)
- [Fixed lockup in SMARTNET](#)
- [Force scan off when dynamic regroup received](#)
- [Hot DTMF](#)
- Ignore PTT during hot mic
- Indicate when emergency call received
- No Emergency Group programmed fixes
- Only display PTT ID and talkgroup ID on first reception in a call sequence – Doesn't display on subsequent receptions during the hang time
- [P25 Trunking mute on loss of sync on voice channel](#)
- [P25 Conventional Signaling features](#)
- Parm fail fixed (caused when powering down in the middle of zone change)
- [Restrict functions allowed in emergency](#)
- Reverse burst CTCSS was corrected from 90deg to 180deg
- Scan icon does not display if on dynamic regrouping channel
- Set registered RFSSID after a unit registration
- [SmartZone roaming fix without adjacent site OSW's](#)
- [Toggle switch zone select function](#)
- Transmit call type now follows clear/secure mode
- [Will not allow scan of priority channel if active channel is analog active with CTCSS or DCS off the same frequency.](#)

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Part Numbers Affected:

Notes:

Not all fixes apply to all protocols.

If you would like a copy of this software, please contact Sue Baldini at 800-328-3911, extension 6970.

For Technical Questions regarding this Field Software Notice, please contact EFJohnson Technical Support at 800-328-3911, ext. 2.