

Field Software Notice

To: **All 5300 P25 Conventional Users**
Subject: **Software Release**

Platform: **5300**
Protocol: **P25 Conventional Only**
Version Release #: **DSP = 1.49 (039-5695-210) and ARM = 1.23 (039-5691-219)**
Effective Release Date: **8/26/03**

Minimum Requirements:

PC Configure: 1.20 or higher (023-9998-48820)	ARM: 1.22
PC Configure Code Upgrade Loader: N/A	DSP: 1.49
PC Configure Boot Upgrade Loader: N/A	PC Flash: N/A
Radio Boot Code: 1.8	PC Tune: N/A
Other:	PC Trunk: N/A

Feature Additions/Enhancements:

- Indicate when emergency call received
 - Allow search backwards through site list in site search
 - Added anti-cloning support (need appropriate pc configure version)
 - Site trunking display in Radio Wide Scan
 - PTT-ID and Talkgroup display time programmable
 - Assigned system-wide preferred site lists to announcement groups
 - Soft power down – requires second button push to turn radio off.
 - Tone volume adjustable - function button and PC Configure
 - Option to ignore clear/secure switch when channel strapped
 - P25 group call voice channel group verification
 - Added system wide preferred site support
 - added keypad DTMF over dial support
 - Added Conventional Emergency Signaling features
 - Improved ANI delay function
 - Added AES encryption support
 - Ignore PTT during hot mic
 - Added external PA display indication
 - external PA functionality with option in PCConfig for Rx audio enabled/disabled
 - Added OTAR Capability
 - Horn Honk powerup (Requires boot code 1.7 and higher & PcConfigure 1.20.
 - Made changes for display of Encryption
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Fixes:

- SmartZone roaming fix without adjacent site OSW's
- bug fix for Emergency Alarm signaling and Call Alert
- Fixed bug in Digital Alarm signaling
- Fixed Emergency Alarm signaling (Needs DSP version 1.43)
- Fixed radio recovering from radio inhibit/dynamic channel lock when power is pulled after radio inhibited/dynamic channel locked
- Fix Full Spectrum Scan - Tx Freq not set correctly
- Restrict functions allowed in emergency
- fixed unhandled messages
- Allow PTT for external PA when out of range
- Low signal roaming - No reinitialization of the Dynamic Site List
- Fixed Rapid PTT in Unit Call
- No backlight in surveillance mode
- Deleted unused channel grant code in unit call
- Fixed Home Zone/channel button lockup
- Fixed display refresh problem when tx'ing in the middle of site search
- fixed Unit Call lockup in call Cancel state
- Fixed display refresh problem when tx'ing in the middle of site search
- Fixed unit call ring tone volume (all protocols)
- Fixed surveillance mode backlight operation
- Don't allow scan button when mic is off hook
- Fixed secure icon when transmitting during hang time
- Fixed Unit call lockup
- transmit call type now follows clear/secure mode
- Fixed lockup when turning off RWS
- Fixed eeprom parms fail
- fixed called alert lockup when in emergency
- Force scan off when dynamic regroup received
- Fix lockup when two Extended functions received rapidly
- Fixed radio hang up when loss of sync occurs during registration
- Fixed lockup on mixed mode analog transmit channel with data enabled
- Fixed lockup when F6 is pressed more than once during self test and there is no SN/SZ system in the radio
- Fixed No Emergency Group programmed
- Fixed emergency alarm lockup
- Fixed P25 Trunking talk permit tone audio mute
- Site lock on site access denial site fix
- Dynamic Regroup Cancel and Clear Lock fixes
- Emergency Alarm failed fixes
- Digital Unit Call Lockup fix
- Priority function button fixed
- Go back to previous channel when selector lock is canceled

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Part Numbers Affected:

242-5317-201 AAAB	242-5318-205 AAAB	242-5326-261 AAAB	242-5387-201 AAAB
242-5317-201 DAAB	242-5318-261 AAAB	242-5326-261 AAAC	242-5387-201 ABAB
242-5317-204 AAAB	242-5318-801 AAAB	242-5326-265 AAAB	242-5387-251 AAAB
242-5317-221 AAAB	242-5325-201 AAAB	242-5326-265 FAAB	242-5387-251 ABAC
242-5317-251 AAAB	242-5325-261 CAAC	242-5326-265 SAAC	242-5387-251 SAAB
242-5317-251 AAAC	242-5325-264 AAAC	242-5326-265 SBAD	242-5387-251 SBAB
242-5317-261 AAAB	242-5326-201 AAAB	242-5337-201 AAAB	242-5387-261 ABAB
242-5317-264 AAAB	242-5326-201 ABAB	242-5337-261 AAAB	242-5388-201 ABAB
242-5317-281 ABAB	242-5326-201 SAAB	242-5338-261 AAAB	242-5388-205 ABAB
242-5317-811 AAAB	242-5326-205 ABAB	242-5338-265 AAAB	242-5388-261 AAAB
242-5318-201 AAAB	242-5326-205 SAAB	242-5338-265 AAAC	242-5388-261 ABAB

Notes:

Not all fixes or enhancements 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.