

# *Field Software Notice*

To: **Users of 5100X Portable Radios**  
Subject: **Software Release**

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Platform: **5100X Portable**  
Protocol: **All**  
Version Release #: **4.8.10 (Part Number: 039-5724-224)**  
Supersedes Version#: **4.6.7**  
Effective Release: **02/05/07**

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<i>Minimum Requirements:</i>	<i>Version</i>	<i>Part Number</i>
Corresponding DSP Version:	4.6.2 ⇔ 4.8.2	Embedded in flash
Corresponding ROM Boot Version:	4.2 ⇔ 4.3	039-5723-202
Corresponding RAM Download Version:	1.0 Separate 5100X (no change)	Embedded in PC Configure
Corresponding PC Configure Version:	2.1.0 ⇔ 2.4.6	039-5754-205
Corresponding PC Tune Version:	2.0.2.4 ⇔ 2.2.3	039-5697-214
Corresponding SMA Version:	1.2.4 (no change)	039-5730-201
Corresponding SEM Version:	3.4 (no change)	039-5711-205

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## *Feature Enhancements*

### **Comments:**

#### ➤ **P25 Trunking:**

- Reduced time to start a transmission initiated during startup by allowing the radio to begin communications once a system has been found
- Clarified the busy indication until channel grant by having the busy tone (4 beeps) repeat until busy timeout or the user releases PTT
- Improved receiver voice quality with enhanced vocoder
- Added Auto Site Search function that automatically changes to the site that has the highest Received Signal Strength Indication (RSSI) values
- Improved site selection while in roaming mode

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➤ **SN/SZ:**

- Reduced time to start a transmission initiated during startup by allowing the radio to begin communications once startup is complete
- Added "Ring Until Answered" function that will cause the radio to keep ringing on receipt of a Private Call until the call is answered or the radio is switched off
- Improved quick fade timer
- Reduced affiliation time

➤ **Conventional:**

- Provided an internal test mode that the service technician can enter to test conventional specifications without changing the customer's Radio Configuration File (RCF)
- Added a programmable Zone Lock Function that, once engaged, prevents inadvertent scrolling through zones unless the Zone Lock Function is disengaged

➤ **General Improvements:**

- Added a "standby" mode that mutes audio, turns off lights, and can block a combination of buttons and switches
- Improved audio for digital conventional priority scan
- Balanced transmit analog/digital audio levels
- In an Omnilink system, fixed the issue of a radio becoming inoperable after going out of range
- Added emergency call tone
- Eliminated OTAR data channel lockup