

# *Field Software Notice*

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

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Platform: **5100X Portable**  
Protocol: **All**  
Version Release #: **4.12.2 (Part Number: 039-5724-229)**  
Supersedes Version#: **4.10.9**  
Effective Release: **02/04/08**

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<i>Minimum Requirements:</i>	<i>Version</i>	<i>Part Number</i>
Corresponding DSP Version:	4.12.2	Embedded in flash
Corresponding ROM Boot Version:	4.3 (no change)	039-5723-202
Corresponding RAM Download Version:	1.0 (no change)	Embedded in PC Configure
Corresponding PC Configure Version:	2.6.9 ⇔ 2.8.2	039-5754-209
Corresponding PC Tune Version:	3.0.8 ⇔ 3.0.9	039-5697-217
Corresponding SMA Version:	1.2.7 (no change)	039-5730-202
Corresponding SEM Version:	3.4 (no change)	039-5711-205

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## *Feature Enhancements*

### ➤ **P25 Trunking:**

- Limits programming of a specific talk group to one site only. This will make the unit act as though the radio is site locked on a specific site and display out of range (OOR) if it is unable to connect to the site.
- Retains the last known good site in which the announcement group was associated

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➤ **SN/SZ:**

- Allows the customer to have multiple systems with the same System ID without clearing the dynamic site array when changing from one system to another
- Sends out Outbound Signaling Word (OSW) to radios on a SMARTNET/SmartZone system

➤ **Conventional:**

- Allows users to send and receive text messages: radio to radio, radio to dispatch, and dispatch to individual or multiple radios

➤ **Multi-Net:**

- Allows a dispatcher to choose to allow users to override the Multi-Net TX inhibit while receiving
- Provides compatibility with other protocols within the radio
- Allows for the rebanded Ascend radios to access Multi-Net channel numbers above channel 559 (862 MHz)
- Channels will be 25 kHz spaced, 5 kHz deviation channels

➤ **General Improvements:**

- Changed the Low Battery icon to appear empty when the thresholds set in PC Tune are met
- Allow a user to select to cutoff or reduce the high frequencies (background noise) from 2.7 kHz and up (analog only)
- Allows for auto incrementing of Unit ID's when the Unit ID is the only thing that is being changed during the upgrading of radios
- Supports over-the-air-programming (OTAP) and "normal" downloads
- Has a Stop button for stopping downloads in progress
- Allows a programmable global Radio ID to be displayed during the power up sequence
- Allows the radio to have one set of thresholds to roam efficiently in both rural and urban environments
- Improved performance with regards to upload and download time by streamlining the protocol