

Field Software Notice

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

Platform: **5100ES Portable**
Protocol: **All**
Version Release #: **6.6.2 (Part Number: 039-5757-205)**
Supersedes Version#: **6.4.9**
Effective Release: **02/04/08**

<i>Minimum Requirements:</i>	<i>Version</i>	<i>Part Number</i>
Corresponding DSP Version:	6.6.2	Embedded in flash
Corresponding ROM Boot Version:	6.4 (no change)	039-5756-200
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

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 specific site and display out of range (OOR) when it is unable to connect to this 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 to have the same System ID without clearing the dynamic site array when changing from one system to another
- Sends 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