Release Notes for the Spectrum24 AP-4121 Access Point Firmware Version 2.70-06

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Product Overview
The Symbol Technologies Spectrum24™ Wireless LAN Access Point Model AP-4121 has been released for sale over the last several years. The AP-4121 bring years of award winning design into a quality Access Point designed for the mobile environment.

The AP-4121 uses a Motorola Power PC processor designed for the telecommunications and data processing industry along with a Symbol designed radio for optimum 802.11b Wireless LAN performance. Firmware is factory loaded with the latest released version and the firmware can be upgraded to the latest version via the user interface by Serial, Boot with DHCP or TFTP connection.

The latest Official Release of firmware for the AP-4121 is firmware version 2.70-06. Future releases of firmware with issues corrected after the Official Release are a known as a 'Service Release' that may be obtained from http://www.symbol.com/services/downloads.

Product Features
In addition to the features found in earlier Symbol AP-4121 802.11b Access Points the AP-4121 now supports Symbol's KeyGuard™. KeyGuard provides for increased security on the wireless LAN by enabling the rotation of WEP keys on a per data packet basis.
For information on KeyGuard, please refer to the product documentation.

Why You May Need to Upgrade Your Firmware
You will need to upgrade your firmware to take advantage of Symbol KeyGuard or if you are experiencing any system problems. Symbol advises not to upgrade the firmware in a system if no system issues exist or you do not wish to use the new features with this firmware version.

Upgrade WARNING
Important note: To update firmware in 4121 Access Points, you must upgrade using the consecutive following steps: If using version 1.x firmware, upgrade to version 1.5. If using version 1.5, upgrade to version 2.0. If using version 2.0, upgrade to version 2.5. Now upgrade to version 2.70-xx.

This firmware will work only on Symbol AP-4121 products.

Known Issues and Bug Fixes
With the release of the Access Point with firmware version 2.70-06 no known issues were found during system level testing.   Any issues found after the release are addressed as Service Release(s) and can be found on the Service Release web page for the product.

The following Issues were corrected in Version 2.70-06:
1. Improved Access Point buffer handling to make the telnet interface more robust.
2. "Save All" functionality is available in all menu pages.
3. To process the AP configuration file better, the AP corrects oversized strings and performs range checking.
4. Increased stability of Mobile Devices when in PSP mode by improving the algorithm used between the AP the Mobile Devices.

Files Included in the Download
When downloaded from www.symbol.com the downloaded Access Point firmware file will contain the following included files:
- **dsap_fw.bin** – AP-4121 firmware to be loaded first in order to update the Access Point to the selected version of firmware.
- **dsaphtm.bin** – AP-4121 html firmware to be loaded second in order to update the Access Point web user interface.
- **ap_cfg.txt** – to be used to configure the AP-4121 if so desired.
- **Several *.mib files** – to be used if a remote SNMP management tool is used with the Access Point.
- **IMPORTANT.TXT** – which will describe the included files in the downloaded file and the version numbers of the files.   In a service release the file may include notes on bugs fixed.

Documentation
The following documentation is available from www.symbol.com/services/downloads for the 802.11b Wireless LAN products:
- AP-4131 Access Point PDF format Product Reference Guide
- AP-4131 Access Point HTML format Product Reference Guide
- AP-4111 and 4121 Access Point PDF format Product Reference Guide
- AP-4111 and 4121 Access Point HTML format Product Reference Guide
- LA-4111, 4121 and 4123 PC and PCI cards PDF format Product Reference Guide
- CB-1000 PDF format Users Guide
- LA-4137 CF PDF format Users Guide

Getting Support
Symbol Technologies provides its customers with prompt and accurate customer support. Use the Symbol Support Center as the primary point of contact for any technical problem, question or support issue involving Symbol products.

Symbol Customer Support responds to calls by email, fax or telephone within the time limits set forth in individual contractual agreements.
When contacting Symbol customer support, provide the following information:
- serial number of unit
- model number or product name
- software type and version number
- contact name, phone and email

North American Contacts

Inside North America, contact Symbol by:

- Symbol Technologies, Inc.
  One Symbol Plaza
  Holtsville, New York 11742-1300
  Telephone: 1-516-738-2400/1-800-SCAN 234
  Fax: 1-516-738-5990
- Symbol Support Center:
  telephone: 1-800-653-5350
  fax: (516) 563-5410
  Email: support@symbol.com

International Contacts

Outside North America, contact Symbol by:

- Symbol Technologies Technical Support
  12 Oaklands Park
  Berkshire, RG41 2FD, United Kingdom
  Tel: 011-44-118-945-7000 or 1-516-738-2400 ext. 6213

Symbol Developer Program Web Site

- http://software.symbol.com/devzone

Symbol Knowledge Base

- http://kb.symbol.com/register.asp

Additional Information

Obtain additional information by contacting Symbol at:

- 1-800-722-6234, inside North America
- +1-516-738-5200, in/outside North America
- http://www.symbol.com