

Release Notes for SPA400 Firmware Version 1.1.2.2

September 2008

This document describes the updates that have been made since version 1.0.1.4 and provides instructions for downloading and installing the new firmware.

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Changes since SPA400 Firmware Version 1.0.1.4

New features were added, and problems were fixed.

New Features

Several features were added.

FXO Port Selection

You can use the SPA9000 call routing rule to specify the SPA400 FXO ports to be used for outgoing calls, based on the dialed digits. Use the *SPA9000 Interface* page, *Call Routing Rule* field and *Dial Plan* field. The following examples illustrate how this feature can be used.

- Specifying a hunt order for FXO lines on one SPA400 unit

EXAMPLE: (`<:L2{1,2}>8xx`)

Line 2 is configured for a SPA400. This line is used for any dialed sequence that starts with 8. The preference is to seize port 1. If port 1 is unavailable, the next preference is to seize line 2. If neither port is available, then the call fails.

- Specifying a hunt order for FXO lines on multiple SPA400 units

EXAMPLE: (`<:L4{1},3,2{2,4}>9xx`)

Lines 2, 3, and 4 are configured for SPA400 units. These lines are used for any dialed sequence that starts with 9. The preference is to use Line 4, port 1. If it is unavailable, then any port on Line 3 can be used. If Line 3 is unavailable, then the next choice is Line 2, port 2. If it is unavailable, the next choice is Line 2, port 4. If it is unavailable, then the call fails.

Time Zone Settings

More time zone options were added, for consistency with the SPA9000 options. (CSCsq15655)

Daylight Saving Time

You can enter a Daylight Saving Time rule on the *Administration tab > Basic Settings* page.

SYNTAX: `start = <start-time>; end=<end-time>; save = <save-time>`

EXAMPLE: `start=3/9/7;end=11/2/7;save=1`

In this example, Daylight Saving Time begins March 9, 2007, and ends Nov. 2, 2007. One hour is added to the time of day during this period.

- `<start-time>`: The start date/time of dayling saving time
- `<end-time>`: The end date/time of daylight saving time

Enter these values in the following format: `<month>/<day>/<weekday> [/HH[:mm[:ss]]]`

- `<month>`: 1-12 (January-December)
- `<day>`: 1-31
- `<weekday>`: Optional. If included, this value causes the rule to take effect on a particular day of the week before or after the specified date. Use the

values 1-7 to represent the days Monday (1) through Sunday (7). Omit this parameter or enter 0 to cause the rule to take effect exactly on the specified date. If <weekday> is not 0 and the <day> value is positive, then daylight saving time starts or ends on <weekday> on or after the specified date. If <weekday> is not 0 and the <day> value is negative, then daylight saving time starts or ends on <weekday> on or before the specified date.

- `HH:mm:ss`: Optional. The time of day when the setting takes effect, in hours (0-23), minutes (0-59), and seconds (0-59)
- `<save-time>`: The number of hours (and optionally minutes and/or seconds) to add to the NTP server time during daylight saving time. Enter a negative (-) sign before <save-time> if subtraction is desired instead of addition.

Other Updates

The following problems were fixed:

- Changes in the syslog server address were not saved. Now the changes are saved correctly upon submitting the changes.(CSCsq40275)
- Changes in voice mail accounts were not saved correctly. Now the changes are saved correctly upon submitting the changes.
- In the DHCP requests, the Vendor Class ID now shows "Linksys SPA400." (CSCsq45537)
- If DHCP mode was disabled, Dynamic DNS was automatically disabled as well. Now DHCP mode can be disabled without affecting the dynamic DNS setting. (CSCso88753, CSCsq18755)
- The reboot confirmation message was worded incorrectly. The correct wording now appears. (CSCsq26620)
- The SPA400 administration web server allowed the user to set Ring Indication Delay and Ring Timeout to 0, which is an invalid setting. This value no longer appears as an option in these fields. (CSCso42237)
- The SPA400 allowed the entry of a duplicate voice mail user ID. Duplicates are no longer allowed. Any existing duplicates are disabled. (CSCso98736)
- The SPA400 administration web server was forcing a password for a voice mail user account. Now an account can be enabled without requiring a user password. (CSCsq14840)

- After a change in the SPA400 IP address and subsequent reboot, the SPA400 administration web server was not redirecting to the new IP address. Now the web page redirects to the new IP address. (CSCso88758)

Downloading and Installing the Firmware for the SPA400

You need to download the firmware and then install it on the SPA400.

STEP 1 Download the latest firmware from www.cisco.com/go/smallbiz.

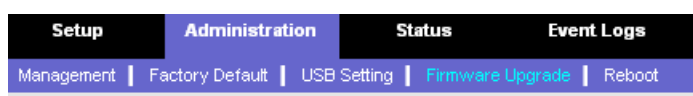
STEP 2 Start Internet Explorer, and enter the IP address of the SPA400.



NOTE By default, the SPA400 is configured to obtain an IP Address via DHCP. You can check the obtained IP address on the router DHCP server's client list.

STEP 3 When the password prompt appears, enter the default user name, **Admin**, with the current password (by default there is no password). Then click **OK**.

STEP 4 Click **Administration tab > Firmware Upgrade**.



The upgrade firmware file needs to be downloaded and stored on your PC

File Path:

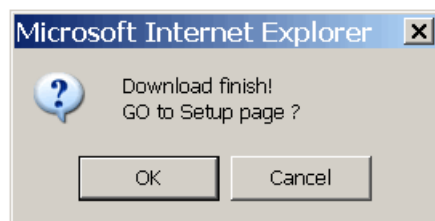
STEP 5 Click **Browse**.

STEP 6 Find the binary (.bin file) that you extracted to your Desktop, and click **Open**.

The selected file appears in the File Path field on the Firmware Upgrade page.

STEP 7 Click **Upgrade**.

STEP 8 When the confirmation message appears, click **OK**.



STEP 9 When the Setup page reappears, verify that the Firmware Version number matches the version that you installed. You have successfully upgraded the firmware.



NOTE You may need to refresh your browser to display the updated banner reflecting the new version number.

Technical Support

To obtain current support contact information for Cisco Small Business and Small Business Pro products, visit the following URL:

www.cisco.com/go/smallbiz

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