

SPA8000 Firmware Version 5.1.12

This document describes the updates that have been made since version 5.1.10 and provides instructions for downloading and installing the new firmware.

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Changes since SPA8000 Firmware Version 5.1.10

Fixed the following problems:

- When the SPA8000 retried a refresh SUBSCRIBE after a failure (such as 481 response), it included a tag in the To header.
- T.38 media proxy failed to relay T.38 packets, if the media proxy changed after Re-INVITE to T.38, and endpoint was behind NAT.
- The administration web server required a reboot after changes to the *FAX CED Detect Enable* and *FAX CNG Detect Enable* fields.
- A fax call failed when the caller was a PC-FAX-Modem.
- IP dialing failed and the SPA8000 rebooted when the transport was configured using TCP.
- An Accept Media Loopback Request failed in Manual mode. (CSCsm38304, CSCso70560)
- An Accept Media Loopback Request sent caller ID to the phone in Automatic mode.
- The Info page was not updated correctly to display encoder and decoder during T.38 fax transmission. (CSCsk45801)
- The Caller ID was incorrect for inbound calls on a port configured with the Ring9 Cadence. (CSCsm38327)
- The TCP session closed when a user was remotely accessing the web administration server. (CSCsm67258)
- The web page tab labels were not specific to SPA8000 features, and some pages contained unnecessary fields.
- A factory reset through the Interactive Voice Response Unit did not work consistently. CSCsm70500
NOTE: The IVR function has been disabled on Lines 3-8. Only Lines -2 provide access to IVR.
- DTMF strict mode did not stop all “talk-off” beeps. The signal level threshold for qualifying DTMF digits is set higher to prevent false DTMF detection. (CSCso34152)
NOTE The recommended setting for AVT transmission is as follows:
 - DTMF Tx Method: AVT
 - DTMF Tx Mode: Strict
 - DTMF TX Strict Hold Off time: 70
- Some settings on Lines 3 to 8 did not take effect until after reboot. (CSCsj00576)
- Setting the *INVITE Expires* field and the *ReINVITE Expires* field to 0 did not remove the Expires header from outbound INVITE and reINVITE SIP messages (CSCsc23750, CSCsc74976)

Upgrading the Firmware for the SPA8000

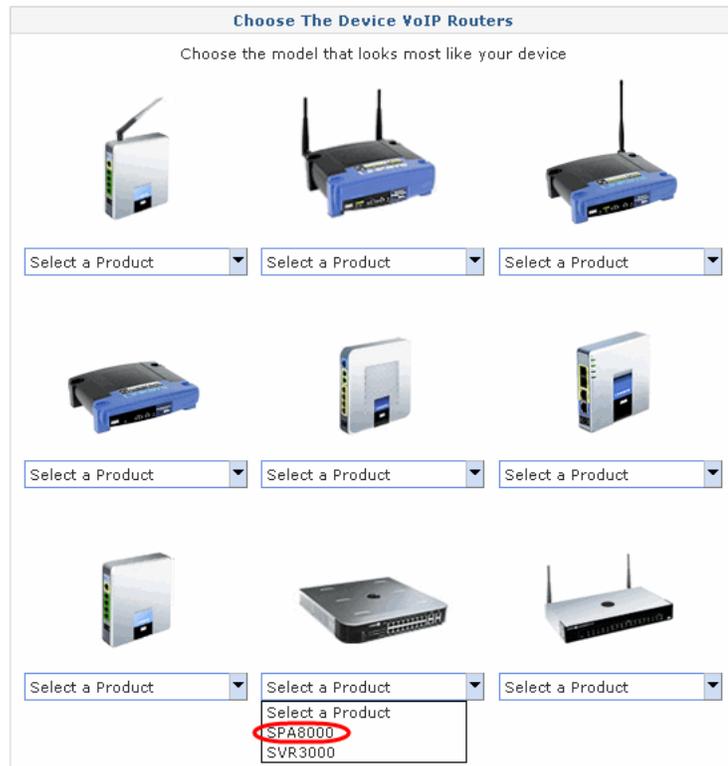
You need to download the firmware from Linksys.com and then install it on the SPA8000.

Downloading the Firmware from Linksys.com

1. Start Internet Explorer, and enter the following URL: <http://www.linksys.com>
2. From the menu at the top of the page, select **Support > Technical Support**.
3. Click **Choose a Product**.

NOTE: If you are visiting the site for the first time, you may be prompted to choose your location before continuing.

4. On the *Select Product Category* page, find the *Voice over IP (VoIP)* drop-down list. Choose **Voice Over IP Routers**.
5. On the *Choose The Device* page, choose **SPA8000** from the drop-down list near the end of the page.



6. On the *SPA8000 Downloads* page, choose **Version 1.0** in the drop-down list.
7. Under *Firmware*, click the link for the latest version of the firmware.

NOTE: If you are using Windows XP Service Pack 2 (SP2) and Internet Explorer, you may see the "Pop-up blocked" message in your browser information bar. If you see this message, click the information bar and select **Temporarily Allow Pop-ups**. Then click the link again.

8. Click **Save** in the *File Download* dialog box that appears.
9. In the *Save As* dialog box, choose a location for the file and then click **Save**.
10. When the download is complete, if prompted, click **Close**.

NOTE: The name of the file depends on the firmware file of your device. If the firmware file you download is in zip format, double-click the file and extract its contents to a single folder or to the desktop. To extract the firmware file from the archive, use a utility such as WinZip, or use the built-in decompression features of Windows XP.

Installing the Firmware

1. Use the administration computer to install the latest firmware:
 - a. Extract the Zip file, and then run the executable file to upgrade the firmware.
 - b. When the *Firmware Upgrade Warning* window appears, click **Continue**.
 - c. In the next window that appears, enter the IP address of the SPA8000, and then click **OK**.

NOTE: To find out the IP address of your SPA using a telephone handset, enter * * * *, option 110#, and write down the value.

- d. In the *Confirm Upgrade* window, verify that the correct device information and product number appear. Then click **Upgrade**.

A progress message appears while the upgrade is in progress. The success window appears when the upgrade is completed. The device reboots.

2. Click **OK** to close the confirmation message.
3. To verify the upgrade, start Internet Explorer, and enter the IP address of the SPA8000. Check the *Network>Status* page. In the *Product Information* section, verify that the *Software Version* field shows the firmware version that you installed.

Network		Voice	
Status	Wan Status	Admin Login basic advanced	
Product Information			
Product Name:	SPA8000	Serial Number:	CQH01G701410
Software Version:	5.1.12	Hardware Version:	1.0.0
MAC Address:	001C105C56E4	Client Certificate:	Installed
Customization:	Open		

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