Release Notes for Cisco Small Business SPA112/SPA122/SPA232D/SPA302D Analog Telephone Adapter Firmware Version 1.4.1

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Introduction

These Release Notes describe the updates and fixes in version 1.4.1 of the Cisco Small Business SPA112/SPA122/SPA232D/SPA302D ATA firmware.

IMPORTANT

As with any firmware release, read these release notes before you upgrade the firmware. Cisco also recommends that you back up the configuration before you perform any firmware upgrade.

Software Compatibility

For SPA112/SPA122/SPA232D/SPA302D ATA firmware, the openssl upgrades from 1.0.1h to 1.0.1p.

For SPA112/SPA122/SPA232D/SPA302D ATA firmware, the net-snmp upgrades from 5.7.2 to 5.7.3.

For SPA112/SPA122/SPA232D/SPA302D ATA firmware, the expat upgrades from 2.0.1 to 2.1.0.

Hardware and Firmware Compatibility

The following matrix describes the hardware and firmware compatibility.

SPA112, SPA122, SPA232D (3 types of devices)	Model	SN Range	1.4.1(SPA112/SPA122/SPA232D) 1.4.0 (SPA112/SPA122/SPA232D) 1.3.6 (SPA232D) 1.3.5p and 1.3.2p (SPA112/SPA122)	1.3.5, 1.3.4, 1.3.3, 1.3.2n	1.3.2 or earlier
Device 1 (128MB Flash + New SLIC)	SPA112	CCQ18400001 to CCQ1841033K After CCQ18500DAE	Yes	No	No
	SPA122	CCQ1834031U to CCQ1834037D CCQ1847066I to CCQ184707YA CCQ184902ED to CCQ184904UL CCQ184904UM to CCQ184904Y3 CCQ184904Y4 to CCQ184904Y5 After CCQ185001YH			
	SPA232D	After CCQ1906001V			
Device 2 (128MB Flash + Old SLIC)	SPA112	CCQ175106J3 to CCQ175106OM CCQ181607OO to CCQ181607U7 CCQ18240E34 to CCQ18400000 CCQ1841033L to CCQ18500D9K	Yes	Yes	No
	SPA122	CCQ174602V3 to CCQ1746030M CCQ181502B7 to CCQ181502GQ CCQ182002W3 to CCQ1834031T CCQ1834037E to CCQ18470660 CCQ184707YB to CCQ184902EC CCQ184904UM to CCQ184904UL CCQ184904Y4 to CCQ184904Y3 CCQ184904Y6 to CCQ185001YH			
	SPA232D	CCQ17100G3L to CCQ1906001U			
Device 3 (32MB Flash + Old SLIC)	SPA112	Before CCQ182002W2	Yes	Yes	Yes
	SPA122	Before CCQ181805KR			
	SPA232D	Before CCQ17100FS0			

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Note　Do not upgrade any device to an unsupported firmware version as detailed in the Hardware and Firmware Compatibility Matrix table.

2

Release Notes for Cisco Small Business SPA112/SPA122/SPA232D/SPA302D Analog Telephone Adapter Firmware Version 1.4.1

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> **Note** New SLIC devices have a label that reads *S/W: Must use 1.3.5(004p) or later.*

New and Changed Feature

Proxy Redundancy Mechanism

Cisco phone supports the use of backup SIP Proxy Servers to minimize or eliminate service disruption.

A new parameter **Auto Register when Failover** is added to control the phone adapter to autoregister on failover proxy (when failover action is executed). After reregistering successfully, the INVITE message is resent to new proxy.

Upgrade the Firmware

Follow these instructions to upgrade the phone adapter.

Step 1 Download the latest firmware by using the Firmware link on the following web page:

http://www.cisco.com/c/en/us/products/unified-communications/small-business-voice-gateways-ata/index.html

Step 2 Access the adapter Configuration Utility in one of the following two ways:

- If the adapter is SPA112, connect one analog phone to its FXS port, press **** to access IVR, enter 110 to get SPA112 WAN IP address. Then, launch a web browser, and enter WAN IP address.
- If the adapter is SPA122 or SPA232D, connect one PC to its LAN port. Then, launch a web browser, and enter the LAN IP address. The default value is 192.168.15.1.

Step 3 Log in to the Configuration Utility.

Step 4 Click **Administration** in the menu bar, and then click **Firmware Upgrade** in the navigation tree.

Step 5 Click **Browse** and select the location of the upgrade file that you downloaded.

Step 6 Click the **Upgrade** button to upgrade the firmware.

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> **Note** Upgrading the firmware may take several minutes. Until the process is complete, do not turn off the power, press the hardware reset button, or click the Back button in your current browser.

Caveats

Open Caveats

Identifier	Description
CSCuw83437	spa1x2: TCP, reg fallback on 1st&3rd then after 5s fallback on 2nd&3rd.

Resolved Caveats

Identifier	Description
CSCup22872	Broadsoft fax issue.
CSCus75310	SPA122 audio issue-> clipped audio.
CSCuu14235	SPA112: LAN/WAN IP conflict detection enabled with only one port.
CSCuv77261	SPA122: Line fails to register when one SIP outbound proxy server failed.
CSCuv45746	SPA122: DTMF received incorrectly in FXS port.
CSCus30578	SPA122/SPA232D- Proxy Redundancy mechanism.

Behavior During Times of Network Congestion

Anything that degrades network performance can affect voice and video quality, and in some cases, can cause a call to drop. Sources of network degradation can include, but are not limited to, the following activities:

- Administrative tasks, such as an internal port scan or security scan
- Attacks that occur on your network, such as a Denial of Service attack

To reduce or eliminate any adverse effects to the devices, schedule administrative network tasks during a time when the devices are not being used or exclude the devices from testing.

Documentation, Service Requests, and Additional Information

For more information on Cisco Small Business, see
http://www.cisco.com/cisco/web/solutions/small_business/index.html

For more information on Cisco Small Business Support Community, see
https://supportforums.cisco.com/community/5541/small-business-support-community

For more information on Cisco Small Business Support and Resources, see
http://www.cisco.com/cisco/web/solutions/small_business/small_business_support_and_resources.html

To access the Technical Support and Documentation, see
http://www.cisco.com/c/en/us/support/index.html

For downloading the documents, see https://software.cisco.com/download/navigator.html

For more information on Cisco Small Business Voice Gateways Documentation, see http://www.cisco.com/c/en/us/products/unified-communications/small-business-voice-gateways-ata/index.html

Obtain Documentation and Submit a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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Release Notes for Cisco Small Business SPA112/SPA122/SPA232D/SPA302D Analog Telephone Adapter Firmware Version 1.4.1

5

■ **Release Notes for Cisco Small Business SPA112/SPA122/SPA232D/SPA302D Analog Telephone Adapter Firmware Version 1.4.1**

6