



# Release Notes for Cisco SPA232D Multi-Line DECT ATA and Cisco SPA302D Multi-Line DECT Handset Firmware Version 1.3.6

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## Introduction

These Release Notes provide information about Cisco SPA232D Multi-Line DECT ATA and Cisco SPA302D Multi-Line DECT Handset firmware version 1.3.6.

### 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.**

## Changes in Firmware Version 1.3.6

These feature enhancements are added in Firmware Version 1.3.6:

- For the SPA302D handset, count the number of missed calls correctly.  
When multiple handsets are using the same DECT line and an incoming call occurs, one handset receives the call, and the missed-call count of the other handset does not increase.
- When the call to a handset is forwarded, the first ringback tone is stopped, and only one ringback tone is heard.
- A **Delete** softkey is added to the SPA302D handset.  
The user can delete the wrong input digits when making an outgoing call.
- For the SPA302D handset, add local DTMF playback.
- For the SPA232D, support is added for VeriSign root certificates.



## SSL/TLS Certificate

### Server Certification

If a device is upgraded to SW 1.3.3 or later, the provisioning server requests a server certification signed by the Cisco 2K Small Business CA or can use the certificate signed by 1K CA.



**Note** The 2K server certificate is not compatible with old firmware (before 1.3.3.) The 1K server certificate is compatible with all firmwares, before and after 1.3.3.

### Client Certification

Devices with serial number CCQ18230001 (and newer) are built-in with 2K Client Certificate.

For a device with 2K Client Certification, the provisioning server should update the combined CA if client certification is requested.



**Note** The new combined CA is compatible with both 1K and 2K Client Certification.

## Hardware and Firmware Compatibility

The following matrix describes the hardware and firmware compatibility.

SPA232D (3 types of devices)	SN Range	1.3.6	1.3.5, 1.3.4, 1.3.3, 1.3.2n	1.3.2 or earlier
Device 1 (128MB Flash + New SLIC)	After CCQ1906001V	Yes	No	No
Device 2 (128MB Flash + Old SLIC)	CCQ17100G3L to CCQ1906001U	Yes	Yes	No
Device 3 (32MB Flash + Old SLIC)	Before CCQ17100FS0	Yes	Yes	Yes



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



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

## Resolved Issues

Defect Number	Description
CSCun39409	Missed call on SPA302D when 2 or more handsets are using the same line.
CSCus30605	SPA232D & SPA302D Local & Remote Ringback
CSCus30611	SPA302D- Unable to delete number on LCD during transfer/conference
CSCus30584	SPA302D has missing local DTMF playback

## Known Issues

Due to CSCug32425, when upgrading the SPA232D loaded with v1.3.1 (or a previous firmware version), it is required to upgrade the SPA232D v1.3.2 firmware twice if provisioning the device via the Upgrade Rule to correctly upgrade to the corresponding embedded SPA302D handset software. A special version of SPA232D firmware has been created to be used to perform the first upgrade while the second upgrade can use SPA232D\_SPA302D\_1.3.2\_014\_FW.bin which then installs the SPA302D handset software correctly.

This is not an issue while upgrading the SPA232D firmware via the web-based configuration utility, as the SPA232D needs to be upgraded only once.

Defect Number	Description
CSCup89627	SPA232D: While continuously running TR69, the ATA displays 'Connection Refused' (between the ATA and the server.)
CSCup96190	SPA232D: PSTN Caller ID is incorrect with specific configuration.
CSCup99031	SPA302D: When a first call is on hold, the second call cannot be answered while the other handset is upgrading.
CSCun11831	SPA302D: The CWT tone continues to play on the second incoming call even after the first call ends.
CSCun17894	SPA302D: The Dial Plan syntax (without the exclamation mark) does not work on the HS, but works on FXS port.
CSCun46895	SPA232D: Media Loopback is not supported.
CSCun51326	SPA302D: When both DND and CFWD Busy are enabled then CFWD does not take effect.
CSCun58955	SPA232D: The phone sends random DTMF when the "Conference Tone" is changed.
CSCun73086	SPA302D: Outgoing line from the HS cannot be emptied.
CSCun75923	SPA232D: Download failure of auto-recovery file blocks manual recovery.
CSCun93568	SPA232D: Setting IP Dialing format for CFWD target does not work.
CSCuo26397	SPA302D: 'Reply 182 on Call Waiting' does not work on DECT line (works in FXS port.)
CSCuo26703	SPA232D: "Conference Bridge Ports" does not work.
CSCup66338	SPA302D: Cannot dial out when the dialed number is 32 characters.

Defect Number	Description
CSCup83750	SPA302D: Hold Tone on the HS is missing during a long call if the call is put on hold by the called party.
CSCup83991	SPA302D: Conference cannot be set up using Conference Bridge if the calls are swapped.
CSCup88756	SPA232D: While one handset is upgrading, "Call Forwarding" cannot be accessed.
CSCup89327	SPA302D: The HS does not display the underline in the name of an incoming call.
CSCuq08098	SPA232D: Reminder Ring does not play immediately after an end of a PSTN call.
CSCuq08810	SPA232D: The CFWD last caller setting on PSTN User tab in the web GUI does not take effect.
CSCuq12895	SPA232D: The max duration setting for PSTN/VoIP Call does not take effect in the handset.
CSCuc85269	SPA232D: While a PSTN line is in use, Caller ID is not displayed on FXS port during an incoming call.

## Upgrade the Firmware

### Upgrade the Cisco SPA232D

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- Step 1** Download the latest firmware by using the Firmware link on this web page: [www.cisco.com/go/smallbizvoicegateways](http://www.cisco.com/go/smallbizvoicegateways)
  - Step 2** Launch a web browser, and enter the LAN IP addresses of the ATA.
  - Step 3** Log in to the Configuration Utility. (On first use, enter **admin** as the username and the password. After logging in, you should configure a unique password that is hard to guess.)
  - 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.

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.

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## Upgrade the Cisco SPA302D

Perform this procedure after you upgrade the Cisco SPA232D and are waiting for the ATA to reboot.



### Note

To verify the upgrade, go to the **Administration > Firmware Upgrade** page, and confirm that the firmware version number is correct.

- Step 1** On the handset, press the center **Select** button, scroll to **Settings**, and press the **Select** button again.
- Step 2** In the **Settings** menu, choose **Update Software**, and then press the **Select** button.
- Step 3** At the **Check for software update** prompt, press **Confirm**.
- Step 4** Within a moment, the handset displays the current version of software on the handset and the latest software version available from the Cisco SPA232D. Press the **Select** softkey.
- Step 5** Place the handset in the charging cradle.



### Caution

Do not remove the handset from the charging cradle during the upgrade. Do not power off the handset, charging cradle, or base station, or otherwise interrupt the upgrade process.

The handset erases the flash memory, downloads the new software, and verifies the upgrade data. After the upgrade, a message appears indicating the status of the upgrade (for example, if the upgrade succeeded).

- Step 6** After the success message appears, press **Reset** to reboot the handset.

If the upgrade fails, press **Reset** to reboot the handset. Check the status lights on the Cisco SPA232D to make sure that it is powered on and functioning. Then repeat the upgrade steps.

## 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.

## Related Information

<b>Support</b>	
Cisco Small Business Support Community	<a href="http://www.cisco.com/go/smallbizsupport">www.cisco.com/go/smallbizsupport</a>
Online Technical Support and Documentation (Login Required)	<a href="http://www.cisco.com/support">www.cisco.com/support</a>
Cisco Small Business Support and Resources	<a href="http://www.cisco.com/go/smallbizhelp">www.cisco.com/go/smallbizhelp</a>
<b>Downloads and Documentation</b>	
Firmware	<a href="http://www.cisco.com/go/software">www.cisco.com/go/software</a>
Cisco Small Business Voice Gateways Documentation	<a href="http://www.cisco.com/go/smallbizvoicegateways">www.cisco.com/go/smallbizvoicegateways</a>
Open Source Documentation	Follow the Release Notes link at <a href="http://www.cisco.com/go/smallbizvoicegateways">www.cisco.com/go/smallbizvoicegateways</a>
<b>Cisco Small Business</b>	
Cisco Partner Central for Small Business (Partner Login Required)	<a href="http://www.cisco.com/web/partners/sell/smb">www.cisco.com/web/partners/sell/smb</a>
Cisco Small Business Home	<a href="http://www.cisco.com/smb">www.cisco.com/smb</a>

## Documentation, Service Requests, and Additional Information

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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