

# Release Notes for Cisco SPA232D Multi-Line DECT ATA and Cisco SPA302D Multi-Line DECT Handset Firmware Version 1.3.2

## Firmware Released in May 2013

These Release Notes provide information about Cisco SPA232D Multi-Line DECT ATA and Cisco SPA302D Multi-Line DECT Handset firmware version 1.3.2.

### IMPORTANT:

**As with any firmware release, read these release notes before upgrading the firmware. Cisco also recommends backing up the configuration before any firmware upgrade.**

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## Changes in Firmware Version 1.3.2

- Changed the SPA302D handset behavior; while being on an existing call and answering (or placing) a second call, the first call will be on hold. After the second call ends, the first call can be reconnected by pressing the "Options" soft-key and selecting "Resume".

## Release Notes

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- ""Default Outgoing Line" and "Incoming Lines" removed from the Phone Info menu. Outgoing Default Line is viewable in the Call Settings menu displayed on the SPA302D handset.
- "Added the parameter "SIP Reg Starting Sequence Number" in the Voice > SIP > SIP Parameters menu section. An initial SIP Register message contains a random sequence number. Subsequent SIP Register sequence numbers increments by 1. A number entered in this field is used as the starting SIP Registration sequence number. If left blank or a 0 (zero) is entered in the field, then the ATA behavior defaults to use a random number. By default, the field is blank.
  - **XML Parameter:** <SIP\_Reg\_Starting\_Sequence\_Number>
- "Added the parameters "Syslog Server Transport" and "Debug Server Transport" in the Voice > System > Miscellaneous Setting menu section. These settings allow Syslog and Debug messages to be securely sent over TLS.
  - **XML Parameter:** <Syslog\_Server\_Transport>
  - **XML Parameter:** <Syslog\_Server\_Transport>
  - **Valid inputs:**
    - UDP
    - TLS
- "Added seven additional SNMP Voice Trap enhancements
  - up/down grade fail
  - update config fail
  - outbound call fail
  - reject incoming call fail
  - login fail
  - low voice qos
  - critical fail
- "Modified ATA behavior; when an FXS port is in use, ATA sets the download bandwidth for data to a maximum level of 4 Mbps to ensure QoS for voice traffic.

- "Modified ATA behavior; when ATA receives a ReINVITE message that contains "m=fax", it will treat the message as a fax call and automatically disable VAD, ECAN, and set non-adaptive Jitter Buffer.
- "Updated the T.38 fax code to encapsulated/decapsulated CED tone in T.38 packets to improve fax reliability and performance.

## Resolved Issues

Tracking Number	Description
CSCud55022	Fixed an issue on how the SPA302D DTMF responds to 183 SIP response from some IVR systems.
CSCuf96408	SPA302D hangs and displays "Please wait" while performing a handset software update.
CSCuf96285	When there is no voicemail, the MWI Indicator pops up for the SPA302D handset.
CSCuf96237	SPA302D handset behaves inconsistently between on-hook and off-hook dialing.
CSCuf15717	SPA302D handset triggers DTMF twice after creating a conference call.
CSCuf90879	ATA sends p-station-name twice during registration.
CSCue99058	Fixed an issue configuring DNS SRV.  When the primary fails or does not respond, the INVITE is sent to the secondary without the primary sending a REGISTER, resulting in the secondary responding with a 403.
CSCud27804	A high-pitch noise is heard with the dial tone when the phone is off-hook.
CSCuf30669	Missing XML Tag <Admin_Access></Admin_Access> added to the SPC Tool.
CSCuf60357	CPC delay and CPC duration settings are not functioning correctly.

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Tracking Number	Description
CSCua71132	Fixed an issue with RTCP; "Delay since last SR timestamp" is reported incorrectly.
CSCud85109	ATA hangs when performing stress test with SNMP enabled.
CSCtx85615	During fax transmission, FXS Line 1 fails if Line 2 goes off-hook and on-hook.
CSCud58060	ATA fails periodically while sending a v.34 fax in pass-through mode (Method=NSE) to a Cisco gateway.
CSCue45076	ATA sends excessive "NOTIFY event: reserve-trunk" when a SIP 484 is received.
CSCud56919	ATA reports incorrect firmware version in CDP/LLDP.
CSCuc85936	CWCID does not work correctly with AT&T CL2909 Model Phone.
CSCud29704	On line 2, when there is an incorrect 'tag' in the 'To' header, the call fails with a message from the soft switch '481 Call Leg/Transaction Does Not Exist'.
CSCud56798	ATA hangs occasionally during remote provisioning if CDP is enabled in the configuration file..
CSCud56813	ATA does not disable CDP through remote provisioning even when the disable settings is configured.
CSCug32425	ATA does not disable CDP through remote provisioning even if disabled in the configuration file..

## 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.

## Upgrading the Firmware

### Upgrading 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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### Upgrading the Cisco SPA302D

Perform this procedure after upgrading the Cisco SPA232D and 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.

## Release Notes

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- 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.

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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.

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## Related Information

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### Support

Cisco Small Business Support  
Community

[www.cisco.com/go/smallbizsupport](http://www.cisco.com/go/smallbizsupport)

Online Technical Support and  
Documentation (Login Required)

[www.cisco.com/support](http://www.cisco.com/support)

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<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>
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