

# Release Notes for SPA100 Series Analog Telephone Adapters Firmware Version 1.1.0

**February 2012**

These Release Notes provide information about SPA100 Series Analog Telephone Adapters firmware version 1.1.0.

## Contents

- [Enhancements, page 1](#)
- [Resolved Issues, page 2](#)
- [Known Issues](#)
- [Upgrading the Firmware, page 4](#)
- [Related Information](#)

## Enhancements

- **CDP:** Cisco Discovery Protocol - A Cisco Protocol used to share information about other directly connected Cisco equipment.
- **LLDP-MED:** Link Layer Discovery Protocol for Media Endpoint Devices - A standardized discovery protocol to allow inter-working between vendor equipment enhanced to specifically address the voice application.
- **Resync at (HHmm) [Time of Day]:** The ATA can now be configured to resynchronize with a provisioning server based on the time of day. Enter the time in 24-hour time format. This feature can be found in *Voice > Provisioning*.

## Release Notes

---

By default, this value for this option is blank, which indicates that the feature is not enabled. In the event that an invalid entry is inserted into this field, the feature will not be enabled.

In order to prevent a server from being flooded with simultaneous resync requests from many phones, the phone will automatically trigger a resync in the range of resync time plus ten minutes. For example, if the phone is configured to resync at 9:32 PM, it will resync any time between 9:32 PM and 9:42 PM [This random + 10 minutes is not user-configurable.]

Notes:

- If the Resync\_At\_\_HHmm\_ parameter is provisioned, Resync\_Periodic is ignored.
- The Resync\_At\_\_HHmm\_ parameter co-exists with all other resync parameters and resync triggers.

## Resolved Issues

- Fixed an issue in which T.38, NSE passthrough, and multi-page fax transmissions frequently failed. (CSCtr91066, CSCts95552)
- Fixed an issue in which T.38 fax fallback to G711 did not work. (CSCtt03632)
- Fixed an issue in which T.38 fax calls failed between two fax machines that were connected to the same SPA122. (CSCtu09175)
- Fixed an issue in which audio quality degraded during large file transfers. (CSCtt00428)
- Fixed an issue in which voice configuration parameters were not restored through the backup and restore functions. (CSCtr63648)
- Fixed an issue in which SIP Transport values were not saved when set through the Interactive Voice Response (IVR) options 1911 and 1921. (CSCtu08446)
- Fixed an issue in which the Remove Last Registration setting (Remove Last Reg=yes) failed to remove the registration from the proxy when the phone rebooted or when the IP address of the ATA was changed. (CSCtq50544)
- Fixed an issue in which line registrations failed when a domain name was used to identify the SIP proxy server. (CSCtr98408)

- Fixed an issue with resynchronization on reset. (CSCts86477)
- Fixed an issue in which some provisioning parameters could not be modified following synchronization to a remote profile. (CSCtu09224)
- Fixed an issue involving resynchronization with a server using 3CDaemon. (CSCto71985)
- Fixed an issue in which keypress tones were heard during a call. (CSCtq17992)

## Known Issues

- The static IP address, network mask, and gateway IP address are not successfully changed by using the IVR after disabling DHCP. (CSCtx26394)  
**Work Around:** Try again, or use the web-based configuration utility to change the settings.
- Changing the DTMF Playback Length value does not take effect. (CSCtx89777)
- There is no audio when a call is made between two IP phones on the SPA122 LAN. (CSCtt46300)
- Calls cannot be made if the primary DNS server is unreachable. (CSCtu12329)  
**Work Around:** Ensure that the primary DNS server is stable, or change the DNS server settings to ensure that reliable DNS server is listed as the primary server. See the *Network Setup > Basic Setup > Internet Settings* page.
- When SIP Transport is set to TLS, the ATA cannot connect to the secondary DNS server if the primary server is unavailable. (CSCtr76788)  
**Work Around:** Change the DNS server settings to ensure that reliable DNS server is listed as the primary server. Alternatively, on the *Voice > Line1* page (PHONE1 port) or the *Voice > Line 2* page (PHONE2 port), *Audio Configuration* section, set **SIP Transport** to **UDP** or **TCP**.
- When one ATA gets its WAN connection through another ATA, a call cannot be established between the phones that are connected to these two devices. (CSCtr30471)
- When HTTPS is selected on the *Administration > Management > Web Access Management* page, the Remote Management Port field does not

show the correct default value, 443.

**Work Around:** Enter the value 443 in the field before submitting the changes.

- The Message Waiting Indicator is not cleared after a user listens to voicemail. (CSCtx35811)
- With some DTMF settings, users may experience issues with tone dialing, as required by interactive customer service lines, for example. (CSCtn94221)  
**Work Around:** On the *Voice > Line1* page (PHONE1 port) or the *Voice > Line 2* page (PHONE2 port), *Audio Configuration* section, set the **DTMF Tx Method** to **AVT** and set **DTMF Tx Mode** to **Strict**.
- There are intermittent issues with missed DTMF detection. (CSCtr20000)
- Auto-recovery fails if the ATA is connected to a switch port with spanning-tree enabled in normal mode. (CSCtr94454)  
**Work Around:** Configure the switch port in spanning-tree portfast mode, or disable spanning-tree on the switch.

## Upgrading 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: [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 phone adapter.
  - 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.
- 

**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.

## Related Information

### Support

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>

### Downloads and Documentation

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>

### Cisco Small Business

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>

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

© 2012 Cisco Systems, Inc. All rights reserved.

78-20713-01