



Release Notes for Cisco SPA30X and SPA50X IP Phones Firmware Version 7.5.6a

Updated: May 2015

These Release Notes describe the updates and fixes in version 7.5.6a of the Cisco Small Business SPA30X and SPA50X IP Phones firmware.

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

Before You Upgrade

When you upgrade a Cisco SPA50X or Cisco SPA30X IP Phone, if you have installed a firmware version prior to 7.5.2b, you must first upgrade to 7.5.2b before you upgrade to release 7.5.3 or to a later release. See the following table for more information.

Firmware Release Installed on Your Phone	Special Instructions for Upgrading to Release 7.5.3 or Later
7.5.2b	None
7.5.1	Upgrade to 7.5.2b first, then upgrade to 7.5.3 or later.
7.4.x	
7.3.x	

Upgrade Rule Workaround

If you are upgrading using an upgrade rule, the following example can be used to successfully upgrade:

```
($SWVER lt 7.5.2b) ? tftp://server-ip/spa50x-30x-7-5-2b.bin |  
tftp://serverip/spa50x-30x-7-5-3.bin
```

where “lt” means “less than” and the command is entered in a single line. For more information on the upgrade rule, including a syntax description, see the “Upgrade Rule” section in the [Cisco Small Business IP Telephony Devices Provisioning Guide](#).



Cisco Small Business SPA30X and SPA50X IP Phones Firmware Changes for Version 7.5.6a

New Features

Broadsoft Hoteling

Hoteling is a new feature added to Broadsoft SIP servers to support a light weight extension mobility.

The Hoteling Guest feature allows a guest user to use the host device with the Guest User service profile to associate with Hoteling Host user.

WBPN Wizard Functionality on the SPA Phone

The WBPN is a dongle device which serves as a wireless access point and enables Wi-Fi capability in the SPA50x, SPA30x and SPA51x phones. Beginning from 7.5.6 release, the Wi-Fi configuration is set via the LCD menu on the phone.



Note

In the earlier releases, the Wi-Fi configuration was set by built-in webgui and windows WBPN wizard.

Feature Enhancement in Firmware Version 7.5.6a

Auto Register when Failover

A new parameter <Auto register when failover> is added to control the phone to auto-register on fail-over proxy (when fail-over action is executed.) After re-registering successfully the INVITE message is sent to new proxy.

2K Certificate

The new SPA devices support 2K client certificate. The service providers need to update root CA G35 to support previous FW on the new device with 2K client certificate.

Resolved Issues in Firmware Version 7.5.6a

Identifier	Summary
CSCCuo67921	The WBPN wizard functionality on the SPA5x5 phones generates unnecessary traffic (discovery traffic every five seconds) even if there is no WBPN adapter attached to the phone.
CSCCty33771	DND softkey to be displayed while the call is connected.
CSCCue12531	Need to support retry logic for failed message when there is a proxy failover.

Identifier	Summary
CSCue57763	The phone sends INVITE messages intermittently to the wrong outbound proxy.
CSCuf57083	The SPA50x phone sends Refer messages in an active call when Group Call Pickup is pressed.
CSCuh25063	The SPA5x5 phone has the ability to hide Xfer/Bxfer softKeys after initial network configuration.
CSCuh63598	The phone renders errors for Hebrew text on the LCD.
CSCuj56742	DTMF set for AVT is not sent reliably while using the speaker for the SPA50x phone.
CSCun62243	The SPA 50x/5x5 phone responds with an Invalid Codec.
CSCun30361	The UUT hangs when INFO message is sent from the SPA50x phone.
CSCun67648	The SPA50x phone unregisters and registers when UUT is set as the transfer target.
CSCun73318	The SPA5x5 phone LCD displays wi-fi status as WEP messy code when the phone is connected to the WBPN.
CSCun76292	The wi-fi key is not masked when the SPA5x5 and WBPN are connected.
CSCun78869	For the SPA5x5 phone, the WBPN does not support band option with A (remove all band options with A.)
CSCun78874	For the SPA5x5, WBPN security mode should be WPA2-PSK (not WPA-PSK2.)
CSCun78887	For the SPA5x5, WBPN WEP key length and format has some wrong options.
CSCuj29622	The SPA50x phone fails to send subscribe=0 on quick offhook/onhook.
CSCul20299	The SPA504 sends first RTP event for each DTMF tone with a duration of 0.
CSCul29058	The SPA504G configuration line causes reboot of the phone after loading the XML file.
CSCum85217	The SPA504 has language localization issue for Norwegian language. (The letters typed in the CiscoIPPhoneInput are translated to Norwegian.)
CSCun38662	The SPA504 phone locks up randomly while making calls using script.
CSCun62243	The SPA 50x/5x5 phone responds with an Invalid Codec.
CSCun34738	The SPA508G phone locks up intermittently with the LCD displaying "Answering" and an incoming call gets disconnected.
CSCty82148	The SPA51x phone keeps ringing even after the caller cancels the call immediately.
CSCuq63643	When DNS SRV and Auto Registration are enabled, the phone freezes while making a call.

Open Issues in Firmware Version 7.5.6a

Identifier	Summary
CSCub46017	If the font size is 12, then the Hebrew character will be cut off from the top. Note The phone does not support font size, 12 for Hebrew language.
CSCub68644	Missing a “+” sign in the numeric input on the phone for PAB number entry.
CSCud52670	The SPA phones do not support Xuser and Xpassword.
CSCuh76292	The SPA50x does not re-send another Subscribe for BLF if no Notify is received.
CSCul58905	The SPA5x5 phone displays the CFWD softkey for other call states (dialing) even if the CFWD service is disabled.
CSCun55744	The SPA5x5/51x phone XML Dictionary is missing the string, "Blind transfer number."
CSCup33429	Call Pick on KEMS works only for the first registered SIP line on the SPA5x5 phone.

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

Support	
Cisco Small Business Support Community	www.cisco.com/go/smallbizsupport
Cisco Small Business Support and Resources	www.cisco.com/go/smallbizhelp
Phone Support Contacts	www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html
Cisco Small Business Firmware Downloads	www.cisco.com/go/smallbizfirmware Select a link to download firmware for Cisco Small Business Products. No login is required.
Product Documentation	
Cisco Small Business SPA50X	www.cisco.com/go/spa500phones
Regulatory Compliance and Safety Information for the Cisco SPA300 Series and Cisco SPA500 Series IP Phones	http://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/csbpip/ip_phones/regulatory_compliance/guide/rcsi_SPA300_SPA500.pdf
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	www.cisco.com/web/partners/sell/smb
Cisco Small Business Home	www.cisco.com/smb

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