

Release Notes for Cisco Small Business SPA30X/SPA50X IP Phone Firmware Version 7.5.3

September 2012

These Release Notes describe the updates and fixes in version 7.5.3 of the Cisco Small Business SPA30X/SPA50X IP Phone firmware.

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

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- [Cisco Small Business SPA30X/SPA50X IP Phone Firmware Changes for Version 7.5.3](#)
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Before You Upgrade



CAUTION When upgrading 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 upgrading to release 7.5.3. See the following table for more information.

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

Cisco Small Business SPA30X/SPA50X IP Phone Firmware Changes for Version 7.5.3

New Features in Firmware Version 7.5.3

Hebrew Language Support

Firmware version 7.5.3 provides support for Hebrew language files for phones that are part of a SIP call control system. There are some limitations to this feature. The Hebrew language support includes:

- Twenty-seven letter Hebrew alphabet
- Modern Hebrew numeric representation (traditional Hebrew digits are not supported)
- Simple data input method with a Hebrew key map
- Display of Hebrew text using BIDI layout and Unicode consortium BIDI algorithm (including RTL and LTR)
- Hebrew dictionary for displayable strings
- Localization of management interface for right-to-left layout

The Hebrew dictionary must be installed and configured on the phone. See localization information on the Cisco Small Business Support Community for more information:

<https://supportforums.cisco.com/docs/DOC-9923>

Additional Language Support

Support has also been added for the following languages for phones that are part of a SIP call control system:

- Russia (Russian)
- Poland (Polish)
- Turkey (Turkish)
- Czechoslovakia (Czech)
- Hungary (Hungarian)
- Finland (Finnish)
- Slovakia (Slovak)
- Bulgaria (Bulgarian)
- Croatia (Croatian)

See localization information on the Cisco Small Business Support Community for more information:

<https://supportforums.cisco.com/docs/DOC-9923>

Programmable Softkey (PSK) Toggling

You can now configure PSKs to toggle, or switch between two PSK actions. This is useful when you want a user to be able to switch between two star code actions that have been defined for a PSK. For example, a PSK could be configured to toggle between turning call forwarding on and off using the “call forwarding on” star code (*72) and the “call forwarding off” star code (*73).

To configure this type of PSK, enter the following into the “PSK *name*” field in the Voice > Phone tab in the management interface:

```
fnc=sd;ext=starcode@$PROXY;nme=name;ext2=starcode@PROXY;  
nme2=name2
```

where *fnc=sd* is the function of the key (speed dial), *starcode* is the star code action to perform, *name* is the name of the first action, *ext2* is the second star code action to perform, and *name2* is the name of the second action to perform.

See the *Cisco SPA500 Series, SPA300 Series, and WIP310 IP Phone Administration Guide* for more information.

Physical Hold Button and PSK Linking

You can now configure the physical hold button on the phone to perform a star code action that has been configured as a PSK. For example, with some call control systems, putting a call on hold or resuming a held call requires the phone to send a star code to the server. With those systems, the physical hold button on the phone cannot be used to put a call on hold or resume a held call, because a star code is not sent to the server.

With this new change, you can configure a PSK to perform a call hold/resume action, then configure the physical hold button on the phone to perform that action when pressed. This is done by adding the **holdkey=yes** parameter to the softkey.

See the *Cisco SPA500 Series, SPA300 Series, and WIP310 IP Phone Administration Guide* for more information.

HTTPS Support

Secure HTTP (HTTPS) is now supported for uploading, downloading, and provisioning. HTTPS is supported on phones that are part of a SIP call control system.

HTTP Put Method Support

For the HTTP Report Method field, the *put* option is now available. This is the HTTP method used when the server invokes the phone to send a configuration file report using the HTTP protocol. This parameter is configured in the Voice > Provisioning tab in the management interface.

New Report Rule for status.xml Data

The phones can now report the status.xml data if **[--status]** is specified in the report rule. See the *Cisco SPA500 Series, SPA300 Series, and WIP310 IP Phone Administration Guide* for more information.

VeriSign CA Support

The phones now support VeriSign CA certificates.

Special Character (#) in SIP INVITE Messages

A new parameter is added to the Voice > SIP tab, in the SIP Parameters section. Normally, the IP phone sends a "%23" (escape) as part of the message when the special character # is included in the SIP INVITE message.

This can cause problems with some telephony servers that need to receive the #. The new parameter, “escape special character,” is added. When set to **yes** (the default), the phone sends a “%23” (escape) as part of the message when the # is included. When set to **no**, the # is sent directly and the escape (%23) is not used.

Resolved Issues in Firmware Version 7.5.3

Identifier	Summary
CSCua96682	Phone crashes when it receives an “as-feature-event NOTIFY” message with xml content length of zero.
CSCua72030	When configuring phones with a distinctive ringtone, the ringtone does not work if brackets are used in the configuration.
CSCub15606	Call logs are not cleared when a new user logs into the phone (using BroadSoft extension mobility).

Open Issues in Firmware Version 7.5.3

Identifier	Summary
CSCub40531	After DNS TTL renewal occurs, the Cisco SPA303 still sends the first query of DNS A to the old domain. After the first query, it then sends it to the new domain.

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/en/US/docs/voice_ip_comm/csbpipp/ip_phones/regulatory_compliance/guide/rcsi_500_series.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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