Release Notes for Cisco Small Business IP Phone SPA 50XG Firmware Version 7.4.6

August 2, 2010

These Release Notes describe the new updates and fixes in the Cisco Small Business IP Phone SPA 50XG firmware version 7.4.6.

Contents

This document includes the following topics:

- **Changes Since Cisco Small Business IP Phone SPA 50XG Firmware Version 7.4.5**
- **Known Issues**
- **Related Information**

Changes Since Cisco Small Business IP Phone SPA 50XG Firmware Version 7.4.5

Updates were made, and problems were fixed.

Updates (SIP)

- Increased maximum speaker volume.

- A deep bass audio setting for handsets was added in the web-based configuration utility and the phone user interface. There are three choices:

  - Default—Enables deep bass on the phone.

  - HiDef—Enables a redesigned equalizer that has improved high frequency.

  - Standard—Enables an equalizer that emulates a narrow-band handset.

- Enhanced Cisco SPA 502 programmable softkey display.

- Added "Programmable Softkey Enable" parameter as well as several new key lists, to be more consistent with the Cisco SPA 525G. Disabled by default. When disabled, the behavior is the same as default behavior in Firmware Release 7.4.5.

  Programmable Softkey Enable

	Programmable Softkey Enable	Programmable Softkey Disable
"Per Line" Line Navigation	Similar to 7.4.5, but with new softkey list defaults and several new softkey lists.	Exact same behavior as default 7.4.5, but softkeys are no longer programmable.
"Per Call" Line Navigation	Consistent with Cisco SPA 525G.	Softkeys change per call, but they are not programmable.

For customers who use the default 7.4.5 settings without customizing the softkeys, they can use "Per Line" navigation and disable Programmable Softkey to achieve backward compatibility.

For customers requesting exact same behavior as in 7.4.5 including the ability to customize softkeys, they should use "Per Line" navigation and enable Programmable Softkey, while changing the softkey list values to the desired ones. For backward compatibility, the newly added lists "Progressing", "Hold", "Releasing", "Shared Active" and "Shared Held" should be populated as in the "Idle" Key List.

- The "SCA Line ID Mapping" parameter has been replaced by "Line ID Mapping" which applies to private lines as well.

- Added HTTPS support in Cisco XML.

- Added support for HTTP refresh header in Cisco XML.

- Voice mail button will now start XML application if the "Voice Mail Number" starts with "http://" or "https://".

- Upgrade URL is now validated before phone enters firmware upgrade state.

- Added support for BroadSoft directed call pickup.

- Added IP dialing support for speed dials.

Updates (SPCP)

- Increased maximum speaker volume.

- A deep bass audio setting for handsets was added in the web-based configuration utility and the phone user interface. There are three choices:

  - Default—Enables deep bass on the phone.

  - HiDef—Enables a redesigned equalizer that has improved high frequency.

  - Standard—Enables an equalizer that emulates a narrow-band handset.

- Added a new parameter, "Web Server Writable." If enabled, phone web page can be updated. Parameter can be changed on the phone by choosing **Setup** > **Security Configuration** > **Web Server Writable**, and selecting **Y**.

Fixed Problems Since Firmware Version 7.4.5 (SIP)

Identifier	Summary
CSCth63174	HTTP provisioning on phone has been extended to support full path using DHCP option 66.
CSCth67580	Syslog issue when user plays music using an XML application.
CSCth64864	The range of "headset input gain" has been expanded to include +/-12 and -18.
CSCth58729	Web-based configuration utility becomes non-responsive after configuring busy lamp field.
CSCth59112	Phone should display error message when visual voice mail requests an invalid voice message.
CSCth55005	Phone does not display Transfer softkey when a call is incoming.
CSCth41341	Phone does not try to contact secondary SRV when it cannot reach primary SRV.
CSCth47753	Phone does not reboot after factory reset.
CSCth48716	Dial plan should allow numbers following # in INVITE.
CSCth47396	Codec issue with star codes in speed dials.
CSCth26711	Time zone offset issue—add new parameter, "Ignore DHCP Time Offset."
CSCth24813	One-button push speed dial configuration locks up the phone.
CSCtg28123	During a DNS query for the SIP proxy, if the server does not respond, the phone becomes unresponsive for up to two minutes while the DNS query is being retried.
CSCte15172	Cannot use directed pickup and redial with an IP dialed call.
CSCtf89564	When using secure call, after receiving DTMF with AVT, the syslog displays incorrect digits.

Identifier	Summary
CSCtg09868	Modify parameter to allow SDP descriptions to be excluded from SIP NOTIFY messages.
CSCtg69321	When a monitored line is on hold, the BLF LED does not blink.
CSCtg50437	HTTP provisioning failing when chunked transfer encoding is activated in the HTTP provisioning server.
CSCtg28124	Feature Key Synchronization call forward settings are not always sent.

Fixed Problems Since Firmware Version 7.4.5 (SPCP)

Identifier	Summary
CSCth60787	Cisco SPA 301 and Cisco SPA 501 play a noisy dial tone after call forward setup using **CFwdAll** softkey.
CSCth54481	Left and Right Arrow navigation keys do not work in EditDial screen.
CSCth53888	Phones that are registered to different Cisco Unified Communications 520 devices experience choppy audio when a call is placed on hold with music on hold configured.
CSCth35188	After entering certain digits in IVR, phone freezes.
CSCtf49549	No tone generated when pressing mute button.
CSCtg69394	Call statistic history codec wrong with incoming G.722 call.
CSCtf79544	Long phone line label should be truncated at the end instead of the front.
CSCtf49553	Updated LED color for call on hold.
CSCtg50113	Call history does not show discarded digits.
CSCtf94207	Phone does not ring for second incoming call when "call-waiting ring" is enabled.

Known Issues

There are no known significant issues at the time of release.

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. Downloads for all other Cisco Small Business products, including Network Storage Systems, are available in the Download area on Cisco.com at www.cisco.com/go/software (registration/login required).
Product Documentation	
Cisco Small Business SPA 50X IP Phones	www.cisco.com/go/spa500phones
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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