



Release Notes: SoundPoint/SoundStation IP - BootROM Software Revision

These release notes cover Polycom's SoundPoint/SoundStation IP - BootROM version 3.1.2.

Document Revision

These release notes may be updated during the life of this release as any issues are reported. This document was last updated October 17, 2005.



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Release Notes: SoundPoint/SoundStation IP - BootROM Hardware Support

This release is compatible with the following Polycom products:

- SoundPoint IP 300
- SoundPoint IP 301
- SoundPoint IP 500
- SoundPoint IP 501
- SoundPoint IP 600
- SoundPoint IP 601
- SoundStation IP 4000 SIP

Image Signatures

Cryptographic signatures have been added to all downloaded image files as a security feature. BootROM's 3.0.0 and later require that an image has a valid signature to prevent malicious code from being used. Since no prior bootROM's have this signature it is not possible to downgrade the bootROM below 3.0.0. Similarly it will not be possible to run older applications. Care should be taken when deciding to upgrade to later bootROM's.

BootROM Upgrade/Downgrade Path

Due to some enhancements that have been added to the bootROM software, it is not always possible to go to certain versions even if the hardware is compatible. The following table lists the upgrade/downgrade paths that are not supported:

From	Upgrade	Downgrade
1.x	2.x, 3.x	
2.0.x, 2.1.x	2.5.x, 2.6.x, 3.x	1.x
2.2.x	3.x	1.x, 2.0.x, 2.1.x
2.3.x, 2.4.x	3.x	1.x, 2.0.x, 2.1.x, 2.2.x
2.5.x	3.x	1.x, 2.0.x, 2.1.x, 2.2.x
2.6.x		1.x, 2.0.x, 2.1.x, 2.2.x
3.0.x		1.x, 2.x
3.1.x		1.x, 2.x
3.1.2		All versions below 3.1.2 - SSIP 4000 only



Release Notes: SoundPoint/SoundStation IP - BootROM Detailed Description of Software Revisions

Version 3.1.2

Added or Changed Features

- 13910: Prevent SSIP 4000 from downgrading to bootROM versions that have bug #13361.
- 13911: Auto detect and correct bug #13361 on SSIP 4000.

Removed Features - None.

Corrections - None.

Version 3.1.1

Added or Changed Features

- 13475: User agent headers for HTTP will include the MAC address of the phone when SAS-VP is enabled.

Removed Features - None.

Corrections

- 13361: SSIP 4000 may lose the custom CA Certificate or the SAS-VP ID after file system activity.

Version 3.1.0

Added or Changed Features

- 8761: Added IP 601 support.

Removed Features - None.

Corrections

- 11857: Phone ignores short DHCP packets on SSIP 4000 SIP.

Version 3.0.1

Added or Changed Features

- 11633: Use flash credentials when URLs lack them.



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Removed Features - None.

Corrections

- 2179: FTP password is present in the boot logs.
- 11409: Provisioning may not work reliably with the proftpd FTP server on Linux.
- 11417: Phone may not be able to boot from a remote subnet.

Version 3.0.0

Added or Changed Features

- 7663, 8970, 9299: Added ability to specify addresses as URLs.
- 7847: Added support for HTTP boot server transport for SPIP 301/501/600/601 and SSIP 4000.
- 7895: Add support for provisioning signed images only.
- 9579: Allow specific master config file to be specified in boot server URL.

Removed Features - None.

Corrections

- 9043: Phone does not reboot after a CDP VLAN change.

Version 2.6.2

Added or Changed Features - None.

Removed Features - None.

Corrections

- 8553: DHCP short packets are ignored in the bootROM. Not fixed for SoundStation IP 4000 SIP.
- 11278: DHCP decline not sent on duplicate IP address. Not fixed for SoundStation IP 4000 SIP.



Release Notes: SoundPoint/SoundStation IP - BootROM Version 2.6.1

Added or Changed Features - None.

Removed Features - None.

Corrections

- 9447: Phone fails to boot if the boot server is not present and the application is not self-provisioning.
- 9537: When using TFTP, the phone does not display the “Phone could not contact the boot server” screen.
- 9581: Phone does not format the file system if the application does not fit.

Version 2.6.0

Added or Changed Features

- 5761: Added support for the SoundStation IP 4000 SIP.
- 7175: Made TFTP file provisioning consistent with FTP.
- 8232: Added DHCP VLAN Discovery.
- 8760: Added support for the SoundPoint IP 301.

Removed Features - None.

Corrections

- 6782: Invalid <MAC>.cfg can hang the phone.
- 8548: Phone waits 2.5 minutes for SNTP to fail.

Version 2.5.1

Added or Changed Features - None.

Removed Features - None.

Corrections - None.

Version 2.5.0

Added or Changed Features

- 5116: Added support for the SoundPoint IP 300.



Release Notes: SoundPoint/SoundStation IP - BootROM Removed Features - None.

Corrections

- 5191: FTP provisioning fails if the FTP server root directory is not readable.
- 5623: Hitting the left arrow key before the cursor advances moves the cursor 2 spaces.
- 5668: Spaces in the admin password are ignored.
- 5754: Phone did not log out of FTP server after a bootROM update.

Known issues

The following problems are known to exist and will be addressed in a future release:

ID	Issue	Workaround
11277	SSIP 4000 BootROM DHCP client does not send a DHCPDECLINE.	Do not configure duplicate IP addresses in the DHCP address range.



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Distribution

The following files constitute the 3.1.2 distribution of the SoundPoint IP bootROM application. For centrally provisioned systems, copy these files to the boot server.

Files	Description
bootrom.ld	BootROM application executable version 3.1.2.0011.