

96xx Release 3.1 Service Pack 1 Readme

This file is the readme for the Avaya one-X® Deskphone Edition 9610, 9620, 9620C, 9620Lite, 9630, 9630G, 9640, 9640G, 9650, 9650C and 9670G model IP Telephones. This file describes the contents of the, September 2010, Service Pack software distribution package.

The reason for this release of the software is to provide fixes for issues not resolved in prior releases.

List of Fixed MRs in 96xx Release 3.1 Service Pack 1

MR No	Patch	Abstract
IPT00047969	3.021	DSCP enhancement for 96xx phones
IPT00045990	3.023	TTS On: Phone is not accepting first TCP connection from CM after reboot/restart
IPT00047666	3.024	DHCP from 96xx phones where the packet size is 1038
IPT00049527	3.034	Spice phones are in zombie state after CM goes through a reset system 4
IPT00048775	3.036	Guest login session auto logoff: phone is locked
IPT00051197	3.039	Symbol issue with 9640 phones in WML
IPT00051712	3.112 (3.1)	96xx 3.1 VPN issue: "1" button does not provide "@" symbol to enter credentials during boot up screen
IPT00051741 IPT00051720 IPT00051825	3.113	Memory management optimization fixes
IPT00050920	3.013b	Enhancement to the USB Power fault Patch 3.013a (IPT00049657)
IPT00048624	3.028	96xx phones are recycling due to network broadcast burst (WoL)
IPT00049222	3.030	Personalized labels being lost on the 9600 phones intermittently
IPT00049279	3.033	When calling from external number to the 96xx station set as coverage answer group the input name can not be displayed properly when the same external no. has been put in station's contact list.
IPT00051211	3.040	IPT crashes when receiving some specific traffic patterns
IPT00051435	3.045 (SP1)	96xx H323 phones fail to register when DHCP server offers an invalid IP address followed by a valid IP address
IPT00046285	3.009	Sofkeys (hold, conf, transfer, drop) are not presented upon pressing call pickup feature (R3.0)
IPT00046567	3.006	Phone backlight automatically turns OFF to ON, if phone is kept idle for 8 to 10 minutes.
IPT00054079	N/A	Phone may reboot in a particular scenario if BRURI is not SET in the 46xxsettings file Or if BRURI is set to NULL
IPT00053960	GRIP 2044	Enhancement of DNS Re-Resolution of the Backup-Restore server
IPT00054750	N/A	Phone hangs and reboots continuously when backup/restore is enabled

Known Issues in 96xx Release 3.1 Service Pack 1

MR No	Abstract
IPT00051613	Manual refresh softkey is not working.
IPT00051720	Display Push not working in certain scenarios
IPT00053137	After upgrading to 3.1.1 or 3.1 SP1 some button label letters missing on SBM
IPT00054174	96xx gets "hung" intermittently after getting message- Extension In Use # to Register
IPT00051719	96xx series phones intermittently may not get 46xxsettings.txt file when port 411(HTTPS) is used
IPT00052836	IP phone with may get stutter tone when user presses SPEAKER button
IPT00052270	96xx does not fail-over to LSP if headset or speaker button is on (active)
IPT00054377	freezes due to memory leak when https call log backup is enabled
IPT00054112	Phone does not keep TLSDIR after REUSETIME expires
IPT00053759	Login to given extension fails, truncated _96xxdata.txt.
IPT00053690	96xx does not log internal station name when calling to a busy station
IPT00054869	While the DNS Server is unreachable, Phone goes in the reboot loop

96xx Release package contents

For more information on upgrading or configuring the Avaya 9600 IP telephones, see the Avaya one-X™ Deskphone Edition for 9600 Series IP Telephones Administrator Guide for details. For information on using the 9600 IP telephones, see the user and quick reference guides for each model. All documents are available at <http://www.avaya.com/support>.

The package contains all the files necessary to upgrade Avaya 9600 IP telephones to H.323 Release 3.1 SP1. The following files are included in each package:

- ✓ [hb96xxua3_1_01s.bin](#) (signed binary for Boot Burner Application for all but 9670 models)
- ✓ [hb9670ua3_1_01s.bin](#) (signed binary for Boot Burner Application for 9670 models)
- ✓ [ha96xxua3_1_01s.bin](#) (signed binary for IPT Domestic Application for all but 9670 models)
- ✓ [ha9670ua3_1_01s.bin](#) (signed binary for IPT Domestic Application for 9670 models)
- ✓ [96xxupgrade.txt](#) - To upgrade to R3.1 SP1, you must change your 96xxupgrade.txt file. The sample upgrade script that is included in this package is generic, in that it will upgrade all existing 9600 phones to release R3.1 SP1. If you have other phones that are using this script for other firmware upgrades and installations, please note the changes between the scripts. Make a backup copy of your current upgrade script, and incorporate the binary name changes for release 3.1 SP1 into your 96xxupgrade.txt file. If you are going to modify your 46xxsettings file, make a backup copy of this file, and incorporate the feature changes for release 3.1 SP1.

√ Eight Language and Grammar files for Voice Initiated Dialing Feature:

- Ø DUN_S20_v3.tar (Dutch)
- Ø ENG_S20_v3.tar (UK English)
- Ø ENU_S20_v3.tar (US English)
- Ø FRF_S20_v3.tar (Parisian French)
- Ø GED_S20_v3.tar (German)
- Ø ITI_S20_v3.tar (Italian)
- Ø PTB_S20_v3.tar (Brazilian Portuguese)
- Ø SPE_S20_v3.tar (Spanish)

√ Sixteen predefined language files for phone display:

- Ø mlf_S31_v54_arabic.txt
- Ø mlf_S31_v54_chinese.txt
- Ø mlf_S31_v54_dutch.txt
- Ø mlf_S31_v54_english_large.txt
- Ø mlf_S31_v54_french_can.txt
- Ø mlf_S31_v54_french_paris.txt
- Ø mlf_S31_v54_german.txt
- Ø mlf_S31_v54_hebrew.txt
- Ø mlf_S31_v54_italian.txt
- Ø mlf_S31_v54_japanese.txt
- Ø mlf_S31_v54_korean.txt
- Ø mlf_S31_v54_portuguese.txt
- Ø mlf_S31_v54_russian.txt
- Ø mlf_S31_v54_spanish.txt
- Ø mlf_S31_v54_spanish_latin.txt
- Ø mlf_S31_v54_template_english.txt

√ release.xml (describes the contents of the distribution package in an XML-based format)

√ av_prca_pem_2033.txt (Avaya Product Root CA certificate)

System specific parameters should be entered into the 46xxsettings.txt file which is available for separate download at <http://www.avaya.com/support>

Configuration of easy access to WML Applications, presented under the AVAYA Menu should be entered into AvayaMenuAdmin.txt file. This file is used to set up the AVAYA Menu presentation as a mixture of WML applications and local applications.

9610 configuration has to be done differently from the other phones. WML files are configured in either the EXT#_9610data.txt or 9610data.txt and the 46xxsettings.txt files.

The Avaya Language Localization Tool allows you to create a downloadable language file with customer defined display strings for Software Release 3.1 SP1. This is available on the <http://www.avaya.com/support> site.

To upgrade your Avaya 9600 IP Telephones:

- √ Unzip the zip or executable file in the root directory of the outbound file directory of your HTTP server
- √ Make any adjustments to your 46xxsettings.txt file
- √ Reset your Avaya 9600 IP telephones

Avaya Aura™ COMMUNICATION MANAGER (CM) COMPATIBILITY

Although the 9600 IP phones are supported on Communication Manager 4.x, 5.2, 6.0 and higher, we recommend using the latest Communication Manager release with 9600 IP telephones. See the "Communication Manager Software & Firmware Compatibility Matrix" at <http://www.avaya.com/support> for the supported software/firmware versions of the Media Server, Media Gateway, and circuit packs.

- Ø CM 5.2 is the minimum version required to support the following features:
 - § PE DUP functionality
 - § Enhanced support for Station Lock feature to lock local application like Contacts, Call Log or A-Menu
 - § Mark calls in missed call log when they are redirected
- Ø CM 5.1 is the minimum version required to support the following features:
 - § Log calls as missed on busy phone, if the phone is busy because of DND, LNCC or all incoming call appearances are busy
 - § Mark calls in missed call log when they are picked up by another user
- Ø CM 4.0 is the minimum version required for native support of the 9600 IP telephones and support of the following features:
 - § TTS
 - § SRTP
 - § Feature buttons on a Soft Key
- Ø CM 4.0.3 or CM 5.0 Service Pack 2 is required to take full advantage of Team Button feature functionality.
- Ø Interoperability with CM 3.x releases:
 - § CM releases prior to 4.0 do not provide native support for the 9600 IP Telephones; it is recommended that the 9610 and 9620 IP Telephones be administered as a 4610 IP Telephone and that the 9630,9640 and 9650 IP Telephones be administered as a 4620/4621 IP Telephone.
 - § CM 3.1.3 is required to enable the "SNMP without reset" feature with 96xx phones
 - § CM 3.1.2 is required for personalization of button labels. Use of an earlier release of CM may result in corrupted button labels.
 - § CM 3.1 is required to enable G.722 wide band audio.
 - § CM 3.1 < load R013x.01.2.639.1 do not support Spice 3.0 firmware. The phone will not register to those CM loads.
- √ For 9600 SRTP operation the CM 4.0 must be provisioned with the first SRTP policy listed below:
 - Ø 1-srtp-aescm128-hmac80
 - Ø 2-srtp-aescm128-hmac32
 - Ø 3-srtp-aescm128-hmac80-unauth
 - Ø 4-srtp-aescm128-hmac32-unauth
 - Ø 5-srtp-aescm128-hmac80-unenc
 - Ø 6-srtp-aescm128-hmac32-unenc
 - Ø 7-srtp-aescm128-hmac80-unenc-unauth
 - Ø 8-srtp-aescm128-hmac32-unenc-unauth
- √ For more details refer to the H.323 configuration guide in the CM Administration Guide.

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