

## 96xx Release 3.1 Service Pack 2 Readme

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This file is the read me for the Avaya one-X® Desk phone Edition 9610, 9620, 9620C, 9620Lite, 9630, 9630G, 9640, 9640G, 9650, 9650C and 9670G model IP Telephones. This file describes the contents of the, March 2011, 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 2

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MR No	Patch	Abstract
IPT00054119	3.166	96xx Need fix from R3.148a into R3.1.1
IPT00052022	3.126	Soft Key Feature on Phone does not work for Busy-Ind feature on CM
IPT00051742	3.114a	"Moon" is replaced by "Light Off"
IPT00052418	3.114b	Issues with Lightoff icon
IPT00052719	3.135	When PHNEMERGNUM is set in 46settings file the third button from IDLEFEATURES doesn't shift to SK4
IPT00054381 IPT00054876	3.171b	96xx bootApp can not boot up from data vlan to voice vlan.
PT00052892	3.053	Incorrect button label info is appearing on phones
IPT00053832	3.152	Phone should wakeup from screen saver to Phone screen in call-pkup scenario
IPT00054677	3.175	Font size of the extension and date/time field for 9670 should be 21 pixels
IPT00053759 IPT00053137	3.165	96xx: Login to given extension fails, truncated _96xxdata.txt, After upgrading to 3.1.1 some button label letters missing on SBM modules.
IPT00054112	3.167	Phone does not keep TLSDIR after REUSETIME expires
IPT00051760	3.050	Vu-Stats not displayed correctly on 9650.
IPT00051526	3.052	Call Log for long distance numbers shows the number with last digit truncated
IPT00052840	3.140	After upgrade from 3.0 to 3.1 the phones do not display proper call control soft key buttons after hitting transfer and dial a number
IPT00054638	3.174	96xx do not update ringer after transfer for external calls
IPT00052565	3.133	Need combo patch of IPT00052270 + R3.014a
IPT00052075	3.127b	46xxsettings' options NVVPNUSER and NVVPNPSWDTYPE do not work on 96xx VPN
IPT00047983	3.027	Phones do not release data DHCP address when using LLDP for VLAN provisioning.
IPT00053744 IPT00054407	3.150	Phones send not proper Extended Power-via-MDI TLV in LLDP frame. 9620 sets after firmware upgrade (1.5 to 3.1) are requesting zero watts.

MR No	Patch	Abstract
IPT00051719	3.054	96xx series phones do not get 46xxsettings.txt file when they use port 411(HTTPS )
IPT00052427	3.132	need clarification on VLANSEP = 0 using Spice
IPT00051912	3.124	After restore, spice does not show update feedback on TSM when selecting backup
IPT00052426	3.131	96xx fail updating backup file if CM labels (phone or SBM) change
IPT00053297	3.143	96xx phones do not store the credentials for future HTTP script and backup/restore operation.
IPT00053313	3.144	Changing text size through backup file does not update label size for SBMs for 96xx.
IPT00051761	3.115	96xx Display exit main menu returning to idle when security code changed in CM.
IPT00054011	3.154	96xx confirms FURQ with wrong requestNum
IPT00054779	3.044	Combo IPT00052250 and 3.041a with 3.0SP1
IPT00054630	3.173	Combo R3.168 and fix from IPT00052250 with 3.1.1
IPT00054174	3.156	96xx gets hunged intermittently after getting message- Extension In Use # to Register
IPT00052583	3.134	issues with 9670 pairing with BT headsets
IPT00052836	3.137	IP phone with FW R3.1 get stutter tone when hit SPEAKER button
IPT00049527	3.034	R3.0SP1: Spice phones are in zombie state after CM goes through a reset system 4
IPT00055335	3.110e	While on a call second call from Call Log not possible with CALL button
IPT00055118	3.110e	96XX is sending 0.0.0.0 instead of the CM IP Address in the Base64-encoded header
IPT00052841	3.110f	96xx VPN resets if you don't log in shortly after VPN-tunnel established
IPT00055748	3.192c	R31SP1: 96xx not able to display KOREAN language, R311 works fine.
IPT00056136	3.187a	Avaya 96xx VPN phone is not using NAT-D payload 20 instead of ID
IPT00056418	3.187b	96xx VPN phone reboots at 18 hour phase 1 rekey
IPT00055716	3.171c	802.1x not able to upgrade to 3.171b
IPT00055278	3.184b	96xx AGC not working properly
IPT00056579		96xx phones do not store the credentials for future HTTP script and backup/restore operation.

## Known Issues in 96xx Release 3.1 Service Pack 2

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MR No	Abstract
IPT00053748	9670: R3.1: audio is on speaker even handset is lift
IPT00054337	R3.1: 96xx freezes due to memory leak when https calllog backup is enabled
IPT00054126	Phone does not come up correctly once Lease expires.
IPT00054537	Redirect notification does not work for 96 series phone, no half ring
IPT00054952	96xx phones not doing DHCP Release in data VLAN/1 example x
IPT00055458	9670 phone reboots after logout - login process
IPT00055686	96xx SNMP mib-2.interfaces counters not increasing
IPT00055507	Bad audio with Plantronics bluetooth device on 9670 phones.
IPT00055902	96xx 3.1.1 continuous reboot once IP Office have 13 button configured.
IPT00054660	Continual rebooting phone after resetting the phone with 2 bridged appearances >11 characters
IPT00055987	96xx IPO contact not working with extended characters.

## 96xx Release package contents

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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>.

This package contains all the files necessary to upgrade Avaya 9600 IP telephones to H.323 Release 3.1 SP2. The following files are included in each package:

- ✓ [hb96xxua3\\_1\\_02\\_S.bin](#) (signed binary for Boot Burner Application for all but 9670 models)
- ✓ [hb9670ua3\\_1\\_02\\_S.bin](#) (signed binary for Boot Burner Application for 9670 model)
- ✓ [ha96xxua3\\_1\\_02\\_S.bin](#) (signed binary for IPT Domestic Application for all but 9670 models)
- ✓ [ha9670ua3\\_1\\_02\\_S.bin](#) (signed binary for IPT Domestic Application for 9670 model)
- ✓ [96xxupgrade.txt](#) - To upgrade to R3.1 SP2, 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 SP2. 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 SP2 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 SP2.

- ✓ 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 SP2. 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 your HTTPserver.
- √ Make any adjustments to your 46xxsettings.txt file.
- √ Reset your Avaya 9600 IP telephones.

## Avaya Aura™ COMMUNICATION MANAGER (CM) COMPATIBILITY

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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.
- Ø For 9600 SRTP operation the CM 4.0 must be provisioned with the first SRTP policy listed below:
  - 1-srtp-aescm128-hmac80
  - 2-srtp-aescm128-hmac32
  - 3-srtp-aescm128-hmac80-unauth
  - 4-srtp-aescm128-hmac32-unauth
  - 5-srtp-aescm128-hmac80-unenc
  - 6-srtp-aescm128-hmac32-unenc
  - 7-srtp-aescm128-hmac80-unenc-unauth
  - 8-srtp-aescm128-hmac32-unenc-unauth
- Ø For more details refer to the H.323 configuration guide in the CM Administration Guide.

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