Avaya 1692 IP Conference Phone Release 1.1.0 (GA Release) Readme

Contents: Readme for the Avaya 1692 IP Conference Phone Software R1.1.0 (H.323 Protocol).

This file describes the contents of the **September 30, 2010 Generally Available (GA)** software distribution package.

Product Description:

- The Avaya 1692 IP Conference Phone is a H.323 based telephone that delivers an extensive set of Avaya Aura™ features directly to small, midsize and large conference rooms.

- The 1692 is a full duplex audio speakerphone capable of providing 360 degree, 12-foot microphone pickup. Automatic Gain Control intelligently adjusts microphone sensitivity based on where participants are seated in the conference room, making conversations clearer for all participants.

- RF Hardening technology resists interference from mobile phones and other wireless devices

- Room Coverage: Up to 20 x 20 feet (without extension microphones) or Up to 20 x 30 feet (with two optional extension microphones)

- The Avaya 1692 IP Conference Phone features

    o a high resolution backlit graphical display (255 x 128 pixels) which enables robust call information and multi-language support

    o Three Context-Sensitive Soft Keys to give access to common telephony features (Automatically labeled from the system).

    o Five Fixed Feature & Navigation Keys On/Off Hook, Redial, Mute and Volume Up & Down

    o Supports three call appearances.

    o Five Menu and Navigation keys

    o 12-key telephone keypad

    o Single 10/100 Base T Ethernet connection (Full Duplex Ethernet connectivity with Auto-negotiation, 802.3 Flow Control, and VLAN support)

- Note that the exact telephony features available to the 1692 user are dependent on how the system administrator configures the endpoint and server.

New features introduced as part of 1692 IP Conference Phone R1.1.0

- Expanded Language support with the following new language files
  (in addition to the R1.0.x support of English, German, French_Canada, French_France, Spanish, and Italian):
    o Chinese (Simplified)
    o Japanese
    o Portuguese
    o Russian
- New security options with 802.1x – Extensible Authentication Protocol (EAP-MD5) support

- Configuration/administration diagnostic support with 801.1AB Layer Link Discovery Protocol (LLDP) with Avaya Extreme proprietary TLVs.
- Enhanced Audio Codec options with G729 40ms support
- User Interface improvements with Active/In-Use icon
- Avaya logo is now displayed during the 1692 power up process (only applicable for factory-installed R1.1 firmware / units manufactured after October 2010).
- Administration improvements with "Mute / CLEAR" (local procedure) and VLANTEST feature
- SNMP Enable or Disable option only through SNMPSTRING. Please note the 1692 does not support SNMP community string feature but SNMPSTRING can be configured to "NULL" to disable SNMP on 1692.
- Avaya firmware version ID is reported in RRQ signaling message
- 1692 default file server protocol settings is now HTTP. Previous to Rls 1.1, the default was FTP and required manual intervention (selecting from '* to program' menu during boot-up) to modify the setting to a particular file server needed.

Problems Fixed in Avaya 1692 IP Conference Phone R1.1.0

- Improvements have been made in network registration and the software upgrade process.
- Issues with User Interface: An error tone is not generated after pressing invalid key in the 1692 menu options
- Failover with 1692 not registering to alternate gatekeeper / During network outage or server interchange, the 1692 does not re-register after the network comes back
- Support the Avaya Aura™ Registration Confirm (also referred to as "bigRCF") functionality in the RAS message

Known issues in Avaya 1692 IP Conference Phone R1.1.0

- 1692 is retaining the Time server IP even if that parameter is deleted from the DHCP server. The 1692 will take the time from ACM
- 1692 does not attempt to contact any of the next DNS Servers in the list when the first DNS server responds back with "no such name" message (Note that this feature is working as per the DNS standard specification, however the "no such name" response message may lead a user to believe the 1692 has an error).
- The 1692 does not accept the VLANTEST parameter via DHCP. However, VLANTEST can be configured through the local '* to program' menu.
- 1692 VIEW local procedure may display all the call server values configured rather than the current call server and/or file server values.
- 1692 does not have backspace when editing static IP addresses
- 1692 only accepts up to an eight digit password
- 1692 only uses the first file server configured in the DHCP SSON. Make sure the file server configured in DHCP is the active file server.
- 1692 does not detect an IP Address conflict when statically programmed along with other Avaya desktop phones.
- The 1692 will not give you its extension when that extension is taken over on another telephone, when unnamed registration is enabled on CM.
- The team button is displayed as {Null} during a logoff and login to the 1692 after adding this server feature.

Avaya 1692 IP Conference Phone R1.1.0 - Release package contents

> **For information on using the 1692 IP Conference Phone, see the user and quick reference guides. All documents are available at http://support.avaya.com.**

The release package contains all the files necessary to upgrade the Avaya 1692 IP Conference Phones Software Release 1.1.0 (H.323 Protocol).The following files are included in the release package:

- **1692_000110.bin** (APP. file)
- **bootrom.ld**   (Boot file)
- **1692upgrade.txt**   (Avaya upgrade script file)
- **000000000000.cfg** (XML file required for BootServer Process)
- **sip_backup.cfg**   (Required for TLS and Localization)
- **phone1_vcvr.cfg**   (Required for TLS and Localization)
- "**1692Localization**" folder containing all the supported language folders in it.
    - The "**1692Localization**" folder should contain the following supported language folders along with corresponding "**1692-dictionary.xml**" files:
        - French_Canada
        - French_France
        - German
        - Italian
        - Spanish
        - Chinese
        - Japanese
        - Portuguese
        - Russian
- System specific parameters should be entered into the **46xxsettings.txt** file. An example **46xxsettings.txt** file is available for separate download at http://support.avaya.com
- Note that the '**sip_backup.cfg**' and '**phone-vcvr.cfg**' files are required for TLS and Localization with the 1692 H.323 offering.   These files must be present with every upgrade package.
- The upgrade procedure strictly requires that all the files in every release need to be placed in the file server folder.
- Note that the 1692 Software Package distribution is not currently supported with the Avaya Aura Utility Server for CM R6.0.

Avaya 1692 IP Conference Phone R1.1.0 Procedures & Information

Customers upgrading from Controlled Introduction R0.99 (Load 217) or R1.0 should follow the upgrade Instructions provided in the "**Avaya 1692 IP Conference Telephone Quick Start Guide for Installation, Configuration and Software Upgrade (R1.1)**" document number 16-603718.

- The 1692 IP Conference Phone Software consists of two parts (Upgrade and downgrade facility for both the images are available):
    - o Application image
    - o BootROM image
- Bootserver menu and the entire boot process have been demarcated from application load by changing the font size.
- 1692 supports four types of file servers (FTP, TFTP, HTTP, HTTPS). The 1692 default file server protocol setting is now HTTP. Previous to Rls 1.1, the default was FTP and required manual intervention (selecting from '* to program' menu during boot-up) to modify the setting to a particular file server needed.
- The Avaya upgrade script file name is "**1692upgrade.txt**".
- The Bootserver process also expects "**000000000000.cfg"** XML file to be available in the file server directory.
- Correspondingly to the APPNAME (**1692_000xxx.bin**) given in the **"1692upgrade.txt"** file the same application name needs to be updated against **APP_FILE_PATH** field of the '**000000000000.cfg'** file.
- And **CONFIG_FILES** field into '000000000000.cfg' should contain **phone1_vcvr.cfg, sip_backup.cfg** entries.
- Also **phone1_vcvr.cfg & sip_backup.cfg** should be present in the File server directory.
- All the Language '**1692-Dictionary.xml'** file containing folder should be placed in the File server.
- Make sure the local file server has "**1692Localization**" folder without any other folder structure within the default file server path.
- Localization support for ten languages (German, French_Canada, French_France, Spanish, Italian, Japanese, Portuguese, Russian and Simplified Chinese) inclusive of the English default.
- In script file please mention **"SET SYSLANG German"** to select German locale.
- For **French** Language it needs to be mentioned as **"SET SYSLANG French_Canada"** or **"SET SYSLANG French_France"**
- SSON default value has been changed from 176 to 242.
- GOTO Usage. Example: The settings file format is noted below.

```
SET MCIPADD xxx.xxx.xxx.xxx
GOTO test1
# test1
SET OPSTAT 111
GOTO END

# test1
SET SYSLANG Spanish
GOTO END
# END
```

- IPV6 is not supported. 1692 IP Conference Phones support only IPv4 addressing format, and will ignore the addresses in IPv6 format. For example, we have the following in DHCP – **MCIPADD=xxx.xxx.xxx.xxx.xxx,zzz.zzz.zzz.zzz** then, The phone will ignore the IP address **xxx.xxx.xxx.xxx.xxx** and process **zzz.zzz.zzz.zzz** only.

COMMUNICATION MANAGER (CM) COMPATIBILITY:

- Although the 1692 IP Conference Phones are supported on Communication Manager 4.0 and higher, Avaya recommends using the latest Communication Manager (CM) release with the 1692 IP Conference Phone. See the "Communication Manager Software & Firmware Compatibility Matrix" at http://support.avaya.com for the supported software/firmware versions of the Media Server, Media Gateway, and circuit packs.
  - o CM 4.0 and above is required to support of the following features:
    - Setting Codecs G.711, G.722
    - SRTP
    - Feature buttons on a softkey
- 1692 supports only AES for SRTP (the 1692 does not support signaling encryption).
- For more details refer to the H.323 configuration guide in the CM Administration Guide.
- Note that the 1692 Software Package distribution is not currently supported with the Avaya Aura Utility Server for CM R6.0.

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