ADTRAN The Network Access Company

Release Notes
IP 700 Series Phones

Firmware Version 1.3.11
June 1, 2009

Contents

Purpose

Firmware Release 1.3.11 provides solutions to address several field issues.

Firmware Release 1.3.11 is Generally Available code. Caveats discovered during testing but not addressed in this build are listed as Errata in Appendix A.

A listing of available documents for related to this release appears in Appendix B. Configuration guides, white papers, data sheets, and other documentation may be found in ADTRAN's Knowledgebase, http://kb.adtran.com.

Important Notices

Bootrom Upgrade Required

When upgrading to firmware version 1.3.11, a bootrom upgrade to version 1.3.4 is also required. The bootrom files for each phone are included in the firmware download bundle.

Summary of Enhancements

This section highlights the enhancements for firmware version 1.3.11.

Added ability to disable Call Waiting Tone

- See the Knowledgebase article on how to disable this tone here: http://kb.adtran.com/article.asp?article=3084&p=2

Summary of Bug Fixes

This section highlights bug fixes included in firmware version 1.3.11.

Lock up with simultaneous calls

Issue Detail
- When simultaneous calls are received on a phone, the phone display may lock up. In some cases, answering the call and terminating it will clear the display. If the phone is left in the locked state, it will eventually reboot.

Lock up when receiving Caller ID containing extended ASCII characters

Issue Detail
- When the From: field in the SIP INVITE message contained an extended ASCII character, the phone would lock up. This could occur when a call was received from a Trunk Account where the calling party name contained accented characters such as É or é used in the French language.

Possible intermittent reboot

Issue Detail
- A reboot condition was found and resolved where the phone could reboot intermittently.

One-way audio during conference calls with certain codecs

Issue Detail
- If a call is connected on a phone using the G.711 codec and the user tries to conference in another phone that is using the G.729 codec, the conference will fail.

Receipt of two SIP 183 Session Progress messages cause a call to be cancelled

Issue Detail
- If at any time during a call the phone receives two 183 SIP Session Progress messages, it will issue a SIP Cancel message to terminate the call.

Phone answers with multiple codecs

Issue Detail
- When a phone received an INVITE with multiple supported codecs (G.711, G.729, etc), it would respond with all supported codecs in the order they were offered. This could sometimes result in one-way audio.

MWI LED does not light with message waiting from a Metaswitch switch

Issue Detail
- Metaswitch would send a NOTIFY message stating that there was a message but would not provide the message count. Since the count was not also included, the LED would not light. The phone will now light the MWI LED if the phone receives a NOTIFY containing "Messages-Waiting: yes".

Incorrect response to SIP Keepalive messages

Issue Detail
- Phone would respond to a SIP INFO message with 405 Method Not Allowed and an OPTIONS message with 501 Not Implemented during a call. If the keep-alive message was originated with a NetVanta 7000 series product, the call could be terminated with the incorrect response. The phone now responds to both with SIP 200 OK.

Cannot upload Personal Phonebook through firewall

Issue Detail
- Through the web interface of the IP700 Series phones, you can download the Personal Phonebook as a CSV file for editing and backup. However, if you were accessing the web interface of the phone through a firewall where a NAT translation was occurring, you could not upload the CSV file to the phone.

Phone sends RTP when it receives "sendonly" in the INVITE

Issue Detail
- When a phone receives an INVITE that contains "sendonly" in the SDP, the phone would respond with "recvonly" as expected but would continue sending RTP.

Phone pings FTP server before opening FTP connection

Issue Detail
- During the boot process, the phone pings the FTP server before attempting to open a FTP session. If it could not ping the server, then it would not download its files via FTP. Since some servers do not allow ICMP pings, the behavior has been changed to ping but initiate the FTP session regardless of the response.

Phone fails to change codec after retrieving a call from hold

Issue Detail
- After a call is placed on-hold, the phone will acknowledge the codec in the SDP but might not have used it.

Line keys stop responding

Issue Detail
- When dialing a System Speed Dial on the NetVanta 7000 Series using the *25 SPRE code, if another call is received and answered by pressing the line key the line key will stop responding.

Upgrade Instructions

To upgrade your IP 700 Series Phones, you will need to complete 3 basic steps:

1. Upload the new firmware files to your boot server via FTP.
2. Update the adtran_firmware_7xx.txt file to reflect the new software image name. See below for how to update this file.
3. Reboot the phones and confirm they download the new firmware images.

These steps are outlined in more detail below.

Uploading the new firmware

If you are using the NetVanta 7000 Series products, you can FTP the new firmware to the ADTRAN folder on the CFLASH of the product.

If you are using another SIP server, then you can upload the new firmware to the boot server used for this SIP server.

Updating "adtran_firmware_7xx.txt" manually

In the NetVanta 7000 Series products as of AOS A2.03.00, you can select the desired firmware version for the IP 706 and IP 712 phones within the web interface of the NV7000. It is located in IP Phone Configs, under Boot Settings, on the Default Firmware tab.

If you are using another SIP server/Boot server, there are config parameters used to tell the phone which version of application and boot firmware is the latest for the phone. In older versions of AOS, these parameters were contained within 2 files called "adtran_firmware_706.txt" and "adtran_firmware_712.txt". Below is an example of the contents of one of these files.

AppName apadt6r1311.ebin
BootName btadt6r1304.ebin

AppName defines the application firmware image name and BootName defines the bootrom firmware image name. All filenames are keyed to the phone type. In this example, the application filename is "apadt6r1311.ebin" which indicates this file is for the IP 706 phone. The application filename for the IP 712 would be "apadt12r1311.ebin".

Once these files are updated to reflect the new versions, upload them to the boot server and replace any existing copies there.

Rebooting the phones and confirming upload

From the NetVanta 7000 Series products, you can select the phone MAC addresses and click Sync Phones on the IP Phone Configs web page. You can confirm the FTP download of the new firmware by using the command "debug ip ftp-server" on the Command Line Interface of the NetVanta 7000 Series product.

Appendix A – Errata for 1.3.11

The following is a list of errata that still exists in 1.3.11

Line Key locks up on receipt of 604 Does Not Exist

Issue Detail
- When placing a call out a SIP Trunk to a number that is not a valid number, a SIP 604 Does Not Exist can be received. If the phone receives a 604, a busy signal is played and pressing End Call, Goodbye, or hanging up the handset does not clear the call.

Errata Justification
- Picking up the handset and re-seating it or pressing the Speakerphone key twice clears the line key.

Phone stops ringing audibly after 60 seconds

Issue Detail
- When receiving a call, the phone will ring for 60 seconds but will then stop ringing audibly.

Errata Justification
- The call pop-up window is still displayed and the call can still be answered.

The "#" character is not processed properly

Issue Detail
- When "#" is used for the end of a speed dial or SPRE code, it is not correctly interpreted as the end of dialed digits.

Errata Justification
- This will be addressed in a future firmware version.

Setting HeadsetCtl True in a config file causes low ring volume after reboot

Issue Detail
- The HeadsetCtl parameter can be set in a specific phone config file or within adtran_customer.txt on the NetVanta 7000 Series. If this parameter is set to "True" and the phone is rebooted, the ringing volume of the phone will be very low only if the phone ring volume was at maximum at the time of reboot.

Errata Justification
- The phone ring volume must be at maximum when rebooted. Also, the ring volume can be adjusted down and back up to resolve this.

Audio occasionally heard on both handset and speakerphone

Issue Detail
- When answering a call with the handset, on occasion the audio is heard on both the handset and speakerphone.

Errata Justification
- The issue is intermittent and will be addressed in a future version of firmware.

Phone freezes while changing Misc. Settings and using French language file

Issue Detail
- When using the French language and changing the Misc. Settings (Headset Switch Hook, MWI Cadence, and HFAAI), the phone menu response may slow down or lock up.

Errata Justification
- Rebooting the phone will clear the condition. This issue will be addressed in a future version of firmware.

Ringback not produced after a second

Issue Detail
- Occasionally, ringback tone may be heard briefly but not continue until the remote party answers.

Errata Justification
- This issue is still being investigated and will be addressed in a future version of firmware.

Apostrophe truncates Personal Directory

Issue Detail
- When an apostrophe is present in a field (such as Bob's, Doctor's, etc), the Personal Directory contents following the apostrophe are truncated.

Errata Justification
- Removing the apostrophe from the entry prevents this issue.
- This issue is still being investigated and will be addressed in a future version of firmware.

Appendix B – Related Documents

For configuration guides, installation guides, white papers and more, visit ADTRAN's knowledge base at http://kb.adtran.com.

Disabling the Call Waiting Beep on ADTRAN IP 700 Series Phones (New) - http://kb.adtran.com/article.asp?article=3084&p=2