



The Network Access Company

**Corporate Office**

Adtran, Inc.  
901 Explorer Boulevard  
Huntsville, AL 35806

**U.S. Mail**

P.O. Box 140000  
Huntsville, AL 35814-4000

**General Information**

800 9ADTRAN  
[info@adtran.com](mailto:info@adtran.com)  
[www.adtran.com](http://www.adtran.com)

**Pre-Sales**

**Technical Support**

800 615-1176  
[application.engineer@adtran.com](mailto:application.engineer@adtran.com)  
[www.adtran.com/support](http://www.adtran.com/support)

**Post-Sales**

**Technical Support**

888 423-8726  
[support@adtran.com](mailto:support@adtran.com)  
[www.adtran.com/support](http://www.adtran.com/support)

**ACES Help Desk**

888 874-ACES  
[aces@adtran.com](mailto:aces@adtran.com)  
[www.adtran.com/support](http://www.adtran.com/support)

# Release Notes IP 700 Series Phones

Firmware Version 1.3.16  
August 24, 2011

# Contents

Contents.....	2
Purpose.....	3
Important Notices .....	3
System Notes.....	3
Summary of Bug Fixes .....	4
Upgrade Instructions .....	5
Appendix A – Errata for 1.3.16 .....	7

## Purpose

Firmware Release 1.3.16 provides solutions to address several field issues.

Firmware Release 1.3.16 is Generally Available (GA) firmware. Prior to the GA release this firmware has been subjected to both Design Verification and Product Qualification testing as well as completed field beta testing in both supervised and unsupervised capacity. Results obtained during this testing have been evaluated and the code has been determined to be ready for general availability. Issues discovered during testing but not addressed in this build are listed as Errata in [Appendix A](#).

Documentation may be found in ADTRAN's Knowledgebase, <http://kb.adtran.com>.

## Important Notices

### Bootrom Upgrade Required

When upgrading to firmware version 1.3.16, a bootrom upgrade to version 1.3.12 is also required. The bootrom files for each phone are included in the firmware download bundle.

## System Notes

- Non-alphanumeric characters not supported in Status Group (BLF) names
- When a call is sent to the phone via an unattended transfer, the initial call from the transferor is cancelled once the transfer completes. This results in a missed call being reported on the phone.

## Summary of Bug Fixes

*This section highlights bug fixes included in firmware version 1.3.16.*

- The contrast cannot be increased by selecting the "+" symbol from the front panel of the phone. The phone can be factory defaulted to get it back to its original state or use 1.3.16 or newer application code
- Loading a 2.x.x language file onto a phone running 1.3.15 or older app code will cause the phone to lock up.

## 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” via the NV7000 web interface***

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 Globals, under Boot Settings, on the Default Firmware tab.

### ***Updating “adtran\_firmware\_7xx.txt” manually***

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 are 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 apadt6r1316.ebin
BootName btadt6r1312.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 “apadt6r1316.ebin” which indicates this file is for the IP 706 phone. The application filename for the IP 712 would be “apadt12r1316.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 1.3.16

The following is a list of errata that still exists in 1.3.16

### No ringback tone on some outbound calls

---

#### *Issue Detail*

- Phones do not play ringback when they receive a SIP 180 Ringing message if they received a SIP 183 message prior.

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

### 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.
- Rebooting the phone will clear the condition. This issue 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.
- 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.

### Phone Label or Display Name can overflow into line label

---

#### *Issue Detail*

- A Phone Label over 24 characters or a Display Name over 15 characters may overflow characters in the SIP From, To, and Contact fields in SIP messages.
- Reducing the length of the Phone Label or Display Name for the phone config eliminates this issue.

### Users can override line key with speed dial

---

#### *Issue Detail*

- From the menu of the phone, users can change the configuration of a line key from a registered extension to a speed dial. The phone must be factory defaulted to remove the speed dial.
- This issue will be addressed in a future version of firmware.

### DTMF tones continue to play on subsequent calls

---

#### *Issue Detail*

- If you hang up a call on a phone while it is receiving RFC 2833 DTMF events, future received calls will always hear the last tone received.
- It is not common for the phone to receive RFC 2833 events.
- This issue is still being investigated and will be addressed in a future version of firmware.

### Overhead soft key does not work on an idle phone

---

#### *Issue Detail*

- If you press the Overhead soft key on an idle phone, nothing happens. If you go off-hook and press the Overhead key, an INVITE to \*30 is correctly sent.
- This issue will be addressed in a future version of firmware.

### Line label incorrect when call is picked up from Public Hold

---

#### *Issue Detail*

- When a call is picked up from public hold, the SLA line label shows the registration username, not the caller ID.
- This issue will be addressed in a future version of firmware.

### Lost audio on inbound call to Ring Group

---

#### *Issue Detail*

- Occasionally, on an inbound call to a Ring Group the first 2-3 seconds of outbound audio to the caller is lost.
- This issue will be addressed in a future version of firmware.

### Calls with packetization period other than 20ms fail

---

#### *Issue Detail*

- Calls with packetization periods other than 20ms will be disconnected by the phone with a BYE as only 20ms packetization periods are currently supported.
- This issue may be addressed in a future version of firmware.

### SCA registrations incorrectly formatted with 6 or more private extensions

---

#### *Issue Detail*

- When a phone config where there are 6 or more private extensions, the SIP REGISTER message for Shared Call Appearances or Shared Line Accounts is incorrectly formatted.
- This issue will be addressed in a future version of firmware.

### Dialing via a NV7000 Status Group BLF key does not log a placed call

---

#### *Issue Detail*

- When dialing an extension by pressing the NV7000 Status Group BLF key for that extension, the call does not get recorded in the Placed Calls list.
- This issue will be addressed in a future version of firmware.