

Cisco ATA 191 and 192 Analog Telephone Adapter Release Notes for Multiplatform Firmware Release 11.2(1)

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Release Notes

These release notes support the Cisco ATA 191 and 192 Analog Telephone Adapter for Multiplatform Firmware Release 11.2(1).

The following table lists the support and protocol compatibility for the Cisco ATA.

Table 1: Cisco IP Phones, Support, and Firmware Release Compatibility

Cisco IP Phone	Protocol	Support Requirements
Cisco ATA 191 and 192	SIP	BroadSoft BroadWorks 24.0 Asterisk 13.1

Related Documentation

Use the following sections to obtain related information.

Cisco ATA 190 Series Documentation

Refer to publications that are specific to your language and call control system. Navigate from the following documentation URL:

<https://www.cisco.com/c/en/us/products/unified-communications/ata-190-series-analog-telephone-adapters/index.html>

Installation

Upgrade Firmware

The Cisco ATA 191 and 192 support dual image upgrades by TFTP, HTTP, or HTTPS.

Procedure

Step 1 Go to the following URL:

<https://software.cisco.com/download/navigator.html?mdfid=286282490&flowid=83468>

- Step 2** Choose **Cisco ATA 190 Series Analog Telephone Adapters**.
- Step 3** Choose your ATA model.
- Step 4** In the Latest Releases folder, choose **11.2.1** .
- Step 5** Download the file `ATA19x.11-2-1MPP0001-006.zip`.
- Step 6** Unzip the files.
- Step 7** Put the files on the tftp/http/https download directory.
- Step 8** Configure the Upgrade Rule on the **Provisioning** tab in the web page with the valid URL. The format is:

```
<schema>://<serv_ip[:port]>/filepath/ATA19x.xxxx.img
```

Here is an example,

```
http://192.168.1.100/firmware/ATA19X.11-2-1MPP0001-006.img
```

After the firmware upgrade completes, the phone reboots automatically.

New and Changed

E911 Geolocation Service

E911 Geolocation Service

You can register each IP-based phone with an emergency call service provider by supplying the E911 Geolocation information. Registration obtains the location of the analog phone that connects to the ATA. The location can specify the street address, building number, floor, room, and other office location information. When you dial an emergency number, the emergency service receives the phone location and a call-back number. If an emergency call disconnects, the emergency service uses the call-back number to reconnect to the caller.

To configure this feature, use the parameters under the **E911 Geolocation Configuration** section from **Voice > Line (n)** of the ATA administration web page.

Where to Find More Information

- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter Administration Guide for Multiplatform Firmware*
- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter User Guide for Multiplatform Firmware*
- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter Provisioning Guide for Multiplatform Firmware*

Remotely Initiated Problem Reports

You can initiate a problem report remotely. To do this, initiate a `SIP-NOTIFY` message from the server to the ATA, with the Event specified as `prt-gen`.

When the ATA receives the notification, it generates a PRT and sends it to the specified server when you set the parameter **PRT Upload URL**. The notification is in the form of a SIP message, and the PRT is transmitted over the HTTP and HTTPS protocol.

You can access a remotely-initiated problem report from the same location as locally-initiated problem reports on the administration web page.

This feature has no user impact.

Where to Find More Information

Cisco ATA 191 and ATA 192 Analog Telephone Adapter Administration Guide for Multiplatform Firmware

Reporting End-of-Call Statistics in SIP BYE and SIP ReINVITE Messages

This feature enables you to send call statistics to a remote end when a call terminates or is on hold. The statistics include Real-time Transport Protocol (RTP) packets sent or received, total bytes sent or received, total number of packets that are lost, delay jitter, round-trip delay, and call duration. Thus it helps the server to collect audio quality data.

- When a call terminates, the SIP BYE message appends headers such as RTP-RxStat, RTP-TxStat for audio session.
- The call statistics are sent as a new header in the BYE message or in the 200 OK message (response to BYE message).
- When a call is on hold, headers RTP-RxStat, RTP-TxStat are sent in the Re-Invite SIP message.
- When a call is put on hold, in the 200OK for this Re-Invite headers RTP-RxStat, RTP-TxStat are sent.

Where to Get More Information

- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter Administration Guide for Multiplatform Firmware*

Serviceability Enhancements**New Log Modules Support for Audio Issues**

You can enable the debug logging for the audio related issues. After you enable the audio debug logging, you can track what happened and troubleshoot audio related issues according to Real-time Transport Protocol (RTP), facsimile (Fax), and the voice related messages.

To enable the specific log modules, use the **CSSD_RTP**, **CSSD_FAX**, or **CSSD_ANY** fields from the **Administrator > Log > Debug Log Module** page.

Where to Find More Information

- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter Administration Guide for Multiplatform Firmware*
- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter User Guide for Multiplatform Firmware*
- *Cisco ATA 191 and ATA 192 Analog Telephone Adapter Provisioning Guide for Multiplatform Firmware*

Caveats**Access Cisco Bug Search**

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of the following:

- All severity level 1 or 2 bugs
- Significant severity level 3 bugs

You can search for problems by using Cisco Bug Search.

Before you begin

To access Cisco Bug Search, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

Procedure

- Step 1** To access Cisco Bug Search, go to:
[https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=274259360&rls=11.2\(1\)&sb=anfr&sts=fd&svr=6nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=274259360&rls=11.2(1)&sb=anfr&sts=fd&svr=6nH&bt=custV)
- Step 2** Log in with your Cisco.com user ID and password.
- Step 3** To look for information about a specific problem, enter the bug ID number in the Search for field, then press **Enter**.
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View Caveats

You can search for caveats using the Cisco Bug Search.

Known caveats (bugs) are graded according to severity level, and can be either open or resolved.

Before you begin

To view caveats, you need the following items:

- Cisco.com user ID and password

Procedure

- Step 1** Use this URL for all and resolved caveats: [https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=274259360&rls=11.2\(1\)&sb=fr&sts=fd&svr=6nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=274259360&rls=11.2(1)&sb=fr&sts=fd&svr=6nH&bt=custV)
- Step 2** When prompted, log in with your Cisco.com user ID and password.
- Step 3** (Optional) Enter the bug ID number in the Search for field, then press **Enter**.
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Open Caveats

This release for Cisco ATA 191 and 192 Analog Telephone Adapter Multiplatform Phones does not have any open caveats.

Resolved Caveats

The following list contains severity 1, 2, and 3 defects that are resolved for the Cisco ATA 191 and 192 Analog Telephone Adapter Multiplatform Phones for Firmware Release 11.2(1)

For more information about an individual defect, access the Bug Search toolkit and search for the defect using the Identifier. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, the list reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in [Access Cisco Bug Search, on page 3](#).

- CSCvx05795: MPP ATA19x - Can not make call for some time
- CSCvx05785: MPP ATA19x - No audio on either side due to RTP start failure
- CSCvx94262: ATA19x intermittent one-way and big noise audio during call
- CSCvw73093: MPP ATA19x - Setting TR69 Parameters with empty string values will result in TR069 server disconnect
- CSCvw60654: ATA19x should not send AAAA dns query for IPV4 only case
- CSCvw56885: ATA19x flooding DNS requests
- CSCvx28351: ATA19x enter restart loop due to domain name can not be provisioned
- CSCvx75578: MPP ATA19x unexpected reboot due to kernel tick error
- CSCvx75523: ATA19x Firmware download error for http server chunk mode
- CSCvx63611: ATA19x initial connection removed for no UserID scenario to avoid multiple TCP connection attempts
- CSCvx63566: ATA19x lost IP address when it is idle
- CSCvx48193: Evaluation of 3pcc-ata19x for Web UI Privilege Escalation and Command Injection
- CSCvx61614 - MPP ATA19x certificate issue during provisioning due to NTP time response delay
- CSCvy30310: ATA19x MPP does not include MAC in the certificate it supplies for HTTPS PRT uploading
- CSCvy11161: ATA19x MPP provides no "User-Agent" header for HTTP PRT uploading
- CSCvy05269: ATA19x MPP provides no TLS certificate for HTTPS PRT uploading
- CSCvy06654: MPP ATA19x needs to recover in case TCP/SSL handshake is stuck
- CSCvx65307: ATA19x does not send correct caller ID or call waiting caller ID signaling to UK analog phones
- CSCvy50632: MPP ATA19x cannot register with static SRV outbound proxy configuration
- CSCvw22570: ATA19x will lose wan IP after icmpsic flooding attack. PSIRT-0739134501
- CSCvx61614: Certificate handling enhancement during provisioning with NTP server response time delay

Limitations and Restrictions

Phone Behavior During Times of Network Congestion

- Administrative tasks, such as an internal port scan or security scan
- Attacks that occur on your network, such as a Denial of Service attack

Caller Identification and Other Phone Functions

Caller identification or other phone functions have not been verified with third-party applications for the visually or hearing impaired.

Cisco IP Phone Firmware Support Policy

For information on the support policy for phones, see <https://cisco.com/go/phonefirmwaresupport>.

