



Cisco ATA 190 Analog Telephone Adapter Release Notes for Firmware Release 1.2(2)SR1

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These release notes support the Cisco 190 Analog Telephone Adapter (ATA) running Firmware Release 1.2(2)SR1.

The following table lists the support and protocol compatibility for the Cisco ATA 190.

Table 1: Cisco ATA 190 Support and Firmware Release Compatibility

Cisco IP Phone	Protocol	Support Requirements
Cisco ATA 190	SIP	Cisco Unified Communications Manager 10.5(1) and later Cisco Unified Communications Manager DST Olsen version D or later SRST 8.0 (IOS load 15.1(1)T) and above
Cisco ATA 190	SIP	CME 10.0 (IOS load 15.3(3)M)

Related Documentation

Use the following sections to obtain related information.

Cisco Unified Communications Manager Documentation

See the *Cisco Unified Communications Manager Documentation Guide* and other publications that are specific to your Cisco Unified Communications Manager release. Navigate from the following documentation URL:

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/tsd-products-support-series-home.html>

Cisco Unified Communications Manager Express Documentation

See the Cisco Unified Communications Manager Express publications that are specific to your Cisco Unified Communications Manager Express release. Navigate from the following documentation URL:

<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-express/tsd-products-support-series-home.html>

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

Installation Requirements

Before you install the firmware release, you must ensure that your Cisco Unified Communications Manager is running the latest device pack. After you install a device pack on the Cisco Unified Communications Manager servers in the cluster, you need to reboot all the servers.



Note If your Cisco Unified Communications Manager does not have the required device pack to support this firmware release, the firmware may not work correctly.

For information on the Cisco Unified Communications Manager Device Packs, see http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/compat/devpack_comp_mtx.html.

Install the Firmware Release on Cisco Unified Communications Manager

Before you use the Cisco Analog Telephone Adapter with Cisco Unified Communications Manager 10.5, or higher, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

Besides Cisco Unified Communications Manager, the Cisco ATA 190 can also work with Cisco Unified Communications Manager Express and Cisco Unified Survivable Remote Site Telephony (SRST). Refer to the [Related Documentation, on page 1](#) section for more information.

Procedure

- Step 1** Go to the following URL:
<https://software.cisco.com/download/navigator.html?mdfid=268437683&flowid=77852>
 - Step 2** Choose **ATA 190 Series Analog Telephone Adapters > ATA 190 Analog Telephone Adapter**.
 - Step 3** In the Latest Releases folder, choose **1.2(2)SR1**.
 - Step 4** Select **cmterm-ata190.1-2-2-003_SR1-1.k3.cop.sgn** firmware, click the Download or Add to cart button, and follow the prompts.
 - Step 5** Click the + next to the firmware file name in the Download Cart section to access additional information about this file. The hyperlink for the readme file is in the Additional Information section, which contains installation instructions for the corresponding firmware.
 - Step 6** Follow the instructions in the readme file to install the firmware.
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Install Zip Files

Before you use the Cisco Analog Telephone Adapter with Cisco Unified Communications Manager 10.5, or higher, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

Besides Cisco Unified Communications Manager, the Cisco ATA 190 can also work with Cisco Unified Communications Manager Express and Cisco Unified Survivable Remote Site Telephony (SRST). Refer to the [Related Documentation, on page 1](#) section for more information.

Procedure

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- Step 1** Go to the following URL:
<https://software.cisco.com/download/navigator.html?mdfid=268437683&flowid=77852>
- Step 2** Choose **ATA 190 Series Analog Telephone Adapters > ATA 190 Analog Telephone Adapter**.
- Step 3** In the Latest Releases folder, choose **1.2(2)SR1**.
- Step 4** Select **cmterm-ata190.1-2-2-003_SR1-1.zip** firmware, click the Download or Add to cart button, and follow the prompts.
- Step 5** Click the + next to the firmware file name in the Download Cart section to access additional information about this file. The hyperlink for the readme file is in the Additional Information section, which contains installation instructions for the corresponding firmware.
- Step 6** Follow the instructions in the readme file to install the firmware.
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Limitations and Restrictions

Manufacturing Installed Certificate Signature and SHA-256 Support

The manufacturing installed certificate(MIC) signature has been updated from SHA-128 with RSA to SHA-256 with RSA. You must update and install the new SHA-2 certificates on the Cisco Unified Communications Manager for secure mode to function. You can download the new certificate from <http://www.cisco.com/security/pki/certs/cmca2.cer>.

All applications that authenticate the phone MIC should update the MIC, including the following:

- Cisco Unified Communications Manager
- Cisco Unified Survivable Remote Site Telephony
- Cisco Secure Access Control System
- Cisco Identity Services Engine

For additional information about SHA-2 use and support, see *Security Guide for Cisco Unified Communications Manager* (<https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html>).

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect phone voice and in some cases can cause a call to drop. Sources of network degradation can include, but are not limited to, the following activities:

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

Caveats

This section describes the resolved and open caveats, and provides information on accessing the Cisco Software Bug Toolkit.

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.

Firmware Release 1.2(2)SR1 for Cisco ATA 190 Analog Telephone Adapter does not have any open caveats.

Before you begin

To view caveats, you need the following items:

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

Procedure

- Step 1** Perform one of the following actions:
- Use this URL for all caveats: <https://bst.cloudapps.cisco.com/bugsearch/search?kw=Customer%20visible%20bug%20for%20ATA190%201.2.2SR1&pf=prdNm&sb=anfr&bt=custV>
 - Use this URL for resolved caveats: <https://bst.cloudapps.cisco.com/bugsearch/search?kw=Customer%20visible%20bug%20for%20ATA190%201.2.2SR1&pf=prdNm&sb=fr&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

Firmware Release 1.2(2)SR1 for Cisco ATA 190 Analog Telephone Adapter does not have open caveats.

Resolved Caveats

The following list contains the severity 1, 2, and 3 defects that are resolved for the Cisco ATA 190 Analog Telephone Adapter for Firmware Release 1.2(2)SR1.

For more information about an individual defect, you can access the online record for the defect from the Bug Search Toolkit. 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 or to view specific bugs, access the Bug Search Toolkit as described in [View Caveats, on page 4](#).

- CSCuz26542: All RTP Event Packet sent from ATA 190 has the Marker Bit Set to True
- CSCva63647: ATA190 does not respond when it receives multiple NSF
- CSCva71482: ATA-190 does not accept SIP port 5062
- CSCva44425: ATA190 unable to register with TLS when CTL file is larger than 25k
- CSCvb87575: ATA-190 doesn't negotiate RTP-NTE when registered on CME
- CSCvc12056: ATA190 - Failure in parsing timer value in cnf.xml file if CUCM interchanges the 'Index' parameter
- CSCvc39400: ATA 190 sends 480 Temporarily not available after 60 seconds.
- CSCvc56134: ATA sending NSE parameter without 'X' in the SDP
- CSCvc72702: Disable Multicast on ATA190
- CSCvc74369: ATA190 replies back with 481 Call leg/Transaction Does not Exist to Cancel
- CSCvd18572: ATA 190 after switching to T38 sends DSCP CS0 instead of EF
- CSCvd37048: ATA190 one audio issues caused by race condition during codec change
- CSCvd75670: Handle unexpected socket error in TLS connection
- CSCvf16224: Echo cancellation not working as expected, causing echo on IP leg on ATA190 calls
- CSCvg24331: ATA 190 not accepting the TFTP IP from the DHCP offer
- CSCvg07718: Fax Passthrough results in bad quality page transmission with ATA 190
- CSCuy54633: Evaluation of ata190 for OpenSSL March 2016
- CSCux41443: Evaluation of ata190 for OpenSSL December 2015 vulnerabilities
- CSCvb48690: Evaluation of ata190 for Openssl September 2016
- CSCuz52534: Evaluation of ata190 for OpenSSL May 2016
- CSCvn84966: cURL and libcurl NTLM Password Buffer Overflow Vulnerability
- CSCvi00852: ATA190 Sending Invalid fax pass-through parameter in SDP "a=fax"
- CSCuz33129: ATA190 Need remote restart capability in Web GUI
- CSCvg40954: ATA send silence through RTP
- CSCvh27628: ATA 190 unable to handle Mirror Frequency effect for Inbound Fax Passthrough signal
- CSCvk15738: ATA 190 cannot accept CallManager certificate that is longer than 2048 bytes - TLS fails
- CSCvk29369: ATA 190 crashing, going unregistered and requiring restart to regain function
- CSCvm03581: ATA-190 does SUBSCRIBE for shared-line number on CME
- CSCvi29663: ATA 190 unregisters every 20 mins if registered in SIP TLS mode

- CSCvp09761: ATA 190 over WAN crashes and unregisters requiring a reboot to recover
- CSCvn16347: ATA 190 crashing, going unregistered for fax calls
- CSCuv18802: MOH as well as beep tone is played for analog user(ATA)during hold

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

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- Step 1** To access Cisco Bug Search, go to:
<https://tools.cisco.com/bugsearch>
- 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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Cisco IP Phone Firmware Support Policy

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

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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