

Release Notes for WAP121 Access Point with Single Point Setup and the WAP321 Selectable-Band Access Point with Single Point Setup Firmware Version (1.0.6.7-1.0.2.3)

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Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.6.7

August 2018

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.6.7.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Resolved Issues

The following issues have been fixed in the firmware version 1.0.6.7:

Ref Number	Description
CSCvj97472	Symptom: WAP121 TKIP Countermeasure Denial of Service.
CSCvj29229	Symptom: WAP121 Cipher Downgrade Vulnerability.

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.6.6

December 2017

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.6.6.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

New Features and Enhancements

Update the OpenSSL to 1.0.2l

NTP update to version 4.2.8p10

Resolved Issues

The following issue has been fixed in the firmware version 1.0.6.6:

Ref Number	Description
CSCvf96789	Symptom: Key Reinstallation attacks against WPA protocol.

Known Issues

The following table lists the known issues in firmware version 1.0.6.5:

Ref Number	Description
CSCul96092	Symptom: On latest builds user is able to configure SSID with all special characters. But on the networks help page, help content is not updated accordingly. Workaround: None
CSCuv95869	Symptom: VAP scheduler disrupts wifi. Workaround: None

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.6.5

October 2016

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.6.5.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

New Features and Enhancements

Update the OpenSSL to 1.0.2j

Resolved Issues

The following issues have been fixed in the firmware version 1.0.6.5:

Ref Number	Description
CSCuz85413	Symptom: SNMP MIB Compile failed.
CSCuz85295	Symptom: Some Online Help wrongly displayed.
CSCuy47293	Symptom: WAP321: Unable to upload https certificate with Firmware 1.0.6.2.
CSCuz14220	Symptom: WAP321: Radio reset due to heavy interference.

Known Issues

The following table lists the known issues in firmware version 1.0.6.5:

Ref Number	Description
CSCul96092	Symptom: On latest builds user is able to configure SSID with all special characters. But on the networks help page, help content is not updated accordingly. Workaround: None
CSCuv95869	Symptom: VAP scheduler disrupts wifi. Workaround: None

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.6.2

July 2015

These release notes describe the known issues in the Cisco WAP121 and WAP321 Wireless Access Points firmware version 1.0.6.2.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Resolved Issues

The following issues have been fixed in the firmware version 1.0.6.2:

Ref Number	Description
CSCus75139	Symptom: WAP321 Intermittently wireless client doesn't get IP from DHCP server.
CSCuu02755	Symptom: WAP321: Error message containing unknown opt message filling logs.

Known Issues

The following table lists the known issues in firmware version 1.0.6.2:

Ref Number	Description
CSCul96092	Symptom: On latest builds user is able to configure SSID with all special characters. But on the networks help page, help content is not updated accordingly. Workaround: None
CSCuv95869	Symptom: VAP scheduler disrupts wifi. Workaround: None

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.5.3

October 2014

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.5.3.

New Features and Enhancements

Complied with new CE regulation:

- WAP121 – Support EN 300328 v1.8.1
- WAP321 – Support EN 300328 v1.8.1 and EN 310893 v1.7.1

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later

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- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Resolved Issues

The following issue has been fixed in the firmware version 1.0.5.3:

Ref Number	Description
CSCul37277	Symptom: WAP321 Stops replying to pings if untagged VLAN is disabled.

Known Issues

The following table lists the known issues in firmware version 1.0.4.4::

Ref Number	Description
CSCty78355	Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.
CSCuh55641	Symptom: Unable to enter Username with hyphen (-) in the Mail Server Configuration. Workaround: Do not use hyphen in the username.
CSCuh42442	Symptom: When users assign a schedule profile to VAP, the schedule rule only impacts the defined scope. Weekend refers to Sunday and Saturday and daily means every day. Workaround: None
CSCul96092	Symptom: On latest builds user is able to configure SSID with all special characters. But on the networks help page, help content is not updated accordingly. Workaround: None

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.4.4

December 2013

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.4.4.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Resolved Issues

The following issues have been fixed in the firmware version 1.0.4.4:

Ref Number	Description
CSCuf27908	Symptom: When using MAC authentication with a Radius server, the AP may hang then reboot when the soft watchdog timer expires.
CSCui03102	Symptom: Apple clients performance issue.
CSCul99063	Symptom: S5P4: Change order of captive portal configuration options.

Known Issues

The following table lists the known issues in firmware version 1.0.4.4:

Ref Number	Description
CSCty78355	Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.
CSCuh55641	Symptom: Unable to enter Username with hyphen (-) in the Mail Server Configuration. Workaround: Do not use hyphen in the username.
CSCuh42442	Symptom: When users assign a schedule profile to VAP, the schedule rule only impacts the defined scope. Weekend refers to Sunday and Saturday and daily means every day. Workaround: None
CSCul96092	Symptom: On latest builds user is able to configure SSID with all special characters. But on the networks help page, help content is not updated accordingly. Workaround: None

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.4.2

July 2013

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.4.2.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Resolved Issues

The following issues have been fixed in the firmware version 1.0.4.2:

Ref Number	Description
CSCub46043	Symptom: Untagged packets are treated as tagged packets on the VAP interface.
CSCue70448	Symptom: Deleting an SNMP group (related with a user 1) prevents the addition of any other SNMP users unless user 1 is first deleted.
CSCue74057	Symptom: Problem with IPv6 Radius authentication.
CSCue51459	Symptom: Unable to save redirect URL in captive portal instance.
CSCub45975	Symptom: In a radio saturated environment, Work Group Bridge mode can take from three to seven minutes to establish connectivity with the remote upstream access point.

Known Issues

The following table lists the known issues in firmware version 1.0.4.2::

Ref Number	Description
CSCty78355	Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.
CSCue24521	Symptom: Some clients may lose wireless connection when authenticating via Captive portal. Workaround: Reconnect wireless devices.
CSCtx04467	Symptom: When DHCP connectivity is changed to a static IP address, the browser does not automatically redirect the web-based configuration utility to the new IP address. Workaround: Type in the new static IP address into the URL field and login again.
CSCuh58747	Symptom: An error message is displayed when the WorkGroup Bridge is enabled and the Access Point Interface SSID is set up same as the Infrastructure Client Interface SSID. Workaround: Configure different SSIDs.
CSCuh55641	Symptom: Unable to enter Username with hyphen (-) in the Mail Server Configuration. Workaround: Do not use hyphen in the username.
CSCuh42442	Symptom: When users assign a schedule profile to VAP, the schedule for specific weekdays is assigned incorrectly. Workaround: None.

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.3.4

March 2013

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.3.4.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

New Features and Enhancements

Wireless security enhancement. After resetting the access point to factory defaults, it will use WPA2-PSK security with a device-generated random key.

Resolved Issues

The following issues have been fixed in the firmware version 1.0.3.4:

Ref Number	Description
CSCub46649	Symptom: While operating WDS Bridging using a 2.4 GHz band with a 20/40 MHz channel bandwidth, the WDS links may disconnect. The radio can change from 40 MHz to 20 MHz if any 20 MHz devices are detected in the area, resulting in a mismatch of channel bandwidths throughout the WDS devices
CSCud39468	Symptom: Mobile device users received HTTP 404 with Captive Portal.

Known Issues

The following table lists the known issues in firmware version 1.0.3.4::

Ref Number	Description
CSCty78355	Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.
CSCue70448	Symptom: Deleting an SNMP group (related with a user 1) prevents the addition of any other SNMP users unless user 1 is first deleted. Workaround: Delete the group and all users in the group at the same time.
CSCue51459	Symptom: Unable to a redirect URL in a captive portal instance. Workaround: Use a URL path without extensions at the end of the URL.
CSCue24521	Symptom: Some clients may lose wireless connection when authenticating via Captive portal. Workaround: Reconnect wireless devices.
CSCub46043	Symptom: When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.
CSCub45975	Symptom: In a radio saturated environment, Work Group Bridge mode can take from three to seven minutes to establish connectivity with the remote upstream access point.
CSCtx04467	Symptom: When DHCP connectivity is changed to a static IP address, the browser does not automatically redirect the web-based configuration utility to the new IP address. Workaround: Type in the new static IP address into the URL field and login again.

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.2.3

January 2013

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.2.3.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

New Features and Enhancements

This release provides support for Single Point Setup, a simple multi-access point deployment and management technology. For more information on Single Point Setup, including configuration steps, see the [Cisco Small Business WAP121 and WAP321 Administration Guide](#) on Cisco.com.

Resolved Issues

The following issue has been fixed in the firmware version 1.0.2.3:

Ref Number	Description
CSCtx68659	Symptom: Bonjour does not operate at the very first bootup of the WAP321 device.

Known Issues

The following table lists the known issues in firmware version 1.0.2.3:

Ref Number	Description
CSCty78355	<p>Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.</p>
CSCub46649	<p>Symptom: While operating WDS Bridging using a 2.4 GHz band with a 20/40 MHz channel bandwidth, the WDS links may disconnect. The radio can change from 40 MHz to 20 MHz if any 20 MHz devices are detected in the area, resulting in a mismatch of channel bandwidths throughout the WDS devices.</p> <p>Workaround: Configure WDS links using the 20 MHz channel bandwidth.</p>
CSCub46043	<p>Symptom: When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.</p>
CSCub45975	<p>Symptom: In a radio saturated environment, Work Group Bridge mode can take from three to seven minutes to establish connectivity with the remote upstream access point.</p>
CSCtx04467	<p>Symptom: When DHCP connectivity is changed to a static IP address, the browser does not automatically redirect the web-based configuration utility to the new IP address.</p> <p>Workaround: Type in the new static IP address into the URL field and login again.</p>

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.1.10

August 2012

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.1.10.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Limitations

Due to security concerns, Telnet and SSH access options are removed in firmware version 1.0.1.10.

Resolved Issues

The following issues have been fixed in the firmware version 1.0.1.10:

Ref Number	Description
CSCtx60443	Symptom: Closed. Functioning as designed. Create additional ACL rules or a Layer 3 network design.
CSCtx08343	Symptom:
CSCtx04211	Symptom:
CSCtw87635	Symptom:

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Ref Number	Description
CSCtw70914	Symptom:
CSCtw62382	Symptom:
CSCtw47624	Symptom:
CSCts99306	Symptom:

Known Issues

The following table lists the known issues in firmware version 1.0.1.10::

Ref Number	Description
CSCty78355	Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.
CSCub46649	Symptom: While operating WDS Bridging using a 2.4 GHz band with a 20/40 MHz channel bandwidth, the WDS links may disconnect. The radio can change from 40 MHz to 20 MHz if any 20 MHz devices are detected in the area, resulting in a mismatch of channel bandwidths throughout the WDS devices. Workaround: Configure WDS links using the 20 MHz channel bandwidth.
CSCub46043	Symptom: When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.
CSCub45975	Symptom: In a radio saturated environment, Work Group Bridge mode can take from three to seven minutes to establish connectivity with the remote upstream access point.

Ref Number	Description
CSCtx68659	<p>Symptom: Bonjour does not operate at the very first bootup of the WAP321 device. Even though the Bonjour feature shows enabled on the web-based configuration utility, Bonjour-enabled browsers or Cisco FindIT cannot access the WAP321 device.</p> <p>Workaround: Manually reset the WAP321 by pressing the Reset button on the device. Once the device is rebooted, the Bonjour name can be accessed by Bonjour-enabled browsers or Cisco FindIT.</p>
CSCtx04467	<p>Symptom: When DHCP connectivity is changed to a static IP address, the browser does not automatically redirect the web-based configuration utility to the new IP address.</p> <p>Workaround: Type in the new static IP address into the URL field and login again.</p>

Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.0.3

April 2012

These release notes describe the changes in the WAP121 and WAP321 Wireless Access Points firmware version 1.0.0.3.

Requirements

Your computer must meet the recommended hardware and software requirements.

A computer with Browser support for:

- Internet Explorer v7.0 or later
- Chrome v5.0 or later
- Firefox v3.0 or later
- Safari v3.0 or later

Limitations

When working with an SSL Certificate, use only a file with a .pem extension. Others files with extensions such as: cer, .crt, or .key will fail.

Resolved Issues

This is a new release.

Known Issues

The following table lists the known issues in firmware version 1.0.0.3:

Ref Number	Description
CSCty78355	<p>Symptom: The Cisco WAP321 and WAP121 devices do not support multicast traffic over Work Group Bridge mode. This is a design limitation of the Wireless Ethernet in Work Group Bridge. Work Group Bridge translates and maps an IP address to a MAC address in the WET table, which works only for Unicast IP addresses.</p>
CSCtx60443	<p>Symptom: Captive Portal fails to authenticate WLAN clients if the Captive Portal-enabled VAP interfaces and the AP management VLAN are assigned different IP subnets while Inter-VLAN Routing is disabled.</p> <p>Workaround: Dedicate a single WAP321 for Captive Portal hotspot service with a different VLAN subnet network.</p> <p>Workaround: Another workaround is to enable Inter-VLAN Routing and apply advanced access control lists (ACLs) on the connected router, and purposely segregate the AP management VLAN from other VLANs assigned on Captive Portal-enabled VAP interfaces.</p>
CSCtx68659	<p>Symptom: Bonjour does not operate at the very first bootup of the WAP321 device. Even though the Bonjour feature shows enabled on the configuration utility, Bonjour-enabled browsers or Cisco FindIT cannot access the WAP321 device.</p> <p>Workaround: Manually reset the WAP321 by pressing the Reset button on the device. Once the device is rebooted, the Bonjour name can be accessed by Bonjour-enabled browsers or Cisco FindIT.</p>
CSCtx08343	<p>Symptom: The DHCP process fails to retrieve a new IP address if the WAP device is in operation and the LAN cable is moved from one LAN to another.</p> <p>Workaround: Reconnect the LAN cable back to old network and click Restart from the web-based configuration utility. Move the LAN cable immediately to the new LAN network after clicking Restart.</p>

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Ref Number	Description
CSCtx04467	<p>Symptom: When DHCP connectivity is changed to a static IP address, the browser will not automatically redirect the web-based configuration utility to the new IP address.</p> <p>Workaround: Type in the new static IP address into the URL field to login again.</p>
CSCtx04211	<p>Symptom: In Wireless Settings > Networks > Configuring VAPs if you click HTTP Redirect, but then unclick it, you are still required to enter Redirect URL data before saving.</p> <p>Workaround: Enter a HTTP/HTTPS URL link and click Save. Then click on any sub-menu tree item from the left of the web-based configuration utility to exit without saving.</p>
CSCtw87635	<p>Symptom: Enabling Client QoS on SSID 1 during WDS Bridge mode will disassociate bridge connections.</p> <p>Workaround: Enable Client QoS on VAP's other than 0.</p>
CSCtw70914	<p>Symptom: Packet Capture fails to work using the Local file option using the WDS interface.</p> <p>Workaround: Use the Remote option while using the WDS interface.</p>
CSCtw62382	<p>Symptom: When using SNMP to backup the configuration file, apFileUpload does not work.</p> <p>Workaround: Use the web interface to do the backup, or if using SNMP, use apFileTransfer instead.</p>
CSCtw47624	<p>Symptom: After a factory reset, the scheduler does not work properly until the WAP device is power cycled.</p> <p>Workaround: After setting the scheduler for the first time, reboot the device and the scheduler will function properly.</p>

Ref Number	Description
CSCts99306	<p>Symptom: In some scenarios, associated WLAN clients will fail redirecting to the configured Redirect URL due to uncontrolled traffic originating on the client side without user input.</p> <p>Workaround: Replaced the <i>HTTP redirect without Captive Portal</i> feature with the <i>Redirect URL</i> feature on the Captive Portal > Instance Configuration page. To redirect a URL, use the <i>Redirect URL</i> feature on the Captive Portal > Instance Configuration page.</p>

Related Information

Support	
Cisco Small Business Support Community	www.cisco.com/go/smallbizsupport
Cisco Small Business Support and Resources	www.cisco.com/go/smallbizhelp
Phone Support Contacts	www.cisco.com/go/sbsc
Cisco Small Business Firmware Downloads	www.cisco.com/go/smallbizfirmware Select a link to download firmware for Cisco Small Business Products. No login is required. Downloads for all other Cisco Small Business products, including Network Storage Systems, are available in the Download area on Cisco.com at www.cisco.com/go/software (registration/login required).
Cisco Small Business Open Source Requests	www.cisco.com/go/smallbiz_opensource_request
Product Documentation	
Cisco Small Business WAP121 and WAP321 Wireless-N Access Point with PoE	http://www.cisco.com/go/100_wap_resources or http://www.cisco.com/go/300_wap_resources
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	www.cisco.com/web/partners/sell/smb
Cisco Small Business Home	www.cisco.com/smb

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