

# Release Notes for the WAP121 Wireless-N Access Point with Single Point Setup and the WAP321 Wireless-N Selectable-Band Access Point with Single Point Setup

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# Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.3.4

**Version** 1.0.3.4

March, 2013

These release notes describe the changes in the new firmware for the Cisco WAP121 and WAP321 Wireless Access Points.

## New in This Release

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

## 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

CSCty78355—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.

## Resolved Issues

CSCub46649—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—Mobile device users received HTTP 404 with Captive Portal.

## Open Caveats

**Table 1 Open Caveats in Firmware Version 1.0.3.4**

Ref Number	Description
CSCue70448	<p><b>Symptom:</b> Deleting an SNMP group (related with a user1) prevents the addition of any other SNMP users unless user1 is first deleted.</p> <p><b>Workaround:</b> Delete the group and all users in the group at the same time.</p>
CSCue51459	<p><b>Symptom:</b> Unable to a redirect URL in a captive portal instance.</p> <p><b>Workaround:</b> Use a URL path without extensions at the end of the URL.</p>
CSCue24521	<p><b>Symptom:</b> Some clients may lose wireless connection when authenticating via Captive portal.</p> <p><b>Workaround:</b> Reconnect wireless devices.</p>
CSCub46043	<p><b>Symptom:</b> When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.</p>
CSCub45975	<p><b>Symptom:</b> 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><b>Symptom:</b> 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><b>Workaround:</b> Type in the new static IP address into the URL field and login again.</p>

# Cisco WAP121 and WAP321 Wireless Access Points, Firmware Version 1.0.2.3

**Version** 1.0.2.3

January, 2013

These release notes describe the changes in the new firmware for the Cisco WAP121 and WAP321 Wireless Access Points.

## New in This Release

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.

## 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

CSCty78355—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.

## Resolved Issues

CSCtx68659—Bonjour does not operate at the very first bootup of the WAP321 device.

## Open Caveats

**Table 2 Open Caveats in Firmware Version 1.0.2.3**

Ref Number	Description
CSCub46649	<p><b>Symptom:</b> 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><b>Workaround:</b> Configure WDS links using the 20 MHz channel bandwidth.</p>
CSCub46043	<p><b>Symptom:</b> When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.</p>
CSCub45975	<p><b>Symptom:</b> 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><b>Symptom:</b> 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><b>Workaround:</b> 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

**Version** 1.0.1.10

August, 2012

These release notes describe the open issues for the Cisco WAP121 and WAP321 Wireless Access Points.

## 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.
- CSCtx78355. 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.

## Resolved Issues

- CSCtx60443—Closed. Functioning as designed. Create additional ACL rules or a Layer 3 network design.
- CSCtx08343
- CSCtx04211

- CSCtw87635
- CSCtw70914
- CSCtw62382
- CSCtw47624
- CSCts99306

## Open Caveats

**Table 3 Open Caveats in Firmware Version 1.0.1.10**

Ref Number	Description
CSCub46649	<p><b>Symptom:</b> 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><b>Workaround:</b> Configure WDS links using the 20 MHz channel bandwidth.</p>
CSCub46043	<p><b>Symptom:</b> When untagged packets are received on a VAP interface (SSID), they may be treated as tagged packets.</p>
CSCub45975	<p><b>Symptom:</b> 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>
CSCtx68659	<p><b>Symptom:</b> 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><b>Workaround:</b> 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><b>Symptom:</b> 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><b>Workaround:</b> 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

### **Version 1.0.0.3**

These release notes describe the open issues for the Cisco WAP121 and WAP321 Wireless Access Points.

### **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.
- CSCty78355. 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.

### **Resolved Issues**

This is a new release.



## Open Caveats

**Table 4 Open Caveats in Firmware Version 1.0.0.3**

Ref Number	Description
CSCtx60443	<p><b>Symptom:</b> 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><b>Workaround:</b> Dedicate a single WAP321 for Captive Portal hotspot service with a different VLAN subnet network.</p> <p><b>Workaround:</b> 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><b>Symptom:</b> 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><b>Workaround:</b> 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><b>Symptom:</b> 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><b>Workaround:</b> Reconnect the LAN cable back to old network and click <b>Restart</b> from the web-based configuration utility. Move the LAN cable immediately to the new LAN network after clicking Restart.</p>
CSCtx04467	<p><b>Symptom:</b> 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><b>Workaround:</b> Type in the new static IP address into the URL field to login again.</p>
CSCtx04211	<p><b>Symptom:</b> In <b>Wireless Settings &gt; Networks &gt; Configuring VAPs</b> if you click HTTP Redirect, but then unclick it, you are still required to enter Redirect URL data before saving.</p> <p><b>Workaround:</b> Enter a HTTP/HTTPS URL link and click <b>Save</b>. Then click on any sub-menu tree item from the left of the web-based configuration utility to exit without saving.</p>

## Release Notes

**Table 4 Open Caveats in Firmware Version 1.0.0.3**

Ref Number	Description
CSCtw87635	<p><b>Symptom:</b> Enabling Client QoS on SSID1 during WDS Bridge mode will disassociate bridge connections.</p> <p><b>Workaround:</b> Enable Client QoS on VAP's other than 0.</p>
CSCtw70914	<p><b>Symptom:</b> Packet Capture fails to work using the Local file option using the WDS interface.</p> <p><b>Workaround:</b> Use the Remote option while using the WDS interface.</p>
CSCtw62382	<p><b>Symptom:</b> When using SNMP to backup the configuration file, apFileUpload does not work.</p> <p><b>Workaround:</b> Use the web interface to do the backup, or if using SNMP, use apFileTransfer instead.</p>
CSCtw47624	<p><b>Symptom:</b> After a factory reset, the scheduler does not work properly until the WAP device is power cycled.</p> <p><b>Workaround:</b> After setting the scheduler for the first time, reboot the device and the scheduler will function properly.</p>
CSCts99306	<p><b>Symptom:</b> 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><b>Workaround:</b> Replaced the <i>HTTP redirect without Captive Portal</i> feature with the <i>Redirect URL</i> feature on the <b>Captive Portal &gt; Instance Configuration</b> page. To redirect a URL, use the <i>Redirect URL</i> feature on the <b>Captive Portal &gt; Instance Configuration</b> page.</p>

## Related Information

Support	
Cisco Small Business Support Community	<a href="http://www.cisco.com/go/smallbizsupport">www.cisco.com/go/smallbizsupport</a>
Cisco Small Business Support and Resources	<a href="http://www.cisco.com/go/smallbizhelp">www.cisco.com/go/smallbizhelp</a>
Phone Support Contacts	<a href="http://www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html">www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html</a>
Cisco Small Business Firmware Downloads	<a href="http://www.cisco.com/go/smallbizfirmware">www.cisco.com/go/smallbizfirmware</a> 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 <a href="http://www.cisco.com/go/software">www.cisco.com/go/software</a> (registration/login required).
Cisco Small Business Open Source Requests	<a href="http://www.cisco.com/go/smallbiz_opensource_request">www.cisco.com/go/smallbiz_opensource_request</a>
Product Documentation	
Cisco Small Business WAP121 and WAP321 Wireless-N Access Point with PoE	<a href="http://www.cisco.com/go/100_wap_resources">http://www.cisco.com/go/100_wap_resources</a> or <a href="http://www.cisco.com/go/300_wap_resources">http://www.cisco.com/go/300_wap_resources</a>
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	<a href="http://www.cisco.com/web/partners/sell/smb">www.cisco.com/web/partners/sell/smb</a>
Cisco Small Business Home	<a href="http://www.cisco.com/smb">www.cisco.com/smb</a>

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