

# Release Notes for WAP4410N Access Point Firmware Version 2.0.5.3

May 14, 2012

Hardware (PID VID): WAP4410N-A V02



**NOTE** Firmware version 2.0.0.12 works with all hardware versions of WAP4410N.



**NOTE** Firmware version 2.0.0.12 does not provide full support for the Cisco Small Business FindIT feature. However, firmware versions released after version 2.0.1.0 will provide full support for the this feature.



**NOTE** When configuring this device, be aware that the default IP settings changed from static IP to DHCP in firmware version 2.0.0.5 and later releases.

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## Changes Since WAP4410N Firmware Version 2.0.4.2

The firmware was updated and the following issues were fixed in firmware version 2.0.5.3.

- **CSCtz79093**—Wireless isolation functionality between (and within) SSIDs is now fixed.
- **CSCtz79020**—Fixed inability to assign static IPv6 address using the web-based configuration utility.
- **CSCtz79064**—Added a separate IP-type setting option for IPv6 in the web-based configuration utility.
- **CSCty33244**—WPS can now be disabled using SSH.
- **CSCty33308**—WPS is disabled by default. However, a factory reset must be performed first — either press the Reset button for approximately 10 seconds, or use the web-based utility. Alternatively, you may choose to disable WPS using SSH.

### Known Issues

These known issues were identified in firmware version 2.0.5.3.

- **CSCtz79103**—When selecting a 128-bit WEP key and providing a passphrase, one 128-bit key is generated. However, the default transmit key radio buttons allow you to pick from keys 1 through 4. The radio buttons for keys 2, 3, and 4 should be disabled.
- **CSCtz05386**—When enabling IPv6, the link local is not displayed on the status page. **Workaround:** SSH into the device and execute an ifconfig to determine the link local.

- **CSCtz79116**—The MAC Connection Control List allows empty entries to be saved. Enabling MAC Control and not specifying MAC addresses may disconnect your clients.
- **CSCtz79129**—The AP mode appears incorrectly as G when the AP is selected to work in N-only mode.
- **CSCts76476**—The access point may periodically experience loss of connectivity when configured in bridge mode. **Workaround:** Unplug the power adaptor or PoE cable, and then plug it back in.
- **CSCtx62203**—In certain environments and traffic model, the WAP4410N may lockup after some undetermined time. **Workaround:** Reboot the device.
- **CSCtz05399**—The WAP4410N displays only one IPv6 address when set to IPv6 autoconfiguration. For example, if the router is advertising multiple prefixes, a local (fec0::) and a global site (2001::), the access point only acquires one of the two addresses.
- **CSCtz59478**—When enabling or disabling the VLAN or QoS features, your Internet connection will be lost. **Workaround:** After configuring the VLAN or QoS features, unplug the power adaptor or PoE cable, and then plug it back in.

## Notes

- When using the WPS feature and you are still using the default SSID of *ciscosb*, the system automatically changes the *ciscosb* SSID to *Network-“MAC-ADDRESS”* for security purposes. If you prefer to retain your SSID and use WPS at the same time, configure a unique SSID before invoking WPS.
- The WAP4410N now has a Setup Wizard to aid in initial configuration.
- The WPS PIN-External Register mode stops attempting to register a client after 30 failed attempts.

## Changes Since WAP4410N Firmware Version 2.0.4.1

The firmware was updated and the following was fixed in firmware version 2.0.4.2.

- WDS mode with repeater options and TKIP/AES encryption is fixed.

### Changes Since WAP4410N Firmware Version 2.0.3.3

The firmware was updated and problems were fixed in firmware version 2.0.4.1.

- Updated LSDK and WLAN driver.
- Added Ethernet Duplex Mode and Data Rate settings.
- Fixed WDS connection issue when using WPA/WPA2 security.
- Fixed memory leak issue.

#### Known Issues

These known issues were identified in firmware version 2.0.4.1.

- Space(s) in the SSID are allowed but currently they will cause the SSID to display as a blank string. Selecting the blank SSID with connect and feature performance is not affected.
- There are known issues regarding wireless isolation, affecting both between SSIDs and within SSIDs.

Workaround: None.

- Google Chrome browser does not support the loading of the firmware upgrade.

Workaround: Perform the firmware upgrade using Firefox or Internet Explorer (IE).

- From the Wireless tab, select the security settings page. On this page, click the “Help” link located in the top right corner. There is an incorrect spelling on this page; the word “with” should be “within.”

### Changes Since WAP4410N Firmware Version 2.0.2.1

The firmware was updated and problems were fixed in firmware version 2.0.3.3.

- Support for SSL Certificate import and export.
- Fixed bug related to the SSID Security Table displaying incorrectly with WEP settings.

- Fixed bug related to WPS function when DUT MAC is 4C:XXXXXXXXXX.
- Fixed MIB file warning messages.

### Known Issues

HTTP Redirect might block the iPhone4 and iPod Touch from Internet access. The workaround is to disable the HTTP Redirect settings back to default.

## Changes Since WAP4410N Firmware Version 2.0.1.0

The firmware was updated and problems were fixed in firmware version 2.0.2.1.

- Fixed a “multiple SSIDs not showing” issue that happens in some devices with certain non-zero MAC address patterns (e.g. starting with 54 or 68).
- Added command line for WPS (set/get wps).

## Changes Since WAP4410N Firmware Version 2.0.0.12

The firmware was updated and problems were fixed in firmware version 2.0.1.0.

- Fixed bugs related to the Bonjour protocol.
- Improved performance of “Force LAN Port Speed to 100M” option.

## Changes Since WAP4410N Hardware Version VID: V01

WAP4410N now has an additional external crystal to its PHY chip for reducing clock jitter when it works with some gigabit switches. These jitters occur during a corner case of stressing heavy wired and wireless traffic.

## Changes Since WAP4410N Firmware Version 2.0.0.5

The firmware was updated and problems were fixed in firmware version 2.0.1.0.

### New Field Added

The “Force LAN Port Speed to 100M” field has been added to the Advanced Setup page. Enable this feature to force the link speed of the LAN port of the access point to be at 100 Mbps. For example, during a corner case of stressing heavy wired and wireless traffic with some gigabit switches, if the LAN port on a WAP44 10N access point with an earlier hardware version stops responding, enable “Force LAN Port Speed to 100M” to resolve the issue.

### Other Updates

The following updates were made:

- Modified the field “hardware version” (in Web, Bonjour, CLI, and SNMP) to “PID VID,” where the value can be “WAP44 10N-A/E V01/02” (“WAP44 10N-A/E” depends on the bandplan of the sales regions and “V01/V02” depends on the hardware version).
- Changed the factory default IP address configuration to DHCP. If the WAP44 10N access point does not receive a DHCP response after 60 seconds, it falls back to the following default static IP address:  
192.168.1.245
- Changed SBBU to ciscosb in the mib file.
- Added DHCPv6 client support.
- Added Bonjour protocol support.
- Added double-byte SSID support.

## Changes Since WAP44 10N Firmware Version 1.0.12

The user interface was updated and problems were fixed.

### User Interface Updates

The access point’s web-based configuration utility now has a new user interface based on the Cisco Small Business style.

### Other Updates

The following problems were fixed in firmware version 2.0.0.5:

- DNS restore fails after loading configuration.
- HTTP Redirect failure when the URL includes the HTTPS protocol by SNMP.

### Known Issues

The WAP4410N Access Point experiences lower wireless performance against Intel® Wireless WiFi Link 4965AGN, especially from WLAN to LAN (wireless to wired), due to Intel 4965AGN limitations.

## Related Information

Support	
Small Business Support Community	<a href="http://www.myciscocommunity.com/community/smallbizsupport">www.myciscocommunity.com/community/smallbizsupport</a>
Online Technical Support and Documentation (Login Required)	<a href="http://www.cisco.com/support">www.cisco.com/support</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>
Software Downloads (Login Required)	Go to <a href="http://tools.cisco.com/support/downloads">tools.cisco.com/support/downloads</a> , and enter the model number in the Software Search box.
Product Documentation	
Technical Documentation	<a href="http://www.cisco.com/en/US/products/ps10047/tsd_products_support_series_home.html">www.cisco.com/en/US/products/ps10047/tsd_products_support_series_home.html</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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