Release Notes for Cisco Aironet 340 Series Access Points

April 4, 2000

These release notes describe features and caveats for the Cisco Aironet 340 Series Access Point running firmware release 10.12. These release notes also contain important information about the device.

Contents

Introduction

The Cisco Aironet 340 Series Access Point is a wireless LAN transceiver that can act as the center point of a stand-alone wireless network or as the connection point between wireless and wired networks. In large installations, the roaming functionality provided by multiple Access Points allows wireless users to move freely throughout the facility while maintaining uninterrupted access to the network.

The Access Point uses a browser-based management system. The system settings are contained on web pages in the Access Point's firmware. You use your internet browser to view and adjust the Access Point's system settings.

CISCO SYSTEMS

Corporate Headquarters: Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

78-10645-01

Matching WEP Keys on Access Points and Wireless Client Adapters

The WEP keys for the wireless network must be set up exactly the same on the Access Points as they are on the wireless client adapters. The same value must be assigned to Key 1 on both the Access Point and the client adapters, the same value must be assigned to Key 2 on both the Access Point and the client adapters, and so on, for all four WEP keys. For example, if WEP Key 3 on the Access Point is set to 0987654321 and it is selected as the active key, WEP Key 3 on the client adapters must be set to the same value and selected as the active key.

Configuring the Wireless LAN Through the Access Point Management Pages

The Access Point's browser-based management system can be used to browse to and configure any Cisco Aironet Access Point or bridge on a network. The management system's association table also provides status information on every Cisco Aironet wireless device on the network.

Note You need the Access Point's IP address to open the browser-based management system. If you don't know the Access Point's IP address, follow the instructions in the *Quick Start Guide: Cisco Aironet 340 Series Access Points* to find the address.

Limiting Associations to the Access Point

To help prevent unauthorized wireless users from receiving data signals from the Access Point, select **no** for the Allow Broadcast SSID to Associate setting. You can change this setting through an Internet browser or through the Access Point's console port.

Note To completely block unauthorized users from receiving data signals from the Access Point, set and activate the WEP keys on the Access Point and on all wireless client adapters.

Using an Internet Browser to Limit Associations to the Access Point

Step 1 On a computer connected to the same network as the Access Point, type the Access Point's IP address in the browser's address line.

Note If you don't know the Access Point's IP address, follow the instructions in the *Quick Start Guide: Cisco Aironet 340 Series Access Points* to find the address.

Step 2 At the Access Point's Summary Status page, select **Setup**.

Step 3 At the Access Point's Setup page, select **Hardware** in the AP Radio row under Network Ports.

Step 4 At the AP Radio Hardware page, select **no** for the Allow Broadcast SSID to Associate setting.

Step 5 Click **OK** to save the new setting and return to the Setup page.

Using the Console Port to Limit Associations to the Access Point

Step 1 Use a straight-through cable with 9-pin male to 9-pin female connectors to connect the COM 1 or COM 2 port on your computer to the console port on the Access Point.

Step 2 Open a terminal-emulation program on your computer.

Note These instructions describe HyperTeminal; other programs are similar.

Step 3 In the Connection Description window, enter a name and select an icon for the connection and click **OK**. In the Connect To window, select the port to which the cable is connected and click **OK**. In the Port Settings window, make the following settings: **9600** baud, **8** data bits, **No** parity, **1** stop bit, and **Xon/Xoff** flow control. Click **OK**. Press **Enter**.

Step 4 When the Summary Status screen appears, type **s** to go to the Setup screen.

Step 5 At the Setup screen, type **hw a** to go to the Hardware AP Radio screen.

Step 6 At the Hardware AP Radio screen, an x appears beside the Allow Broadcast SSID to Associate setting to indicate that the setting is on. Type **b** to select the setting.

Step 7 Press **Enter** to switch the setting to off. The x beside the setting will disappear.

Step 8 Type **ap** to select apply and press **Enter**.

MIB File Location

Using the Cisco Aironet 340 Series Access Points states that the Management Information Base (MIB) file for the Access Point is available in the Technical Support section of Cisco's website (www.Cisco.com). You can download the MIB file from the following URL:

http://www.aironet.com/support/ftp/340ftp.asp

Reconfiguring the Access Point in Case of a Lost Password

If you forget the password that allows you to configure the Access Point, you need to reset the Access Point to its factory default settings. Follow the steps below to reset the Access Point configuration and assign a new password.

Note The following steps do **not** recover an existing password; they merely delete the current configuration and return all Access Point settings to the factory defaults.

Step 1 Use a straight-through cable with 9-pin male to 9-pin female connectors to connect the COM 1 or COM 2 port on your computer to the RS-232 port on the Access Point.

Step 2 Open a terminal-emulation program on your computer.

Note These instructions describe HyperTeminal; other programs are similar.

Step 3 In the Connection Description window, enter a name and select an icon for the connection and click **OK**. In the Connect To window, select the port to which the cable is connected and click **OK**. In the Port Settings window, make the following settings: **9600** baud, **8** data bits, **No** parity, **1** stop bit, and **Xon/Xoff** flow control. Click **OK**. Press **Enter**.

Step 4 When the Summary Status screen appears, reboot the Access Point by unplugging the power connector and then plugging it back in, or by pressing **Ctrl x**.

Step 5 When the message "Type <esc> within 5 seconds for menu" appears, press the **Esc** key.

Step 6 Copy the Access Point's installation key to the Access Point's DRAM by pressing **c** to select **Copy file**, then **1** to select **DRAM**, then **a** to select **AP Installation Key**.

Step 7 Reformat the Access Point's configuration memory bank by pressing **!** to select **FORMAT memory bank**, then **2** to select **Config**, then upper-case **Y** to confirm the **FORMAT** command.

Step 8 Copy the installation key back to the configuration memory bank by pressing **c** to select **Copy file**, then **2** to select **Config**, then **a** to select **AP Installation Key**.

Step 9 Run the Access Point firmware by pressing **r** to select **Run**, then the selection letter for the firmware file which is displayed. The message "Inflating [firmware file name]" appears while the Access Point starts the firmware.

Step 10 When the Express Setup screen appears, begin reconfiguring the Access Point using the terminal emulator or an Internet browser.

Caveats

Reset Factory Defaults Buttons do not Reset User List

The Reset System Factory Defaults buttons on the Access Point's Manage System Configuration page do not reset the list of users in the Access Point's User Manager system. They also do not reset the SNMP Administrator Community name.

The Reset System Factory Defaults Except IP Identity button returns all Access Point settings to their factory defaults *except*:

- The Access Point's IP address, subnet mask, default gateway, and boot protocol
- The users in the User Manager list
- The SNMP Administrator Community name

The Reset All System Factory Defaults button returns all Access Point settings to their factory defaults *except*:

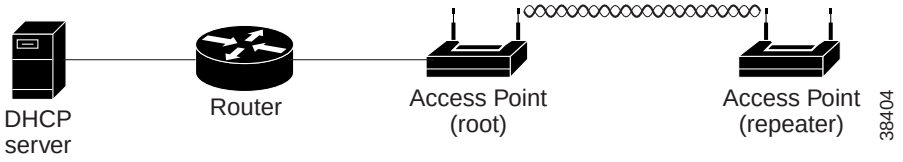
- The users in the User Manager list
- The SNMP Administrator Community name

To completely reset all Access Point settings, follow the steps in "Reconfiguring the Access Point in Case of a Lost Password" section on page 3.

Repeater Mode May Require Manual Setting of IP Address and Gateway

If you use an Access Point in repeater mode on a network using a DHCP server, the Access Point may not receive the DHCP-assigned IP address. If your network configuration includes a router and resembles the configuration in Figure 1, you may need to assign a static IP address and gateway to the repeater Access Point.

Figure 1 Router Between a Repeater Access Point and the DHCP Server



Follow these steps to assign a static IP address and gateway to an Access Point:

Step 1 Use a straight-through cable with 9-pin male to 9-pin female connectors to connect the COM 1 or COM 2 port on your computer to the RS-232 port on the Access Point.

Step 2 Open a terminal-emulation program on your computer.

Note These instructions describe HyperTeminal; other programs are similar.

Step 3 In the Connection Description window, enter a name and select an icon for the connection and click **OK**. In the Connect To window, select the port to which the cable is connected and click **OK**. In the Port Settings window, make the following settings: **9600** baud, **8** data bits, **No** parity, **1** stop bit, and **Xon/Xoff** flow control. Click **OK**. Press **Enter**.

Step 4 When the Summary Status screen appears, press **s** to select the Setup screen.

Step 5 On the Setup screen, press **ex** to select the Express Setup screen.

Step 6 On the Express Setup screen, press **ad** to select IP Address and then press **Enter**.

Step 7 Type the IP address for the Access Point and press **Enter**.

Step 8 Type **ga** to select Gateway and press **Enter**.

Step 9 Type the gateway address for the Access Point and press **Enter**.

Step 10 Type **p** to select Config. Server Protocol and press **Enter**.

Step 11 Type **n** to select none and press **Enter**.

Step 12 Type **ap** to select apply and press **Enter**.

DHCP Address Lease Period Should Not Exceed 20 Hours

In the 10.12 version of firmware, when the DHCP address lease period exceeds 20 hours the IP address may reset to 0.0.0.0 and the Access Point will become unmanageable. If you need to use a DHCP server to assign IP addresses to Access Points, set the IP address lease period to 20 hours or less on the DHCP server. If reducing the lease period on the DHCP server is impossible, assign a static IP address and gateway to the Access Point by following the steps in the "Repeater Mode May Require Manual Setting of IP Address and Gateway" section on page 5.

Ethernet Statistics May be Reset Periodically

When an Access Point has not received Ethernet traffic for one minute, the Access Point may reset its Ethernet statistics.

Contents of the Cisco Aironet 340 Series Access Point CD

The Cisco Aironet 340 Series Access Point CD contains the 340 series user guides and the help files for the Access Point. Table 1 describes each file on the CD.

Table 1 Contents of the Cisco Aironet 340 Series Access Point CD

File name	File contents
User Guides folder	
Cisco Aironet 340 Series PCI/ISA Client Adapters.pdf	PDF file of *Using the Cisco Aironet 340 Series PCI/ISA Client Adapters*
Cisco Aironet 340 Series PC Card Client Adapters.pdf	PDF file of *Using the Cisco Aironet 340 Series PC Card Client Adapters*
Cisco Aironet 340 Series Access Point.pdf	PDF file of *Using the Cisco Aironet 340 Series Access Points*
Cisco Aironet 340 Series Wireless Bridges.pdf	PDF file of *Using the Cisco Aironet 340 Wireless Bridges*

Table 1 Contents of the Cisco Aironet 340 Series Access Point CD

File name	File contents
Aironet Help folder	
*.htm	The .htm files are displayed in your Internet browser and form the body of the Access Point help. To view the help files without browsing to the Access Point, open the help file index.shm.htm in your Internet browser.
*.gif	The .gif files are images, primarily screen shots, used in the .htm files.

Related Documentation

Using the Cisco Aironet 340 Series Access Points and the *Quick Start Guide: Cisco Aironet 340 Series Access Points* provide setup, configuration, and operating instructions and information for the Access Point.

Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: http://www.cisco.com
- WWW: http://www-europe.cisco.com
- WWW: http://www-china.cisco.com
- Telnet: cco.cisco.com
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

Documentation CD-ROM

Other Cisco documentation and additional literature are available in a CD-ROM package shipped separately from the Cisco Aironet 340 Series documentation CD that shipped with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly.

To order copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at http://www.cisco.com, http://www-china.cisco.com, or http://www-europe.cisco.com.

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This document is to be used in conjunction with the documents listed in the "Related Documentation" section.