



Release Notes for Cisco Aironet 350 and CB20A Client Adapter Firmware 5.60.22

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Introduction

This document describes system requirements, important notes, upgrade instructions, and caveats for Cisco Aironet 350 and CB20A client adapter firmware version 5.60.22.



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System Requirements

You need these items in order to install Cisco Aironet 350 and CB20A client adapter firmware 5.60.22:

- A computer running Windows 2000 or XP



Note Client adapter firmware 5.60.22 is not supported for use with Windows 95, 98, 98 SE, NT, and Me; Windows CE; Windows Vista; Linux; and Mac OS.

- One of these Cisco Aironet client adapters:
 - 350 series PC, LM, PCI, or mini PCI card
 - CB20A PC-Cardbus card



Note Client adapter firmware 5.60.22 is not supported for use with Cisco Aironet 340 series client adapters.

- Cisco Aironet 350 and CB20A Install Wizard version 1.8, which includes PC, LM, and PCI card driver version 8.9; mini PCI and PC-Cardbus card driver version 3.12; ACU version 6.7; ACM version 2.4; LEAP security module version 6.6; EAP-FAST security module version 1.0; PEAP security module version 1.3; and EAP-SIM security module version 1.0
- Access points to which your client adapter may attempt to authenticate must use the following firmware versions or later: 12.00T (340, 350, and 1200 series access points) or Cisco IOS Release 12.2(4)JA (1100 series access points).



Note To use WPA or fast roaming, access points must use Cisco IOS Release 12.2(11)JA or later. To use radio management (RM), access points must use Cisco IOS Release 12.2(13)JA or later. To use QoS and WMM, access points must use Cisco IOS Release 12.3(2)JA or later.

Important Notes

Not Supported on Windows CE, Windows Vista, Linux, and Mac OS Operating Systems

Client adapter firmware 5.60.22 is not supported for use with Windows CE, Windows Vista, Linux, and Mac OS operating systems.

Upgrading to a New Firmware Version



Caution

To minimize the risk of a power failure during the firmware flashing process, which could render your client adapter inoperable, Cisco recommends that your computer be plugged into AC power or have a fully charged battery at the start of flashing. If a power failure does occur, contact TAC for assistance.

This section describes how to upgrade to client adapter firmware 5.60.22 on a computer running the Windows 2000 or XP operating system.

Finding the Firmware Version

To find the firmware version that your client adapter is currently using, open ACU and click the **Status** icon. The Firmware Version field on the Status screen shows the firmware version.

Upgrading the Firmware

Follow these steps to upgrade your client adapter's firmware to version 5.60.22.



Note

When you upgrade your client adapter's firmware using ACU, the Automatically Load New Firmware When NDIS Driver Is Updated parameter on the Aironet Client Utility Preferences screen becomes disabled (or unchecked) automatically to prevent the newly loaded firmware from being overwritten by the driver. If you ever want to enable this parameter, you must recheck the check box.

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- Step 1** Use the computer's web browser to access the following URL:
<http://tools.cisco.com/support/downloads/pub/MDFTree.x?butype=wireless>
 - Step 2** Click **Wireless LAN Access**.
 - Step 3** Click **Cisco Wireless LAN Client Adapters**.
 - Step 4** Click **Cisco Aironet Wireless LAN Client Adapters**.
 - Step 5** Click **Cisco Aironet 350 Mini-PCI Wireless LAN Client Adapter**, **Cisco Aironet 350 Wireless LAN Client Adapter**, or **Cisco Aironet 5 GHz 54 Mbps Wireless LAN Client Adapter (CB20A)**.
 - Step 6** Click **Aironet Client Firmware**.
 - Step 7** Click **Windows 2000** or **Windows XP**.
 - Step 8** Click **5.60.22**.
 - Step 9** Click the executable file (*.exe) that appears on your screen.
 - Step 10** Click **Download**.
 - Step 11** Read the software download rules and click **Agree**.
 - Step 12** Save the file to a floppy disk or to your computer's hard drive.

Step 13 Find the file using Windows Explorer, double-click it, and extract the image file to a folder.

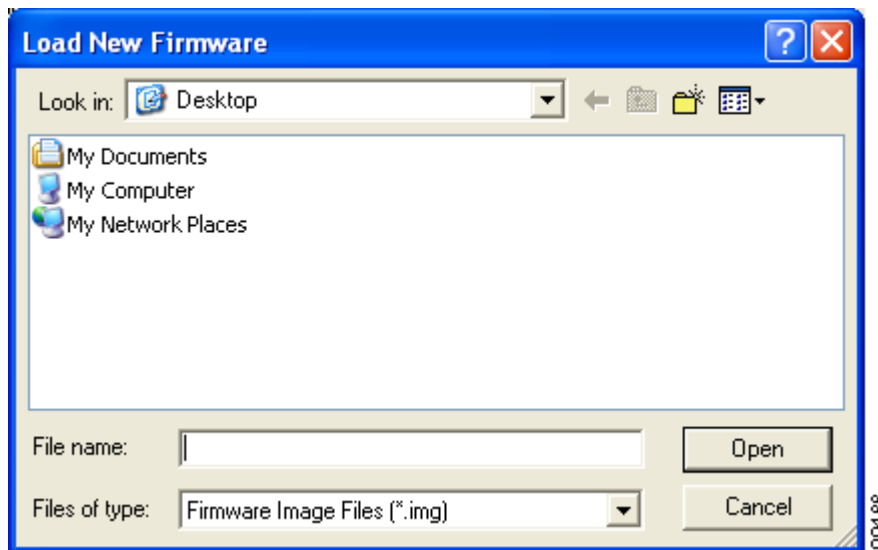


Note To extract the file, click **Browse** on the WinZip Self-Extractor screen, select the folder in which you want the file to be placed, and click **OK** and **Unzip**. After the file is extracted, click **OK** to close the screen.

Step 14 Make sure the client adapter is installed in your computer and is operational.

Step 15 Open ACU and click the **Load Firmware** icon. The Load New Firmware screen appears (see [Figure 1](#)).

Figure 1 Load New Firmware Screen



Step 16 Find the location of the new firmware in the Look in box.

Step 17 Click the firmware image file (*.img) so that it appears in the File name box at the bottom of the screen.

Step 18 Click the **Open** button. A progress bar appears while the selected image is loaded into the client adapter’s Flash memory.

Step 19 Click **OK** when the “Firmware Upgrade Complete!” message appears. The OK button cannot be selected until the process is complete or an error occurs.

Resolved Caveats

The following caveats are resolved in client adapter firmware 5.60.22.

- CSCsd77174—350 clients cannot roam if there are too many access points
Wireless clients might become stuck during roaming. Wireless sniffer traces show that the 350 does not send out authentication requests after it receives probe responses. The ACU table that tracks access points that the 350 hears is full.
- CSCse23905—Broadcast key rotation causes Windows ID4201 event
When the Windows client uses the ACU as a supplicant and the access point is configured to use broadcast key rotation, ID4201 logs are generated on the client's event viewer every rotation period.

Getting Bug Information on Cisco.com

If you are a Cisco registered user, you can use the Cisco TAC Software Bug Toolkit, which consists of three tools (Bug Navigator, Bug Watcher, and Search by Bug ID Number) that help you to identify existing bugs (or caveats) in Cisco software products.

Access the TAC Software Bug Toolkit at the following URL:

http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl

Troubleshooting

For the most up-to-date, detailed troubleshooting information, refer to the Cisco TAC website at

<http://www.cisco.com/en/US/support/index.html>

Click **Product Support** > **Wireless**. Then select your product and **Troubleshooting** to find information on the problem you are experiencing.

Related Documentation

For more information about Cisco Aironet 350 and CB20A client adapters, refer to these documents:

- *Cisco Aironet 350 and CB20A Wireless LAN Client Adapters Installation and Configuration Guide for Windows*, OL-1394-10
http://www.cisco.com/en/US/docs/wireless/wlan_adapter/350_cb20a/user/windows/1.6/configuration/guide/incfg10.html
- *Release Notes for Cisco Aironet 350 and CB20A Client Adapter Install Wizard 1.8 for Windows*, OL-15650-01
http://www.cisco.com/en/US/products/hw/wireless/ps4555/prod_release_notes_list.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

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