



Release Notes for Cisco Aironet Client Utilities 2.22 and Driver 2.30 for Windows CE 2.11

Contents

This document contains the following sections:

- [Introduction, page 1](#)
- [System Requirements, page 2](#)
- [Upgrading to a New Client Utility and Driver Release, page 2](#)
- [Caveats, page 5](#)
- [Troubleshooting, page 7](#)
- [Related Documentation, page 7](#)
- [Obtaining Documentation, page 7](#)
- [Obtaining Technical Assistance, page 8](#)
- [Obtaining Additional Publications and Information, page 9](#)

Introduction

This document describes system requirements, upgrade procedures, and caveats for the following releases of Cisco Aironet client adapter software:

- Release 2.22 of the Cisco Aironet client utilities for Windows CE 2.11 devices only
- Release 2.30 of the Cisco Aironet client adapter driver for Windows CE 2.11 devices only

The client utilities, driver, and help files are released together in a single file entitled *WinCE211-PCMCIA-LMC-v223.exe* (for Windows CE 2.11 devices only). This release resolves the caveat listed in the “[Resolved Caveats](#)” section on page 5.



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

Copyright © 2003 Cisco Systems, Inc. All rights reserved.

System Requirements

Client utility release 2.22 and driver release 2.30 can be used only with Cisco Aironet 350 Series Wireless LAN Client Adapters (PC cards and LM cards) and a Windows CE Handheld PC (HPC) device with an ARM, StrongARM, MIPS, SH3, SH4, or x86 processor that is running Windows CE 2.11.


Note

This release should operate with Cisco Aironet 340 and 4800 series cards; however, official testing was not conducted with these cards.

Upgrading to a New Client Utility and Driver Release

This section describes how to upgrade to client utility release 2.22 and driver release 2.30 on a Windows CE 2.11 device.


Note

The client utilities and help files are installed with the driver.

Uninstalling the Current Driver and Client Utilities

Cisco recommends that you uninstall the existing driver and client utilities for your client adapter before upgrading to a more recent release. This section provides instructions for uninstalling your client adapter's current driver and client utilities. The instructions vary depending on your client adapter's current driver release.

Uninstalling Driver Release 1.40

- Step 1** Terminate any Cisco Aironet applications running on the Windows CE device and eject the client adapter.
- Step 2** Tap **Start > Programs > Cisco > Cisco Aironet Uninstall**. The Cisco Aironet Uninstall screen appears.
- Step 3** Check the **Uninstall Cisco Aironet Wireless LAN Adapter** check box.
- Step 4** Tap **OK**. The utility informs you that the adapter has been uninstalled. The registry entries (but no files) are removed.
- Step 5** Delete the **aironet.dll** driver file and the following help files from the \Windows directory of the Windows CE device: **AuthType.htm**, **CEM.htm**, **Cisco Setup.htm**, **ClieName.htm**, **DataRate.htm**, **DHCP.htm**, **InfrStru.htm**, **LEAP.htm**, **LeapLogin.htm**, **PSMode.htm**, **SSID.htm**, **TxPowe.htm**, **WEP.htm**, and **WorldMode.htm**.
- Step 6** Delete the following client utility files, which are probably in the \Windows\Programs\Cisco directory on the Windows CE device: **Aironet Client Utility.exe**, **Cisco Aironet Uninstall.exe**, **Cisco Link Status.exe**, **Client Encryption Manager.exe**, **Client Statistics Utility.exe**, **Load New Firmware.exe**, and **Site Survey Tool.exe**.

- Step 7** Delete the **Cisco** directory from \Windows\Programs.
- Step 8** Go to the “[Loading a New Driver and Client Utilities](#)” section below for instructions on loading the new driver and client utilities.
-

Uninstalling Driver Release 1.50 or Later

- Step 1** Eject the client adapter and remove it from the Windows CE device.
- Step 2** Tap **Start > Settings > Control Panel > Remove Programs**.
- Step 3** Tap **Cisco Wireless LAN Adapter**.
- Step 4** Tap **Remove**.
- Step 5** When asked to verify your decision to remove the adapter, tap **Yes**.
- Step 6** Tap **OK**. The driver, client utilities, registry entries, and Cisco directory are removed.
- Step 7** Go to the “[Loading a New Driver and Client Utilities](#)” section below for instructions on loading the new driver and client utilities.
-

Loading a New Driver and Client Utilities

Follow these steps to install driver release 2.30 and client utility release 2.22 for your client adapter.

- Step 1** Make sure that the client adapter is removed from the Windows CE device.
- Step 2** Use a serial or USB cable to connect your Windows CE device to a laptop or PC running Microsoft ActiveSync. A message appears on the Windows CE device indicating that it is connecting to the host. After the Windows CE device is connected, the New Partnership window appears on the laptop or PC. This window asks if you want to set up a partnership.



Note Cisco recommends that you install the latest release of ActiveSync.

- Step 3** Perform one of the following:
- If you want to establish a partnership that allows you to synchronize files between the laptop or PC and the Windows CE device, choose **Yes**, click **Next**, and follow the instructions on the screen to specify the files to be synchronized and to finish setting up the partnership.
 - If you do not want to synchronize files and want to connect as a “guest,” choose **No** and click **Next**. The screen indicates that you are connected as a guest.
- Step 4** Use your laptop or PC web browser to access the following URL:
<http://www.cisco.com/public/sw-center/sw-wireless.shtml>

Step 5 Click **Option #2: Aironet Wireless Software Display Tables**.



Note You can download software from the Software Selector tool instead of the display tables. To do so, click **Option #1: Aironet Wireless Software Selector**, follow the instructions on the screen, and go to [Step 10](#).

Step 6 Click **Cisco Aironet Wireless LAN Client Adapters**.

Step 7 Find the section for Windows CE client adapter drivers and utilities.

Step 8 Click the link for Windows CE 2.11.

Step 9 Click the **WinCE211-PCMCIA-LMC-v223.exe** file.

Step 10 Read and accept the terms and conditions of the Software License Agreement.

Step 11 Click the **WinCE211-PCMCIA-LMC-v223.exe** file to download it.

Step 12 Save the file to the hard drive of your laptop or PC.

Step 13 Use Windows Explorer to locate the saved file.

Step 14 Double-click the **WinCE211-PCMCIA-LMC-v223.exe** file. The application creates an Install directory under the ActiveSync directory, extracts the .cab files contained in the *.exe file, and copies them to the Install directory.

Step 15 Click **Next** to start the Windows CE Application Manager (CeAppMgr). CeAppMgr interrogates the Windows CE device to determine its processor type.



Note If a Windows CE device is not connected to the laptop or PC (as instructed in [Step 2](#)), click **Exit** to quit the setup program and connect a Windows CE device or click **Next** to continue the installation. If you choose **Exit**, click **OK** to shut down CeAppMgr and start again beginning with [Step 1](#). If you choose **Next**, a message appears indicating that the software will be downloaded the next time a mobile device is connected. Click **OK**. The next time a Windows CE device is connected to the laptop or PC through ActiveSync, CeAppMgr starts automatically, and you are prompted to install the software.

Step 16 When a dialog box appears asking if you want to install the client adapter using the default application installation directory, click **Yes**. The default directory is \Windows\Programs\Cisco.

A message and a progress bar appear indicating that the client adapter is being installed. The driver and help files are copied to the \Windows directory, and the client utilities are installed in the \Windows\Programs\Cisco directory. Shortcuts to ACU and CEM are automatically added to the desktop.

Step 17 When the installation process is complete on the laptop or PC, a message appears asking you to check the screen of the Windows CE device to see if any additional steps are required to complete the installation. Click **OK** to terminate the installation process on the laptop or PC.

Step 18 Complete any required steps on the Windows CE device.

Step 19 Disconnect the Windows CE device.

Step 20 Insert the client adapter into the PC card slot of the Windows CE device.

The Windows CE device should configure the client adapter, and the green LED on the adapter should blink. If this does not happen, remove the client adapter, reset the Windows CE device, and reinsert the client adapter.

- Step 21** The Cisco Wireless LAN Adapter Settings dialog box appears. If the dialog box does not appear, tap **Start > Settings > Control Panel > Network > the Adapters tab > the Cisco Aironet wireless LAN adapter > Properties**.
- Step 22** Perform one of the following:
- If your device is connected to a DHCP server, choose **Obtain an IP address via DHCP** or **Use server-assigned IP address** and tap **OK**.
 - If your device is not connected to a DHCP server, choose **Specify an IP address** or **Use specific IP address** and follow the steps below:
 - a. Enter the IP address, subnet mask, and default gateway address you want to assign to your device. They can be obtained from your system administrator.
 - b. Tap the **Name Servers** tab and enter the primary and secondary DNS and WINS you want to assign to your device. They can be obtained from your system administrator.
 - c. Tap **OK**.
- Step 23** Double-tap the **Cisco ACU icon** or tap **Start > Programs > Cisco > Aironet Client Utility** to open ACU.
- Step 24** Choose **SSID** under Property. Enter your RF network's case-sensitive SSID in the Value box.
- Step 25** Choose **Client Name** under Property. Enter your Windows CE device's unique client name in the Value box.
- Step 26** Choose **Data Rates** under Property. Make sure that **Auto** is chosen in the list of options in the Value box.
- Step 27** Tap **OK**. The driver and client utility installation is complete. If the installation was successful, the client adapter's green LED blinks.



Note Refer to the *Cisco Aironet Wireless LAN Client Adapters Installation and Configuration Guide for Windows CE* (part number OL-1375-02) for information on configuring your client adapter.

Caveats

This section describes resolved and open caveats for client utility release 2.22 and driver release 2.30 for Windows CE 2.11.

Resolved Caveats

The following caveat is resolved in client utility release 2.22 and driver release 2.30.

- CSCec35979—CE driver runs out of resources

The CE driver runs out of resources, which results in a loss of network connectivity.

Open Caveats

The following are known caveats for client utility release 2.22 and driver release 2.30.

- CSCdw03461—Overlapping icons in the Cisco folder
After you install the driver and client utilities, the icons for the utilities overlap in the Cisco folder.
- CSCdv50211—Incorrect error message displays if ActiveSync is not installed on the laptop or PC
If you double-click the WinCE211-PCMCIA-LMC-vxxx.exe file to install the latest release of the Windows CE driver and client utilities but ActiveSync is not installed on the laptop or PC to which the Windows CE device is connected, a message appears indicating that the ceutil.dll file cannot be found. However, the message should read, “Windows CE Services not found on this computer. Setup cannot continue and will now exit.”

Click **OK** to acknowledge the message and terminate the installation utility. Then install ActiveSync on the laptop or PC and start the driver installation procedure again.



Note ActiveSync can be obtained from the CD that shipped with your Windows CE device, from the device manufacturer, or from Microsoft; however, Cisco recommends that you install the latest release of ActiveSync.

- CSCdx17502—Client adapter not found after Symbol device suspends and resumes
After some Symbol devices are suspended and resumed, ACU indicates that the installed client adapter is not found. To resolve this issue, reset the Symbol device.
- CSCin13763—Windows CE devices fail to get an IP address
When an HP Jornada or Compaq iPAQ 3800 device with MIC and WEP enabled is turned off and on again, it fails to get an IP address from the DHCP server.
- CSCin13768—Windows CE device hangs after client adapter is removed
If a Cisco Aironet 4800B client adapter is removed from an HP Jornada device after a firmware upgrade or downgrade, the system hangs and the Power button becomes inoperable. To resolve this issue, reset the Windows CE device.

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:

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>

Tap **Hardware Support > Wireless Devices**. Then choose your product and **Troubleshooting** to find information on the problem you are experiencing.

Related Documentation

For more information about Cisco Aironet client adapters for Windows CE, refer to the *Cisco Aironet Wireless LAN Client Adapters Installation and Configuration Guide for Windows CE* (part number OL-1375-02).

Obtaining Documentation

Cisco provides several ways to obtain documentation, technical assistance, and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

International Cisco websites can be accessed from this URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which may have shipped with your product. The Documentation CD-ROM is updated regularly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual or quarterly subscription.

Registered Cisco.com users can order a single Documentation CD-ROM (product number DOC-CONDOCCD=) through the Cisco Ordering tool:

http://www.cisco.com/en/US/partner/ordering/ordering_place_order_ordering_tool_launch.html

All users can order annual or quarterly subscriptions through the online Subscription Store:

<http://www.cisco.com/go/subscription>

Tap **Subscriptions & Promotional Materials** in the left navigation bar.

Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpk/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:

<http://www.cisco.com/en/US/partner/ordering/index.shtml>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

You can submit e-mail comments about technical documentation to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

For all customers, partners, resellers, and distributors who hold valid Cisco service contracts, the Cisco Technical Assistance Center (TAC) provides 24-hour-a-day, award-winning technical support services, online and over the phone. Cisco.com features the Cisco TAC website as an online starting point for technical assistance. If you do not hold a valid Cisco service contract, please contact your reseller.

Cisco TAC Website

The Cisco TAC website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The Cisco TAC website is available 24 hours a day, 365 days a year. The Cisco TAC website is located at this URL:

<http://www.cisco.com/tac>

Accessing all the tools on the Cisco TAC website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a login ID or password, register at this URL:

<http://tools.cisco.com/RPF/register/register.do>

Opening a TAC Case

Using the online TAC Case Open Tool is the fastest way to open P3 and P4 cases. (P3 and P4 cases are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Case Open Tool automatically recommends resources for an immediate solution. If your issue is not resolved using the recommended resources, your case will be assigned to a Cisco TAC engineer. The online TAC Case Open Tool is located at this URL:

<http://www.cisco.com/tac/caseopen>

For P1 or P2 cases (P1 and P2 cases are those in which your production network is down or severely degraded) or if you do not have Internet access, contact Cisco TAC by telephone. Cisco TAC engineers are assigned immediately to P1 and P2 cases to help keep your business operations running smoothly.

To open a case by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)

EMEA: +32 2 704 55 55

USA: 1 800 553-2447

For a complete listing of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

TAC Case Priority Definitions

To ensure that all cases are reported in a standard format, Cisco has established case priority definitions.

Priority 1 (P1)—Your network is “down” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Priority 2 (P2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Priority 3 (P3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Priority 4 (P4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The Cisco Product Catalog describes the networking products offered by Cisco Systems, as well as ordering and customer support services. Access the Cisco Product Catalog at this URL:

http://www.cisco.com/en/US/products/products_catalog_links_launch.html

- Cisco Press publishes a wide range of general networking, training and certification titles. Both new and experienced users will benefit from these publications. For current Cisco Press titles and other information, go to Cisco Press online at this URL:

<http://www.ciscopress.com>

- Packet magazine is the Cisco quarterly publication that provides the latest networking trends, technology breakthroughs, and Cisco products and solutions to help industry professionals get the most from their networking investment. Included are networking deployment and troubleshooting tips, configuration examples, customer case studies, tutorials and training, certification information, and links to numerous in-depth online resources. You can access Packet magazine at this URL:
<http://www.cisco.com/packet>
- iQ Magazine is the Cisco bimonthly publication that delivers the latest information about Internet business strategies for executives. You can access iQ Magazine at this URL:
<http://www.cisco.com/go/iqmagazine>
- Internet Protocol Journal is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the Internet Protocol Journal at this URL:
http://www.cisco.com/en/US/about/ac123/ac147/about_cisco_the_internet_protocol_journal.html
- Training—Cisco offers world-class networking training. Current offerings in network training are listed at this URL:
<http://www.cisco.com/en/US/learning/index.html>

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

CCIP, CCSP, the Cisco Arrow logo, the Cisco *Powered* Network mark, Cisco Unity, Follow Me Browsing, FormShare, and StackWise are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, and iQuick Study are service marks of Cisco Systems, Inc.; and Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, the Cisco IOS logo, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Empowering the Internet Generation, Enterprise/Solver, EtherChannel, EtherSwitch, Fast Step, GigaStack, Internet Quotient, IOS, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, LightStream, MGX, MICA, the Networkers logo, Networking Academy, Network Registrar, *Packet*, PIX, Post-Routing, Pre-Routing, RateMUX, Registrar, ScriptShare, SlideCast, SMARTnet, StrataView Plus, Stratm, SwitchProbe, TeleRouter, The Fastest Way to Increase Your Internet Quotient, TransPath, and VCO are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries.

All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0304R)

Copyright © 2003 Cisco Systems, Inc.
All rights reserved.