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# Preparing for Installation

This chapter provides information that you need to know before installing a client adapter.

The following topics are covered in this section:

# Safety Information

Follow the guidelines in this section to ensure proper operation and safe use of the client adapter.

## FCC Safety Compliance Statement

The FCC, with its action in ET Docket 96-8, has adopted a safety standard for human exposure to RF electromagnetic energy emitted by FCC-certified equipment. When used with approved Cisco Aironet antennas, Cisco Aironet products meet the uncontrolled environmental limits found in OET-65 and ANSI C95.1, 1991. Proper operation of this radio device according to the instructions in this publication will result in user exposure substantially below the FCC recommended limits.

## Safety Guidelines

- Do not touch or move the antenna while the unit is transmitting or receiving.
- Do not hold any component containing a radio such that the antenna is very close to or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- Do not operate the radio or attempt to transmit data unless the antenna is connected; otherwise, the radio may be damaged.
- Use in specific environments:
  - The use of wireless devices in hazardous locations is limited to the constraints posed by the safety directors of such environments.
  - The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA).
  - The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.
- Antenna use:
  - In order to comply with FCC RF exposure limits, dipole antennas should be located at a minimum distance of 7.9 inches (20 cm) or more from the body of all persons.
  - High-gain, wall-mount, or mast-mount antennas are designed to be professionally installed. Please contact your professional installer, VAR, or antenna manufacturer for proper installation requirements.

# Warnings

Observe the following warnings when operating the client adapter:

**Warning**    **Do not operate your wireless network device near unshielded blasting caps or in an explosive environment unless the device has been modified to be especially qualified for such use.**

**Warning**    **In order to comply with RF exposure limits established in the ANSI C95.1 standards, it is recommended when using a laptop with a PC card client adapter that the adapter's integrated antenna is positioned more than 2 inches (5 cm) from your body or nearby persons during extended periods of transmitting or operating time. If the antenna is positioned less than 2 inches (5 cm) from the user, it is recommended that the user limit exposure time.**

Translated versions of these safety warnings are provided in Appendix B.

# System Requirements

As a minimum, your computer system must support the following:

- Macintosh computer with Mac OS 9.x or Mac OS X (version 10.1.x) operating system
  - Apple PowerMac G3 (Blue and White) or G4 computer
  - Apple PowerBook G3 Series 1998, G3 Series 1999, G3 (with firewire), or G4 computer

You also need the following to install and configure the client adapter:

- A Type II or Type III PC card slot or an empty PCI expansion slot

**Note**    If you are using a PC card client adapter, all supporting software for the PC card slot must be loaded and configured.

- The following information from your system administrator:
  - The client name to use for your client adapter
  - The case-sensitive network name or service set identifier (SSID) for your wireless network
  - If you are not connected to a DHCP server, the IP address, subnet mask, and default gateway address for your Macintosh
  - The username and password for your network account
  - If you are using WEP security, the WEP keys for your wireless network
  - If you are using LEAP security, your LEAP username and password

**Note**    To install the client utility on the Mac OS X operating system, you must have administrator privileges.

# Site Requirements

Because the client adapter is a radio device, it is susceptible to RF obstructions and common sources of interference that can reduce throughput and range. Follow these guidelines to ensure the best possible performance:

- Install the client adapter in an area where large steel structures such as shelving units, bookcases, and filing cabinets will not obstruct radio signals to and from the client adapter.

- Install the client adapter away from microwave ovens and 2.4 GHz cordless phones. These devices operate on the same frequency as the client adapter and can cause signal interference.

**Note** Refer to the Appendix E, "Positioning Wireless Devices," for additional guidelines on achieving optimum placement of your Macintosh workstation.