

ARIA™ EXTREME N PCI

Draft 802.11n Wireless PCI Adapter Card



Support Note for Windows® Users: The printed documentation included in this package supports the installation of the Aria extreme n PCI into Power Mac® and equivalent Mac clone computers. If you are installing this product into a compatible Windows PC, please refer to the appropriate documentation included on the software CD.

Quick Start Guide for Mac® Users

You Should Have

The following items should be included in your product package:

- One Aria extreme n PCI 802.11n wireless PCI adapter card
- Three antennas
- One software CD

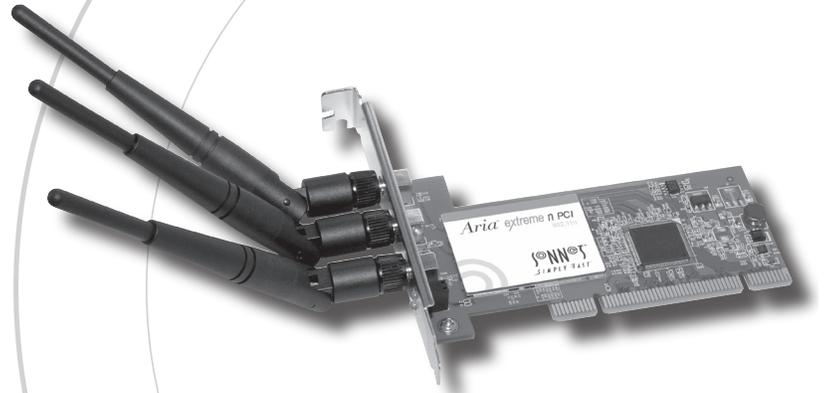
The following may be required for installation:

- Medium Phillips screwdriver

System Requirements

Aria extreme n PCI requires the following in order to operate in your system:

- One available PCI slot
- Mac OS® X Version 10.5 or 10.4



Support Notes: We recommend you make a backup of important information on your system's current hard drive(s) prior to installing new hardware or software.

When handling computer products, you must take care to prevent components from being damaged by static electricity. Before opening your computer or removing parts from their packages, always ground yourself first by touching a metal part of the computer, such as a port access cover, and work in an area free of static electricity; avoid carpeted areas. Handle all electronic components by their edges, and avoid touching connector traces and component pins.



Remember to register your product online at <http://registration.sonnettech.com> to be informed of future upgrades and product releases.

Software updates and links are available from the Sonnet web site at www.sonnettech.com. • Online support form available at <http://supportform.sonnettech.com>.

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Quick Start Guide for Mac Users

Installation Preparation

Sonnet strongly recommends that you read the section in your computer's user manual that addresses PCI card installation, prior to installing the Aria extreme n PCI into your system.

1. If you are going to use your computer with with the Aria extreme n PCI card as a client, set up or configure your AirPort base station or other wireless router prior to installing the Sonnet card and software
2. If you will be connecting to a closed network, get the network's name and password; you'll need this information when you configure the Wireless Utility settings. If access to the closed network is limited to specific users, provide the MAC number from the label on the Aria card to your network administrator so your computer can be added to the list of users with access privileges.

Card Installation Steps

1. Shut down your computer, and then open it to access the expansion card area (PCI slots); refer to your computer's user manual for specific information.
2. Locate an available PCI slot inside your computer and remove its access cover.
3. Remove the Aria extreme n PCI from its packaging, making sure to handle the card by its edges.
4. If you will be connecting to a closed network and access is restricted to specific users, write down the MAC (Media Access Control) number from the label on the back of the card.
5. Install the Aria extreme n PCI into the PCI slot; make sure the card is firmly seated and secured.
6. Close your computer and carefully replace its cover.
7. Install all three antennas included with the Aria extreme n PCI card, making sure to screw them all the way in. For improved reception and transmission, orient the antennas in one of the positions shown in **Figure 1**.

Software Installation Steps

1. Turn on your computer, and then insert the included CD into the computer's optical drive.
2. Double-click the Sonnet 802.11n icon, then double-click the N802.11n-PCI.pkg file to launch the installer; when the *Welcome* window appears, click Continue.
3. When the *Read Me* window appears, click Continue.

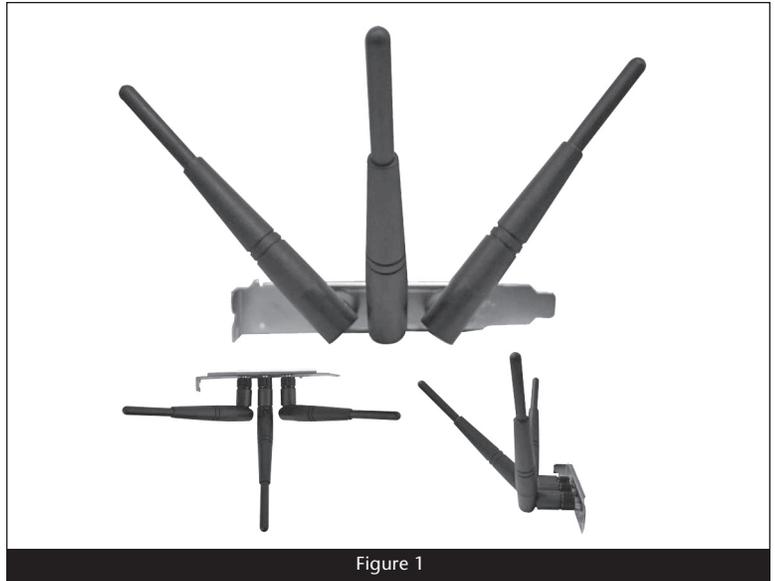


Figure 1

Quick Start Guide for Mac Users

Software Installation Steps (continued)

4. When the *License* window appears, read the license, click Continue, and then click Agree.
5. When the *Select Destination* window appears, accept the default destination or choose a new destination, and then click Install.
6. When asked for a password, enter your password, and then click OK.
7. While the software is installed, a progress bar appears. When the *Installation Completed Successfully* screen appears, click Restart.



Support Notes: Before selecting the Aria extreme n PCI card for use as your computer's active network port, you must first use the Wireless Utility to connect to a wireless network or another computer. After configuring the card, you may then select it in the System Preferences' Network pane.

For a glossary of terms used in the Wireless Utility, please go to the last page of this quick start guide.

Wireless Utility Configuration Steps

Prior to selecting the Aria card for use as your computer's wireless network card, you must connect to a network. The Wireless Utility application installed from the CD enables you to survey nearby wireless access points, configure the Aria card, create profiles, and see additional link information.

1. Upon startup, the Wireless Utility will launch automatically, and the *Wireless Utility* window will appear (Figure 2). **Note:** In some cases, the Wireless Utility application, named *WirelessUtilityCardbusPCI.app*, may not have been added to the list of startup items. Locate the application, launch it, locate and control+click its icon in the dock, and select Open at Login.
2. If it is not already selected, click the Site Survey tab; local wireless networks will appear in the window (Figure 3). Select your wireless network (the name is located in the SSID column if it is not a private network), note whether encryption is enabled (check the status in the Encryption column) and then click Add Profile; a profile configuration window will appear with the System Configuration tab selected.
3. In the profile configuration window, accept the default or change the profile name (Figure 4). If the network to which you are attempting to connect has encryption enabled, click the Authentication and Security tab and proceed to step 4. Otherwise, click OK and skip to step 5.

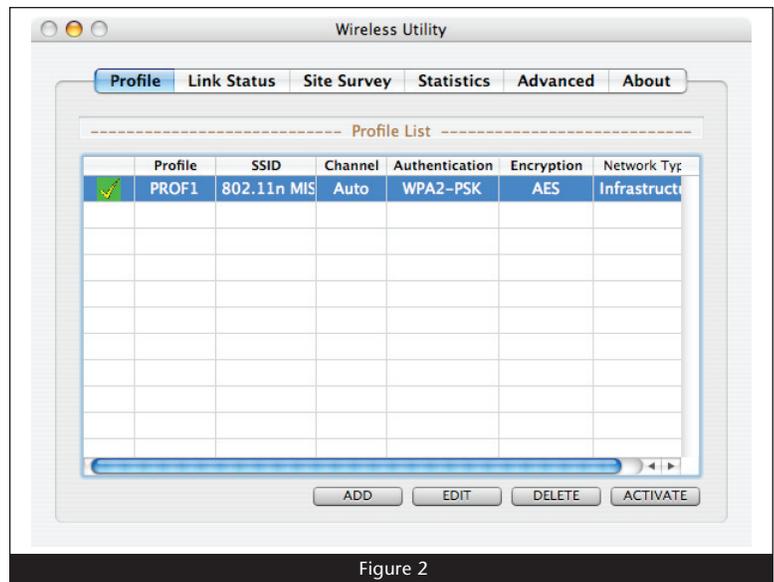


Figure 2

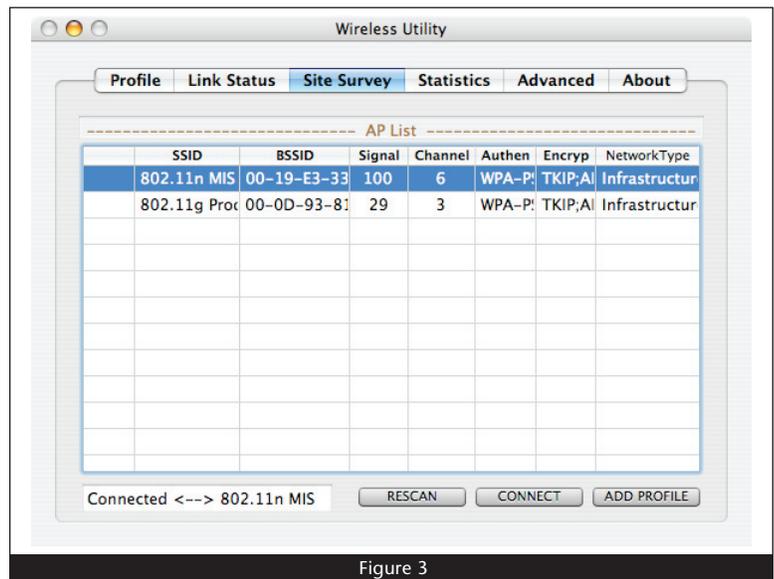


Figure 3

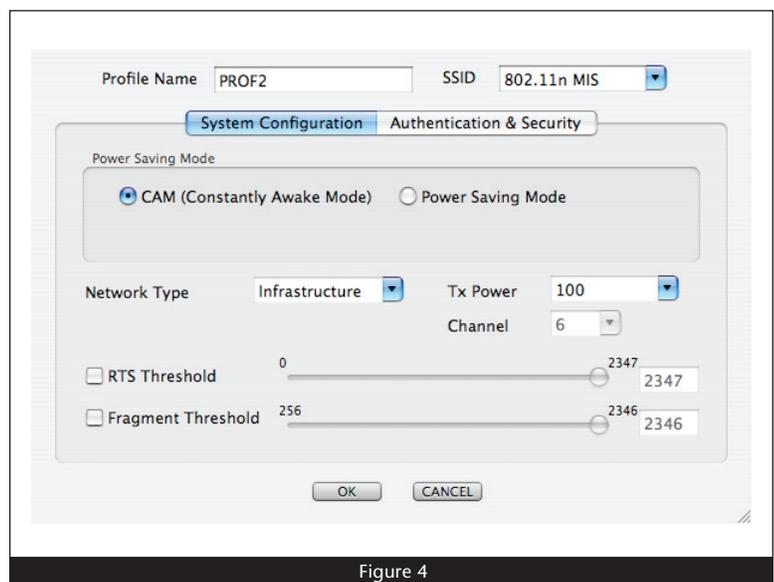


Figure 4

Quick Start Guide for Mac Users

Wireless Utility Configuration Steps (continued)



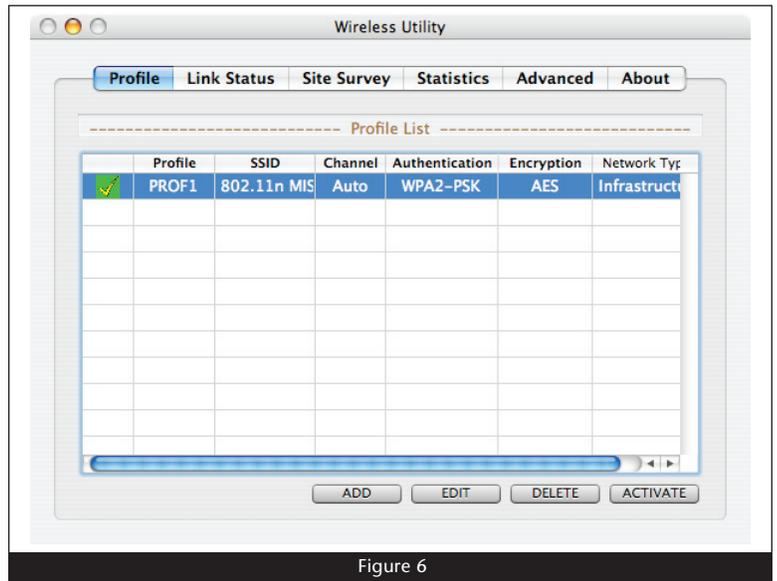
Support Note: Authentication or encryption settings are generated by the wireless router and are detected by the Aria card.

- In the profile configuration window with the Authentication & Security tab selected, enter the necessary key(s) in the empty fields and then click OK (Figure 5).



Support Note: If the Aria card does not connect to the network, you may need to choose different authentication and encryption settings than the defaults. Select the profile you created, click Edit, select the Authentication and Security tab, and adjust the settings as necessary.

- The profile you created will appear in the Profile List (Figure 6). Select it and then click Activate; a green checkmark box will appear next to it within 30 seconds showing the Aria card is connected to the network. If a red checkmark box appears, the Aria card is not connected. You may not have entered the correct key(s); delete the profile and repeat steps 2–4.
- Once the Aria card is connected to the desired network, you must change your computer's network preferences to make it the active network port; go to page 5.



Quick Start Guide for Mac Users

System Configuration Steps—Mac OS X Version 10.5 (Leopard) Users

Listed below are the steps necessary to configure your computer running Mac OS X Version 10.5 to use the Aria card as its active network port.

1. From the Apple menu, select System Preferences, and then click the Network Preferences button; a message will appear stating a new network interface has been detected. Click OK.
2. If it is not already selected, click on the Aria card (identified as a PCI Ethernet card) in the left panel, and then click Apply.
3. Close System Preferences; your installation is complete.

System Configuration Steps—Mac OS X Version 10.4 (Tiger) Users

Listed below are the steps necessary to configure your computer running Mac OS X Version 10.4 to use the Aria card as its active network port.

1. From the Apple menu, select System Preferences, and click the Network icon. If a window appears stating that a new port is detected, click OK, and then skip to step 4. Otherwise, go to step 2.
2. From the Show: drop-down menu, select Network Port Configurations, and then click New.
3. From the Port: drop-down menu, select the Aria card (identified as an Ethernet adapter), enter a name, and then click OK.
4. From the Show: drop-down menu, select Network Port Configurations. Locate the Aria card in the list, and then drag it to the top of the list.
5. Click Apply Now, and then close System Preferences; your installation is complete.

Glossary of Terms

Listed below are descriptions for some of the terms used in the Wireless Utility application.

SSID: The Service Set Identifier is the name of the wireless access point or device, as determined by the manufacturer (default name), user, or network administrator.

BSSID: The Basic Service Set Identifier refers to the *unique* Ethernet ID (or MAC address) for a wireless access point or device. For example, if you are in a neighborhood with several wireless routers from the same manufacturer, the SSID may be the same for all of them, but the BSSID for each is unique.

Signal: Signal indicates the signal strength of wireless access points and devices.

Channel: Refers to the radio frequency the Aria card is tuned to and using for communication with the wireless access point.

Encryption: Refers to the data encryption method (WEP, WPA, AES, etc.) used between wireless access point or device and the Aria card.

Authentication: Refers to the type of key used for authenticating communication between the wireless access point or device and Aria card.

Network Type: Infrastructure or AdHoc. Infrastructure refers to a computer-to-wireless access point (e.g. a wireless router) network. AdHoc refers to a computer-to-computer network or computer-to-device link without a wireless access point between.