



**QUICKERTEK™**  
BEFORE YOU CAN THINK IT

nNano~ USB



Kit Contains the following items:

- \*nNano~USB device
- \*USB cradle
- \*Instruction Booklet
- \*Installation CD~10.3.9, 10.4.x,  
10.5.x & 10.6.x drivers

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Nd-USB

## Instructions

Before installing the software please repair disk permissions....

To locate the Disk Utility~go to your Hard Drive~in Applications scroll down and locate Utility Folder~inside in alphabetical order find the Disk Utility. It is the Hard Drive with a stethoscope.

Click to open, notice on the left of the screen two or more line items. The first is the brand and model of your computer's hard drive, the second item should be the name of your computer (Example~my Hard Drive is called Pandora's Box I would choose this one). Click to highlight this will take you to the FIRST AID page.

Notice at the bottom, buttons click REPAIR DISK PERMISSIONS let this run. It will tell you inside the white box when Permissions are repaired. Quit Disk Utility.

Now pop the CD in and click on the disk image to open your CD. Inside you will find folders that are labeled 10.4, 10.5 and 10.6 on them. You will need to know what OS you are running on your computer. IF you are unsure what operating system you are running. Click the Apple icon at the top left corner of menu bar. A drop down menu will appear, choose ABOUT THIS MAC~look to see what version you are running.

Example~  
my iMac is running  
version 10.5.8



## Continue.....Accessing a WEP encrypted Apple AirPort Base Station via QuickerTek

In the case of the nNano you will need to get the full password the base station creates, which is known as the Network Equivalent Password. To acquire the Network Equivalent Password, you will need to access the base station from a client using the AirPort software via the AirPort Administration utility. Once you have logged into the AirPort base station go to the Base Station menu and select Network Equivalent Password.

You will be presented a dialog box that has the password in hexadecimal. Record this password as you will need it in the following step. Bring up the USB Wireless Utility, and select the encrypted base station that you are attempting to access, and then select Connect.

You will be presented with a dialog box. You must select the appropriate encryption type as noted from the Airport Administration utility. Select hexadecimal from the Key #1 popup menu. Then type in the 10 or 26 character password you noted from the Network Equivalent Password from the Airport Administration utility and then hit Ok.

You will then be attached to the base station.

Accessing a WPA encrypted Apple AirPort Base Station via QuickerTek nNano. To access a WPA encrypted Apple AirPort Base Station via QuickerTek nNano simply

open the USB Wireless Utility and select the base station you wish to attach to and select Connect. In the dialog box that appears, select WPA-PSK and then enter the appropriate password in the WPA Pre-Shared Key field and click Ok.

If you are using WPA enterprise, enter the appropriate Radius Server information and Pre-Shared Key information as provided by your network administrator and then click Ok.

### **This next section is for secure networks for all operating systems.**

If your wireless network is secure please see your manual for configuration instructions. Most wireless networks use either WEP or WPA.

WEP-WIRED EQUIVALENT PRIVACY: Security protocol for wireless networks that uses an encryption method to transmit data. NOTE: For wireless devices to communicate all of them must use the same WEP settings.

WPA-WiFi PROTECTED ACCESS: Wireless security with greater protection than WEP. NOTE: All computers, access points, and wireless adapters must use the same type of security either WEP or WPA.

### **Accessing a WEP encrypted Apple AirPort Base Station via QuickerTek**

Background information

Apple AirPort and AirPort extreme base stations support 40-bit or 128-bit encryption. The only exception to this is the graphite base station, which only supports 40-bit encryption. The encryption uses either ASCII (a-z 0-9) or hexadecimal (0-9 a-f). 40-bit encryption uses 5 ASCII or 10 hexadecimal characters. 128-bit uses 13 ASCII or 26 hexadecimal characters.

Apple base stations and clients using AirPort software are user friendly (what else would you expect) when it comes to encryption passwords. You can enter less than the Prerequisite number of characters for 40-bit or 128-bit encryption and the base station will create the rest of the necessary characters for the desired encryption, transparently to the user. This is great except when the client is not using AirPort software, like the QuickerTek nNano

### **Instructions**

Since my iMac's OS is 10.5.8 Leopard I would open the folder 10.5 and click on the install package and follow the screens as directed. It will ask you to restart your computer. This is part of installing the software.

1. After computer is back up, make sure that you turn off the internal AirPort card. To do so, in the top right dock locate the AirPort icon. It looks like a piece of pie with lines through it. Just click and a menu will appear choose Turn AirPort Off.
2. Now you will be plugging in the nNano into the USB port on your computer. You can use the male to female USB cable that bends or you can plug directly into the USB port.
3. A dialog box will appear stating that a New Network Interface has been detected. click Network Preferences but let's not do anything here yet.
4. The Wireless Utility will appear~every time the nNano is plugged in. Site Survey is the default tab which show all of the networks that the unit has detected. The Site Survey tab is very helpful~it shows the networks, signal strength **NEVER CONNECT TO A NETWORK UNDER 50%** and if the network is encrypted or is an open network.
5. We are going to make a PROFILE of our network so, highlight the network that you plan on using, whether it is your own or an open network. Click the ADD PROFILE button at the bottom. We are now in the create screen and here you can name your profile what ever you want it is for your use only. I recommend that if you plan on using your computer at different places to name your profiles differently and not leaving them Prof 1, 2, 3 etc. (Example~Home, Coffee Shop, Motel 8).
6. After naming your Profile if your network is not encrypted (password protected) click OK and it will take you to the Profile Tab where you will see the Profile that you just made, Highlight and click the ACTIVATE BUTTON you will see on the left side a **GREEN BOX WITH A YELLOW CHECK** WILL APPEAR.

## Instructions

7. If your network is ENCRYPTED~PASSWORD PROTECTED then you will name your Profile then click on the AUTHENTICATION & SECURITY BUTTON in this screen you will see only one area that you can type in your password. If the encryption is WPA you would type the password in the PRE-SHARED KEY slot. For WEP you would type the password in the KEY #1 slot.
8. Now click the OK button, it will take you to the PROFILE TAB and you will see the Profile that you just made. Highlight and click the ACTIVATE button the unit will take the password that you placed in your profile and goes out to see if it is accepted. If so, it will come back with a GREEN BOX with a YELLOW CHECK. If it comes back with a RED BOX with a YELLOW CHECK there is a problem. Highlight the Profile and click the EDIT button and retype the password click the OK button and highlight the Profile and click the ACTIVATE if it comes back GREEN you are good to go!
9. Now, let's go to the SYSTEMS PREFERENCES it should be open to NETWORK. In Network~ using 10.4 TIGER will be the most different then 10.5 LEOPARD and 10.6 SNOW LEOPARD.
10. In 10.4 TIGER~the first drop down menu is LOCATION~this should be set as AUTOMATIC. The next drop down menu is SHOW~find the ETHERNET ADAPTOR (en what ever number). When you choose this it will take you to the TCP/IP tab. CONFIGURE IPv4~should be at USING DHCP. Click on the APPLY NOW button at the bottom. Give the unit a few seconds to pass security and come back with a valid IP Address, Subnet Mask and Router number. That is it. You should be able to connect to the internet.
11. In 10.5 LEOPARD and 10.6 SNOW LEOPARD~NETWORK will look the same. The screen is divided on the left of the screen you will notice the different interfaces that you can choose~BLUE TOOTH, AIRPORT, FIREWIRE.
12. The only difference is what the unit is called~10.5 it will be called USB ETHERNET ADAPTOR (EN what ever number)

## Instructions

13. 10.6 SNOW LEOPARD~ the interface~unit will be called WALAN 802.11n. Highlight and click the APPLY button at the bottom. It will take a few seconds to come back with a valid IP ADDRESS, SUBNET MASK and ROUTER number. The dot beside the interface will turn from RED or YELLOW to GREEN and roll up to the top. And if you look to the right of the screen under STATUS it will say connected with a IP ADDRESS..
  14. IF IN STATUS IT SAYS~WALAN 802.11N MAY NOT BE ABLE TO CONNECT TO THE INTERNET AND HAS A SELF-ASSIGNED IP ADDRESS...
  15. There is only two reasons for this to happen~IF THE SIGNAL STRENGTH IS BELOW 50% OR SOMETHING IS WRONG WITH THE PASSWORD YOU GAVE THE PROFILE YOU MADE.
  16. IF by some chance while in NETWORK and you don't see the unit listed to the left of the screen, click the + button at the bottom left and a dialog box will appear. Drop the INTERFACE menu down and find the ETHERNET ADAPTER or WALAN (EN what ever number) choose and click the CREATE button and it will appear to the left of the screen. Highlight and click the APPLY button at the bottom.
- THE OTHER TABS IN THE WIRELESS UTILITY
- LINK STATUS TAB~shows status of your network. If connected, Channel, Link Speed, Link Quality and Signal Strength of the antenna.
- ABOUT TAB~Shows what version of software you have. When checking make sure that you look at the NIC Driver to see what version you are running.
- WPS TAB~Does nothing for us MAC peoples IF you are a PC person than this would benefit you.
- STATISTICS AND ADVANCED TABS~Statistics shows transmit and receive stats. Advanced~Shows the Wireless Mode.