

IEEE 802.11g (draft)
Wireless Network Adapter
User Manual

Model: GL245401-0A
GL2454MP-0A

version 1.0

Manufacturer's Disclaimer Statement

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example **RT, AP & PCI Card**). The final end product must be labeled in a visible area with the following: **“Contains TX FCC ID: KA25212G”**.

Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the users manual of the end product which integrate this module

The users manual for OEM integrators must include the following information in a prominent location “ IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Driver Installation

Step 1: Insert the 802.11g Wireless Network Adapter into your computer.

Windows Found New Hardware Wizard will come up.

Select the second option and click “Next” to continue.



Step 2: Select the driver to install.

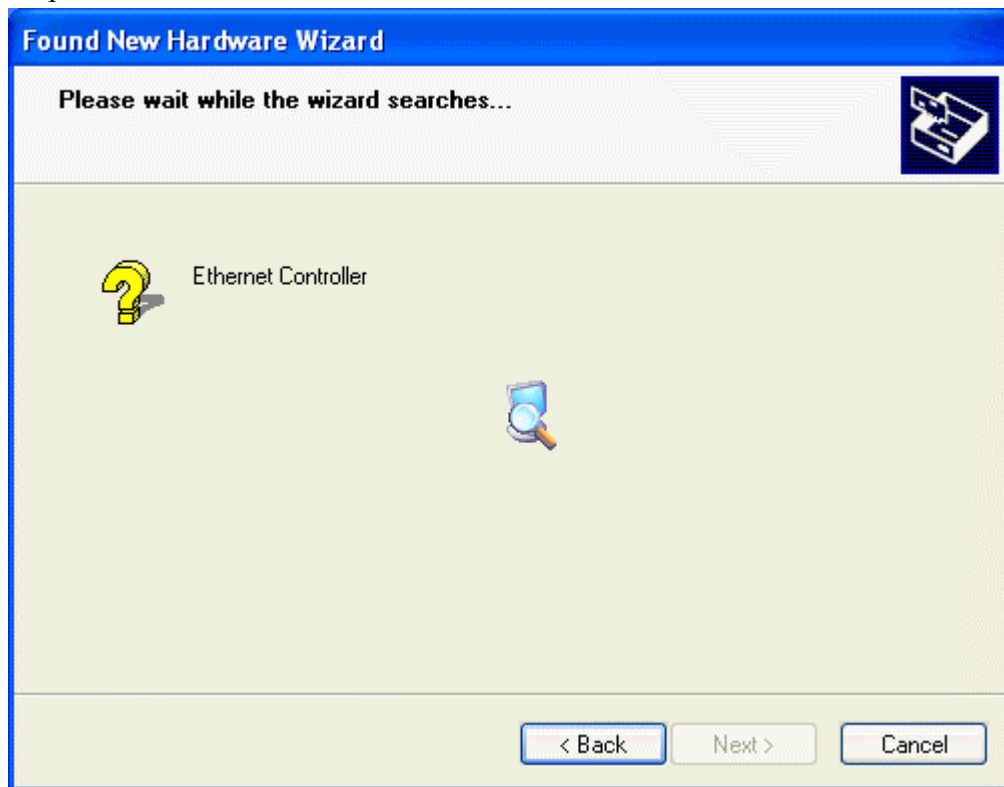
Click “Browse” to select the folder where you store the driver files.

Click “OK” to continue.

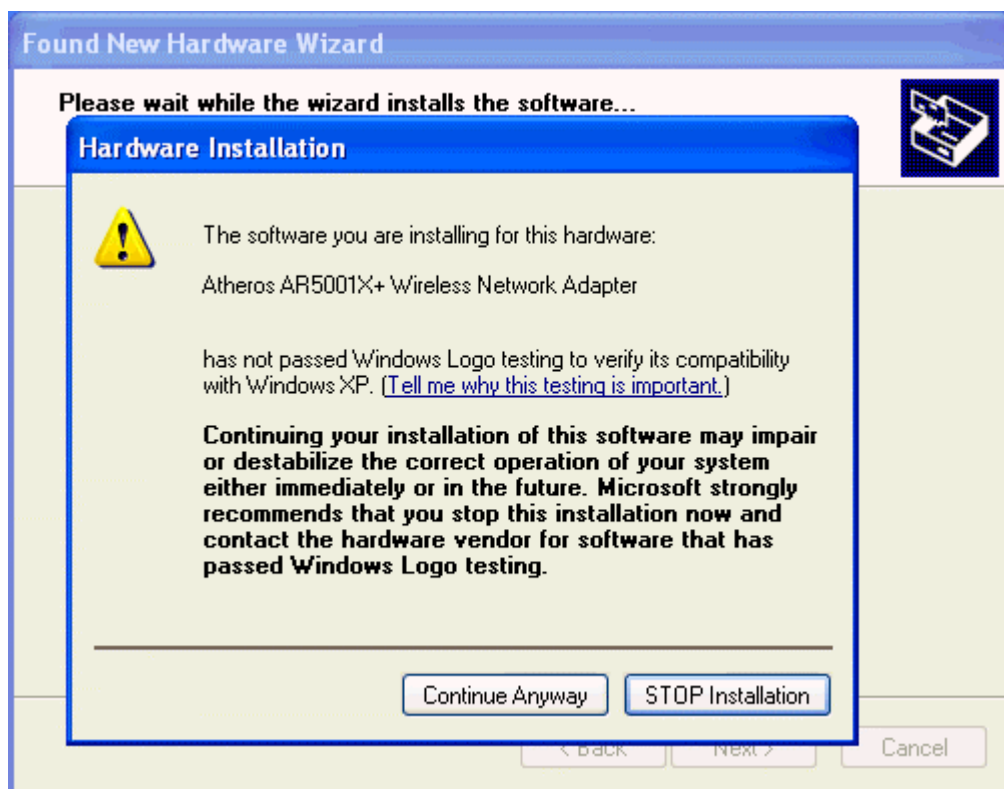
Click “Next” to continue.



Step 4: Driver Found

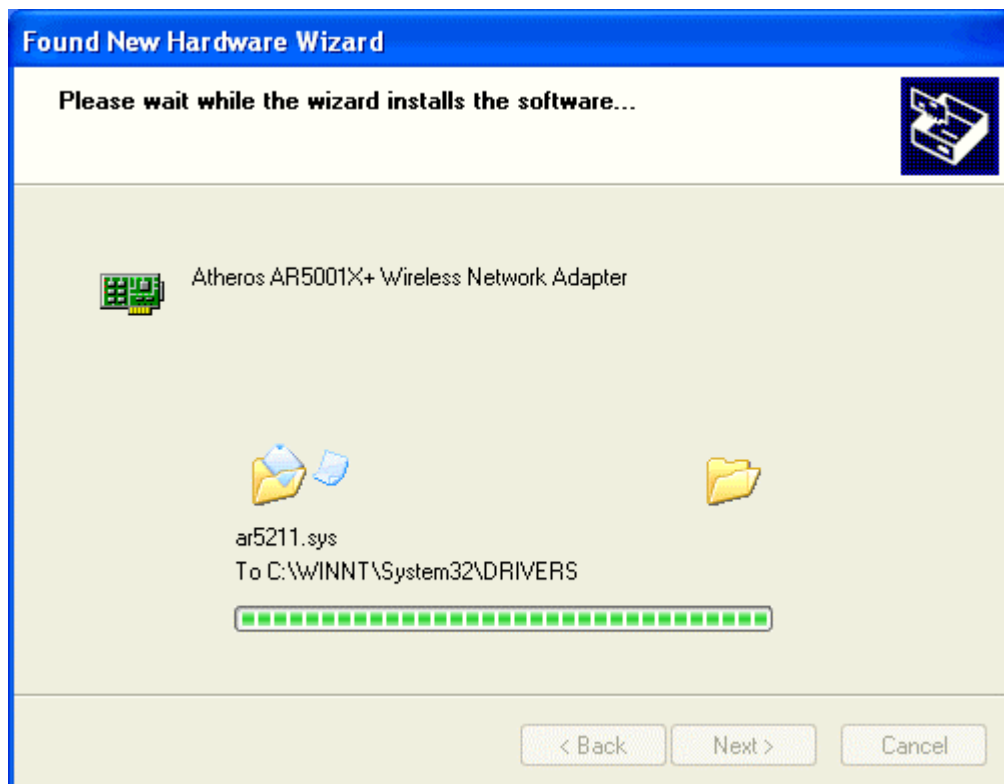
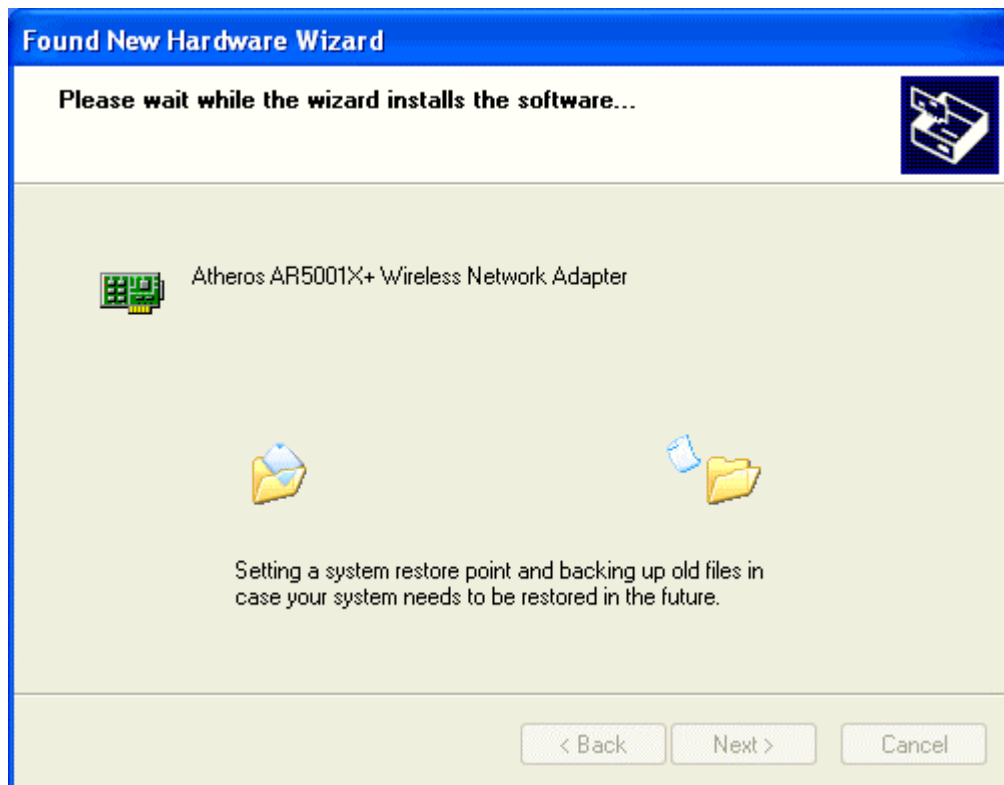


Click "Continue Anyway" to continue



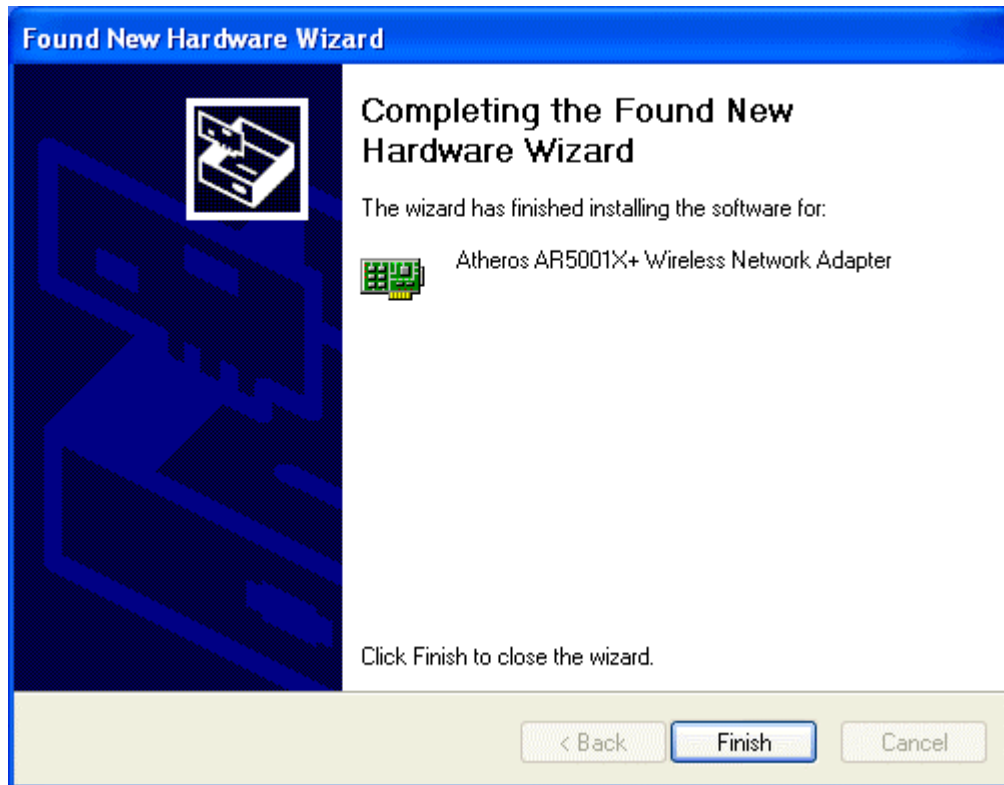
Step 3: Driver Installation

Driver files are being saved to your Windows system.

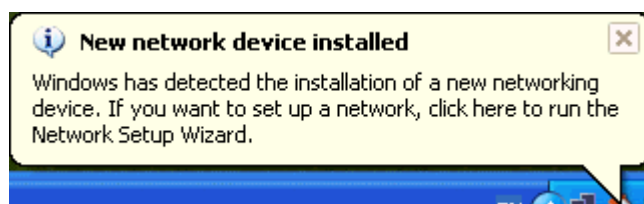


Step 4: Driver Installation Complete

Click “Finish” to complete the driver setup.



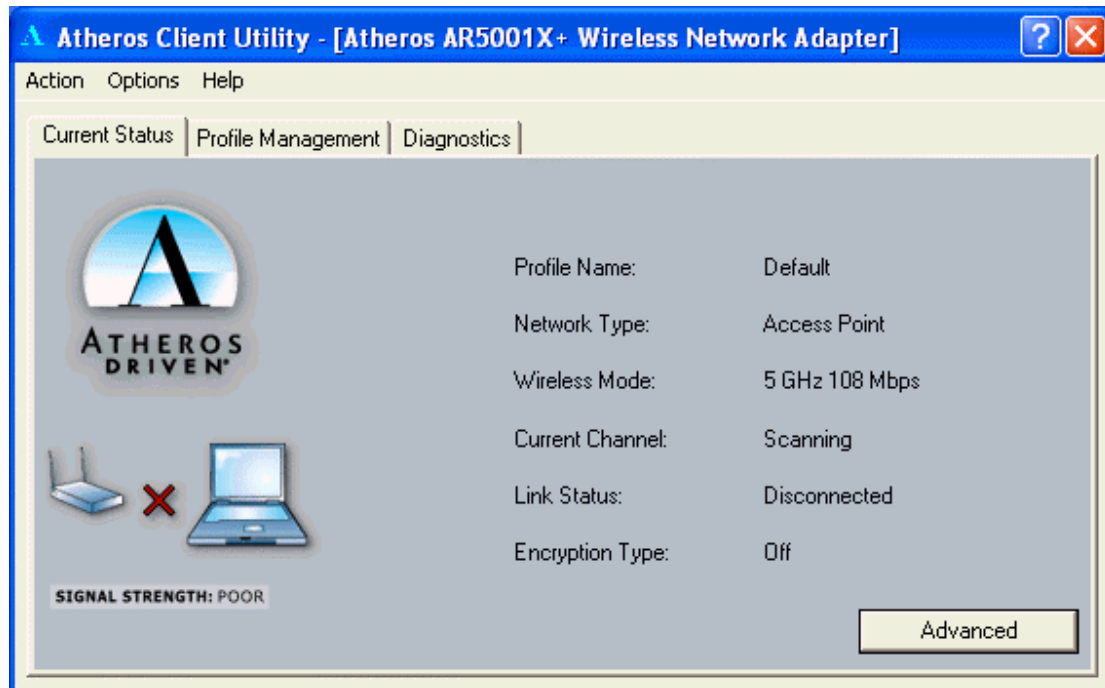
The following message will appear as soon as you successfully installed the driver for your IEEE 802.11g wireless network adapter.



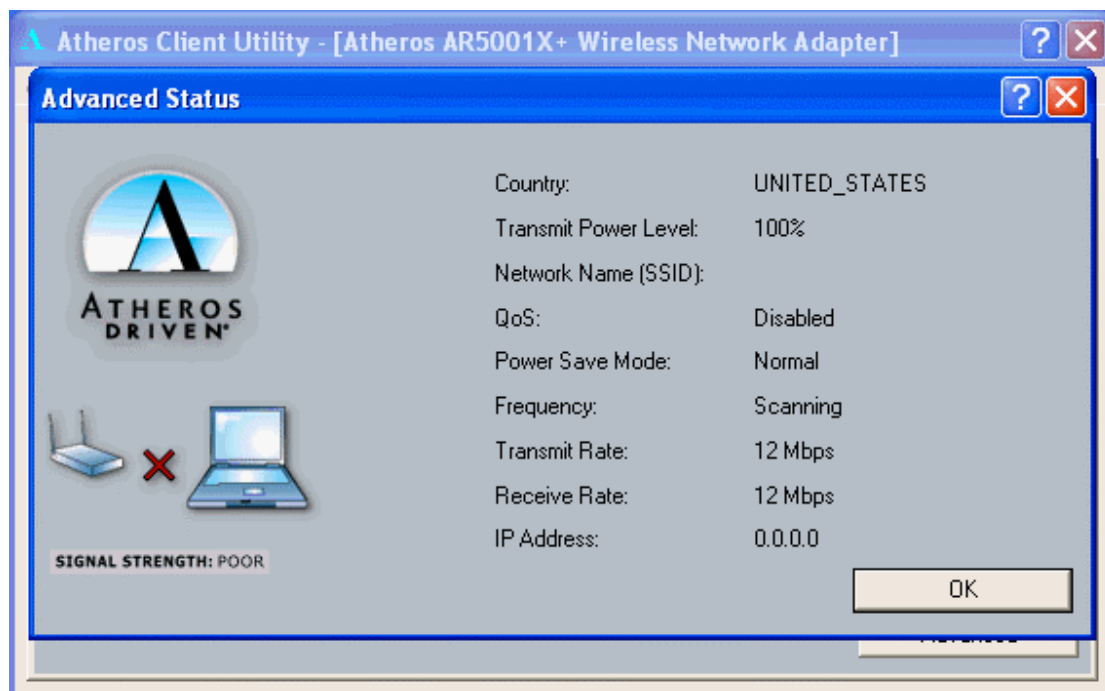
Utility Configuration

Current Status

Display the current settings such as Profile Name, Network Type, Wireless Mode, Current Channel, Link Status and Encryption type.

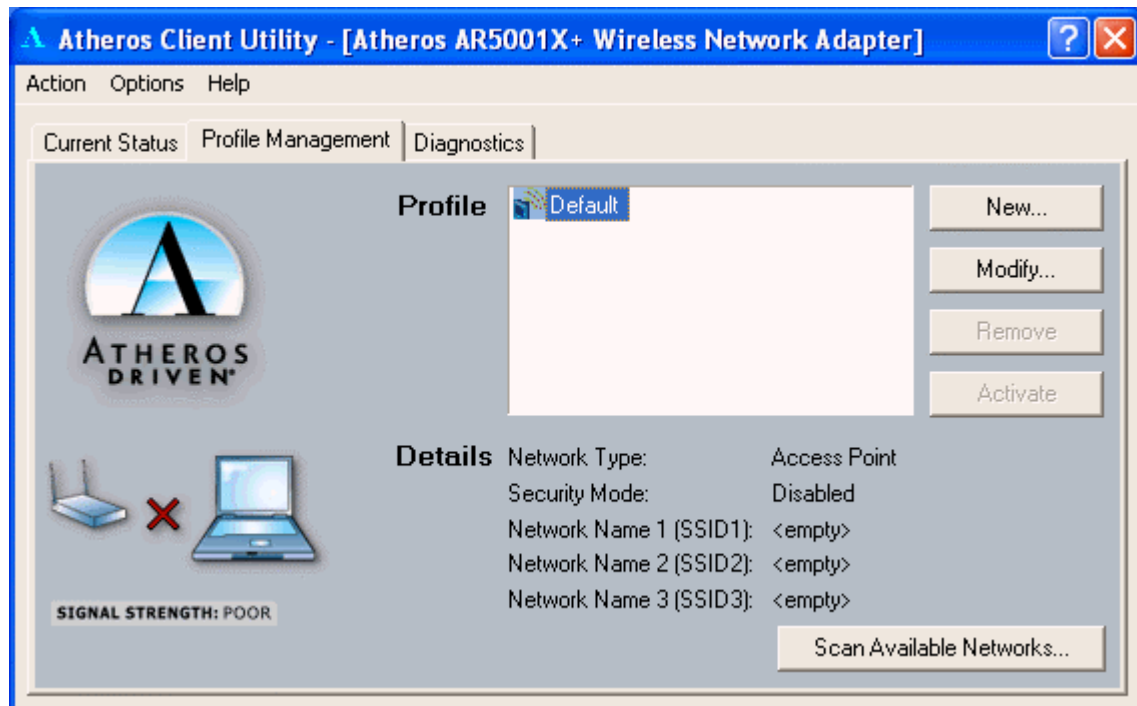


Click on the “Advanced” button to change display details.



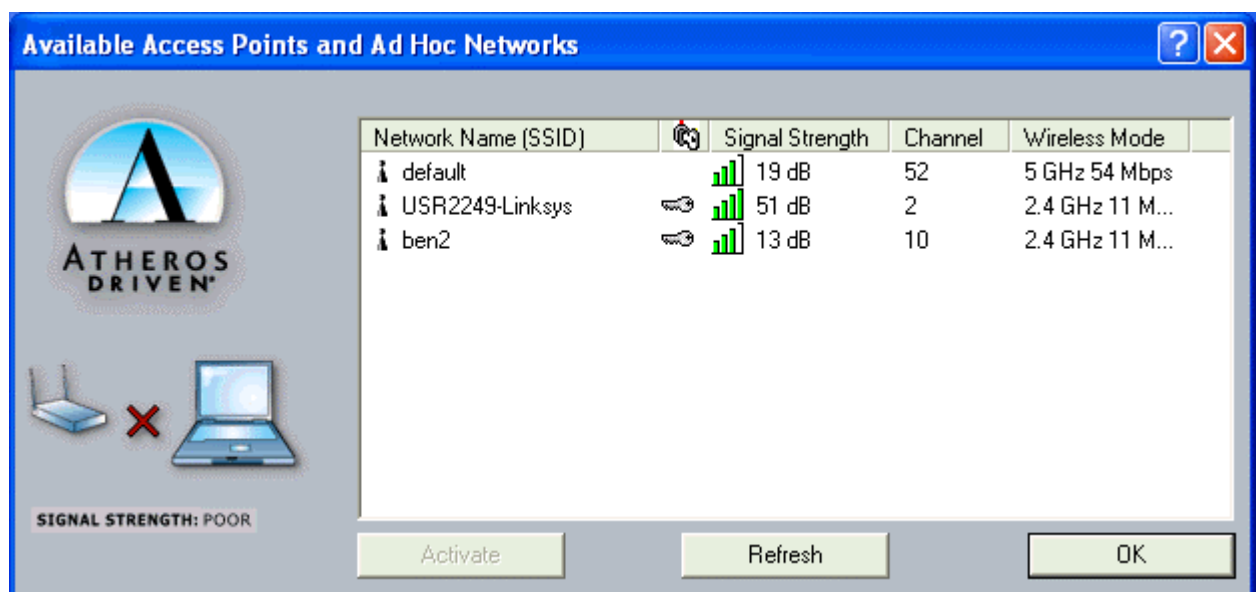
Profile Management

Create profile for the common wireless networks that you get connected to. You may create new profile by clicking on the “New” button, and modify the existing



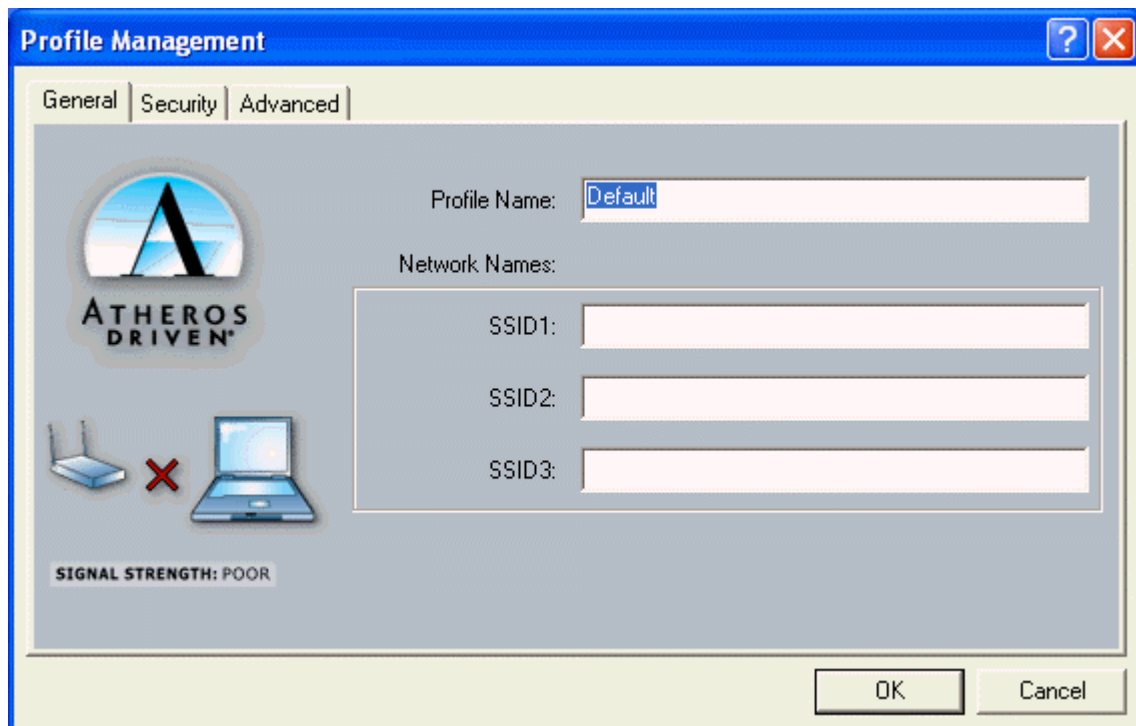
profile settings by clicking on the “Modify” button.

Click on “Scan Available Network” to scan for the nearby wireless network.



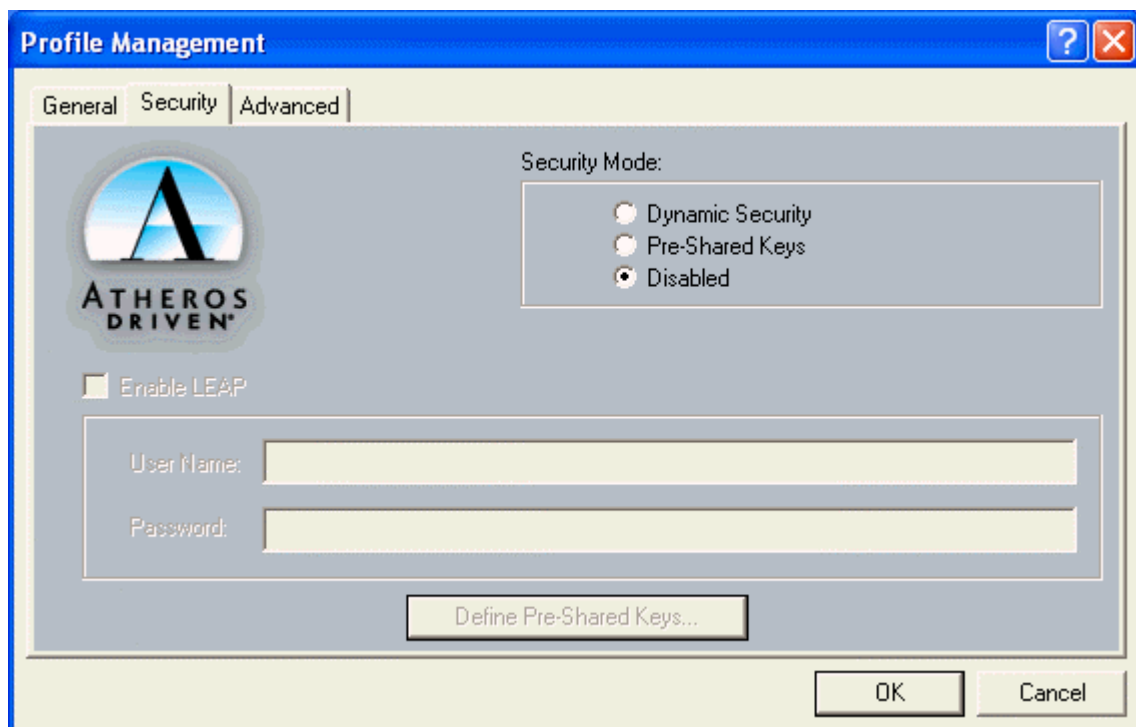
Select the wireless network that you wish to get connected to and click “OK” to continue.

In “General” Tab, Enter “Profile Name”, and enter SSID for this profile.



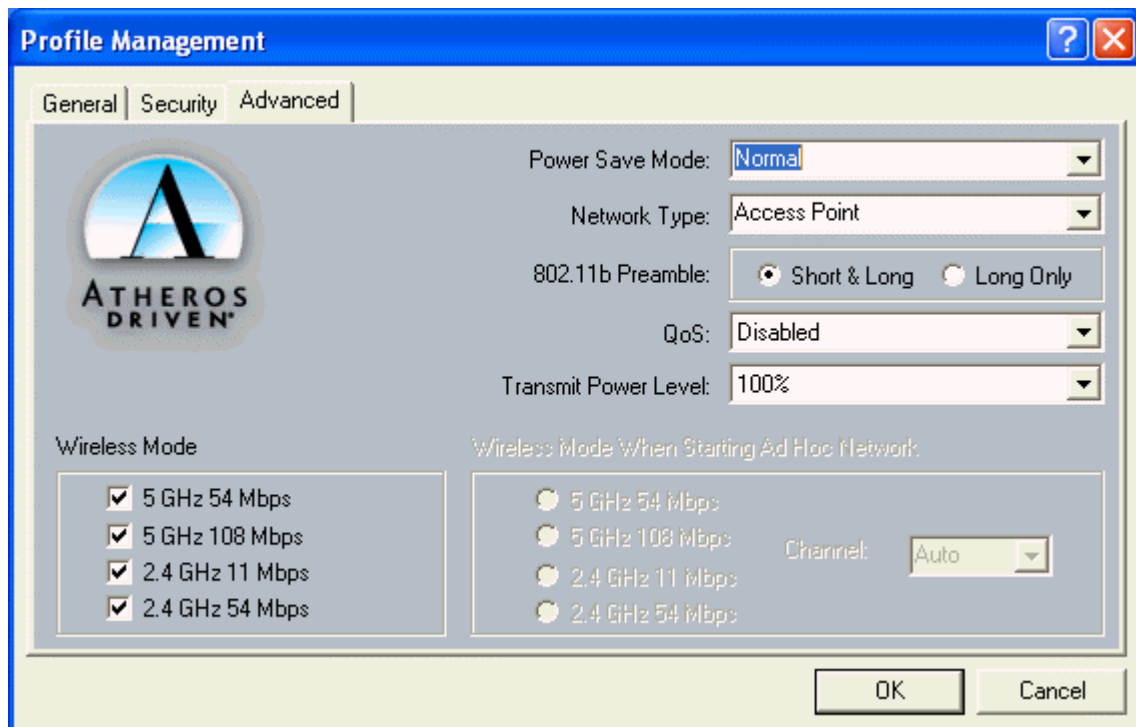
The screenshot shows the "Profile Management" dialog box with the "General" tab selected. The "Profile Name" field contains the text "Default". Below it, the "Network Names" section contains three empty text boxes labeled "SSID1:", "SSID2:", and "SSID3:". On the left side, there is an "ATHEROS DRIVEN" logo and a signal strength indicator showing a router and a laptop with a red 'X' between them, labeled "SIGNAL STRENGTH: POOR". At the bottom right, there are "OK" and "Cancel" buttons.

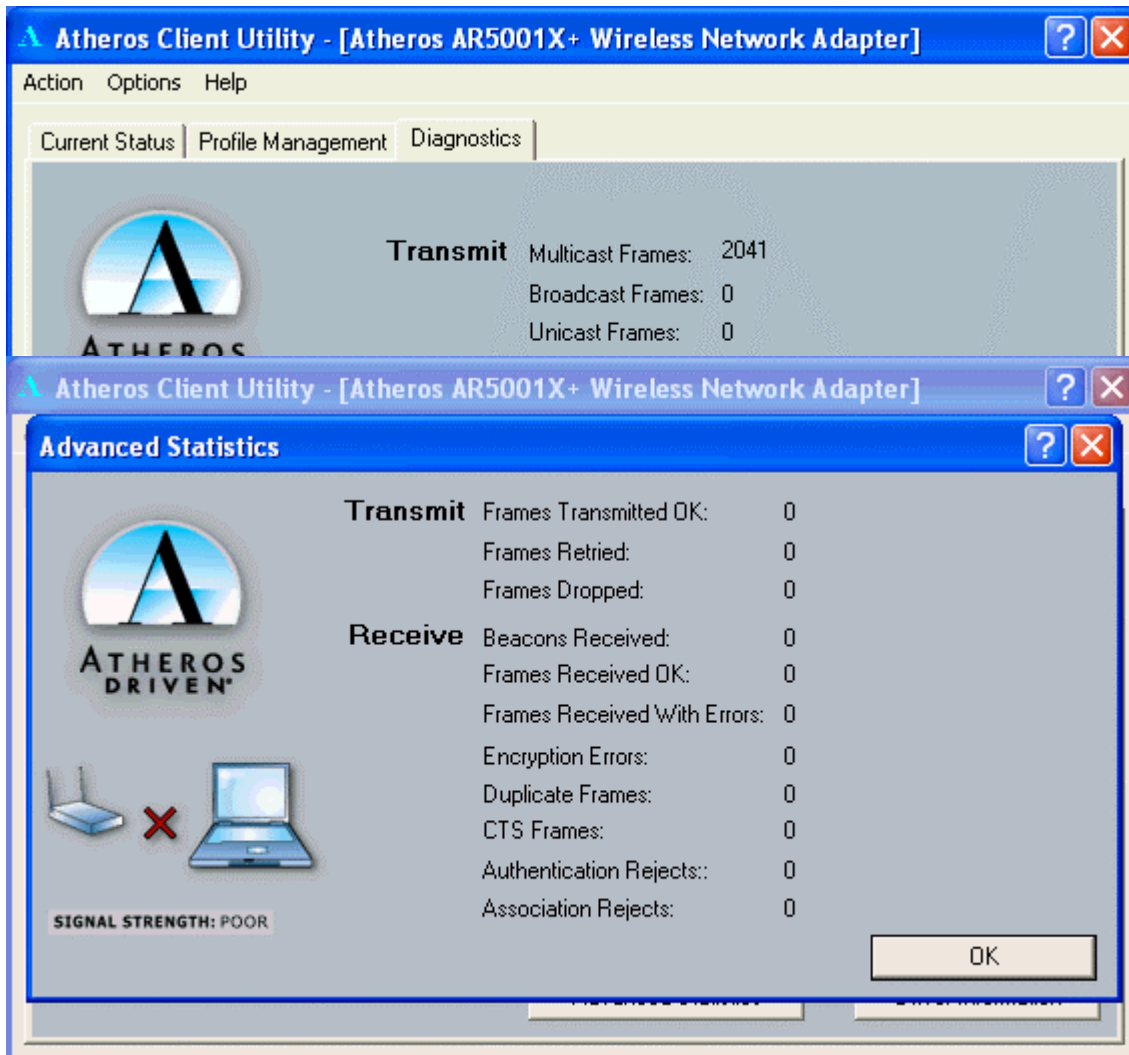
In “Security” Tab, select the security mode, and enter the WEP key if you enable the Pre-Shared Keys option. Click “OK” for the changes to be effective.



The screenshot shows the "Profile Management" dialog box with the "Security" tab selected. The "Security Mode" section has three radio buttons: "Dynamic Security", "Pre-Shared Keys", and "Disabled", with "Disabled" selected. Below this, there is a checkbox labeled "Enable LEAP" which is unchecked. Underneath the checkbox are two text boxes labeled "User Name:" and "Password:". At the bottom center, there is a button labeled "Define Pre-Shared Keys...". At the bottom right, there are "OK" and "Cancel" buttons.

In the “Advanced” Tab, select the Power Save mode, Network Type and other advanced options. Click “OK” for the changes to be effective.





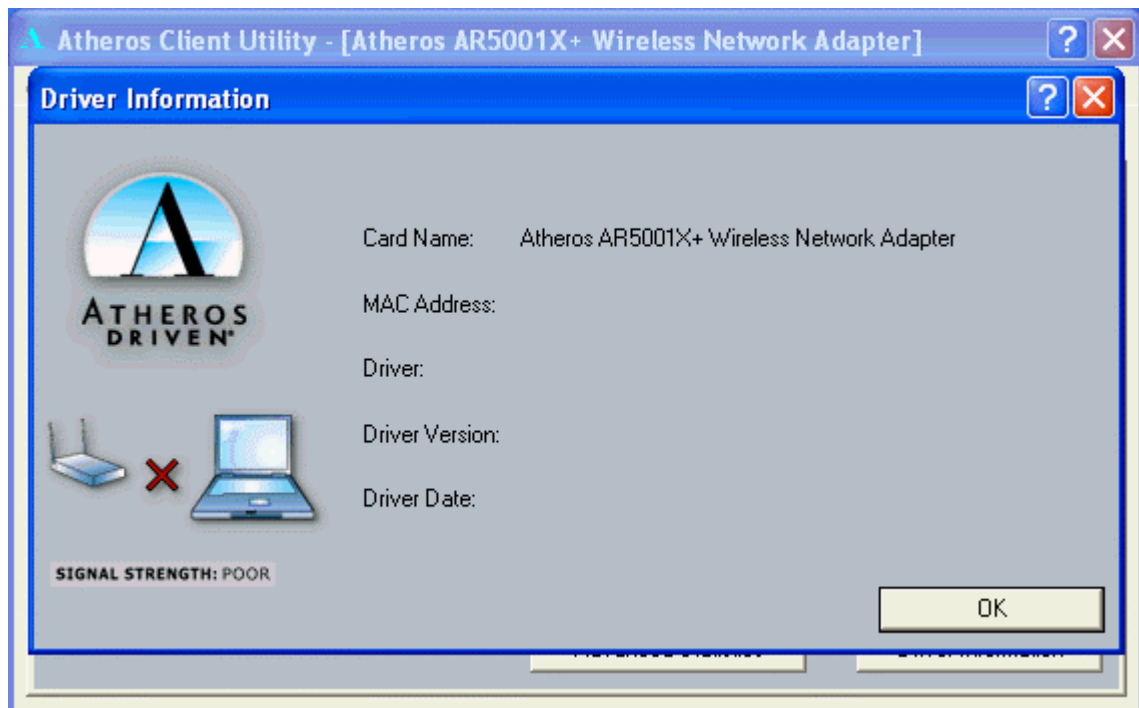
Diagnosis

Display current statistics such as Transmitting and Receiving packets.

Click on "Advanced Statistics"

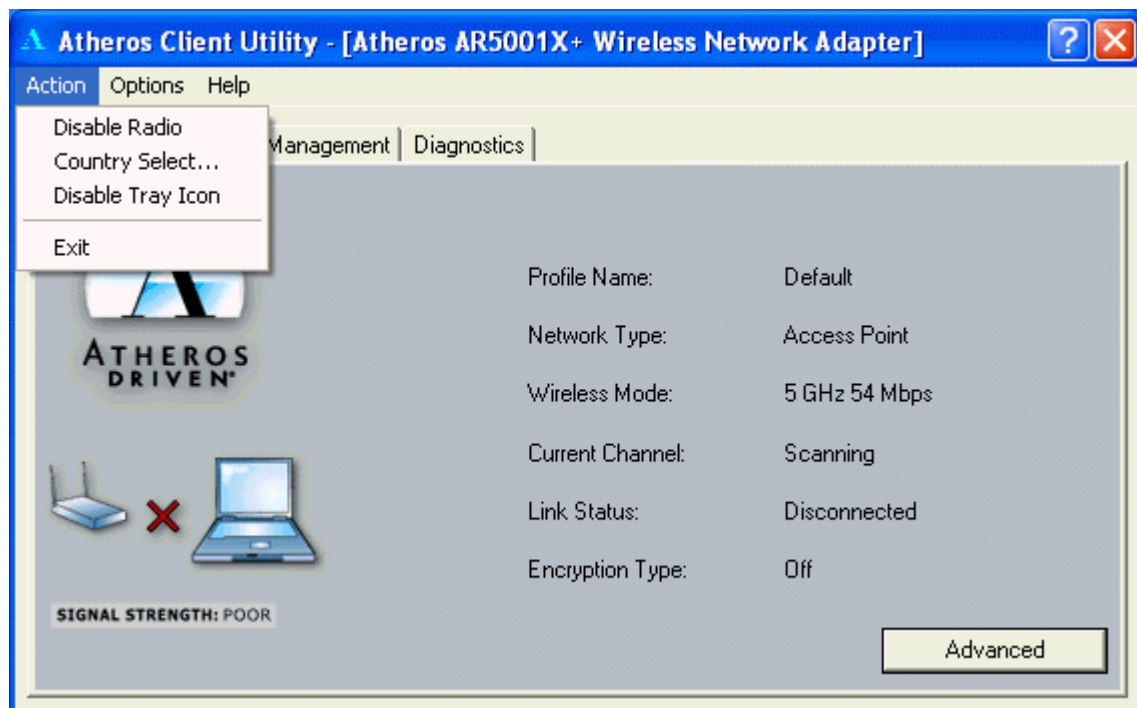
to display more detail information

Click "Driver Information" to display driver version and other detail information.



Click on “Action” on the menu selection to access functions such as “Disable Radio”,

“Country Select...” and “Disable Tray Icon”



Click “Options” to display current settings.

