# MiniPCI 802.11b/g Wireless Card

# 802MAG

# User’s Manual

# Contents

## 2. Introduction

Thank you for purchasing MiniPCI 802.11b/g wireless lan Module. This manual will assist you with the installation procedure.

The package you have received should contain the following items:

- Mini PCI 802.11b/g Wireless LAN Card
- User manual
- CD containing Wireless LAN Management utility and driver software.

Note: if anything is missing, please contact your vendor

## 3. MiniPCI 802.11b/g Wireless Lan Card Basics

Wireless systems offer a great number of advantages over a traditional, wired system. MiniPCI Wireless LAN Card are more flexible, easier to setup and manage and often more cost effective than their wired equivalence.

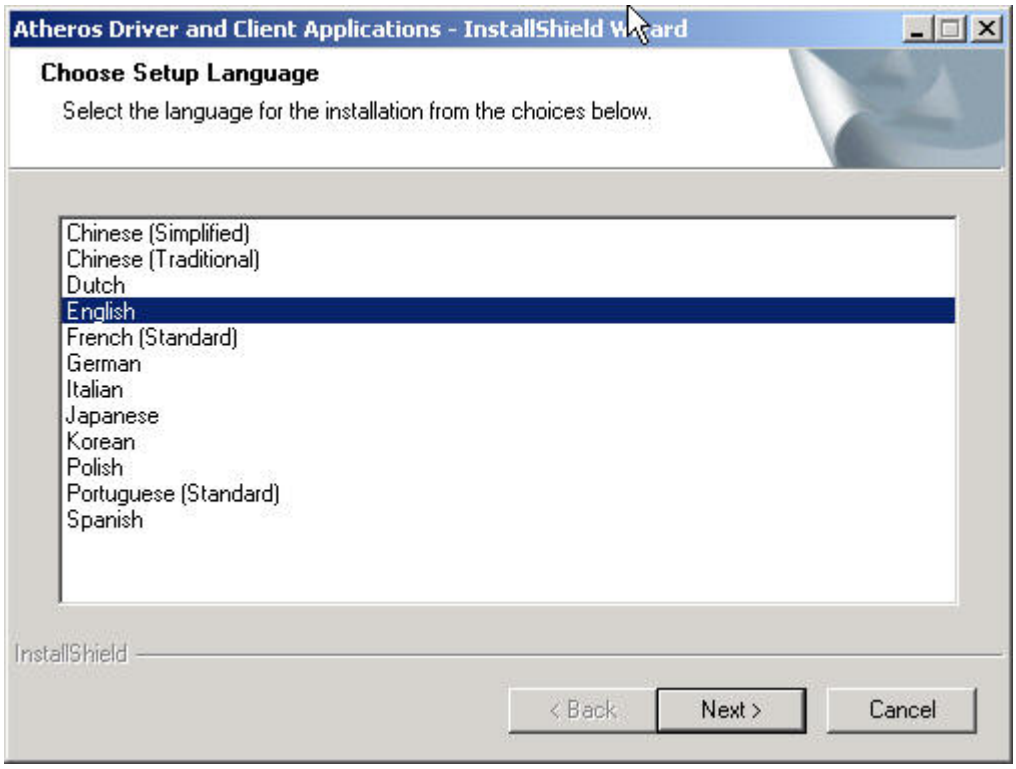
With Mini PCI wireless LAN Card users can access shared information without looking for a place to plug in and network managers can set up or augment networks without installing or moving wires. MiniPCI Wireless LAN Card offers the following productivity, convenience and cost advantages over traditional wired networks.

- Mobility – Wireless systems can provide LAN users with access to real-time information anywhere in their organization. This mobility supports productivity and service opportunities not possible with wired networks.
- Installation Speed and Simplicity – Installing a MiniPCI Wireless LAN Card system can be fast and easy and can eliminate the need to pull cable through walls and ceilings.
- Installation Flexibility – wireless technology allows the network to go where wires cannot go.
- Reduced Cost-of-Ownership – While the initial investment required for MiniPCI Wireless LAN Card hardware might be higher than the cost of wired LAN hardware, overall installation expenses and life-cycle costs will be significantly lower. Long- term cost benefits are greatest in dynamic environments requiring frequent moves, adds, and changes.
- Scalability – MiniPCI Wireless LAN Card systems can be configured in a variety of topologies to meet the needs of specific applications and installations. Configurations are easily changed and range from peer-to-peer networks suitable for a small number of users to full infrastructure networks of thousands of users that allows roaming over a broad area.

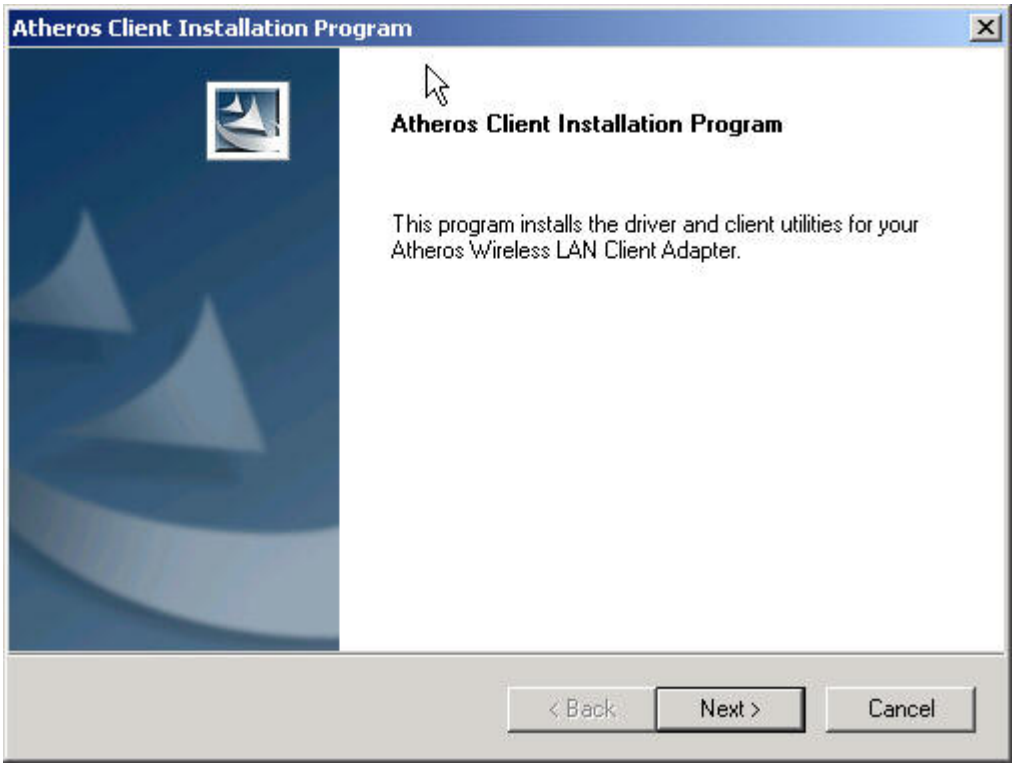
# 4. Installation and Overview

Here are some steps you will perform in establishing your wireless network connection:

1. Install Atheros Utility using the Installation CD.
2. The *Installshield Wizard* will showed up
3. Please choose the language in **English**



4. The *"Atheros Client Installation Program"* will show up, please click **Next.**

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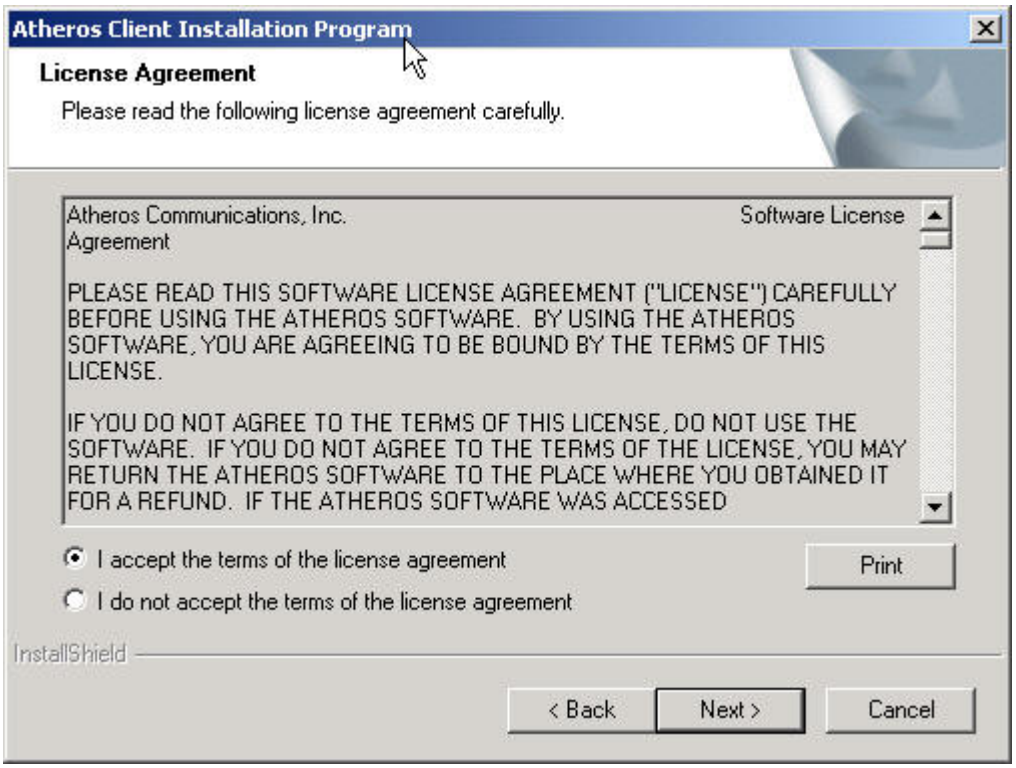
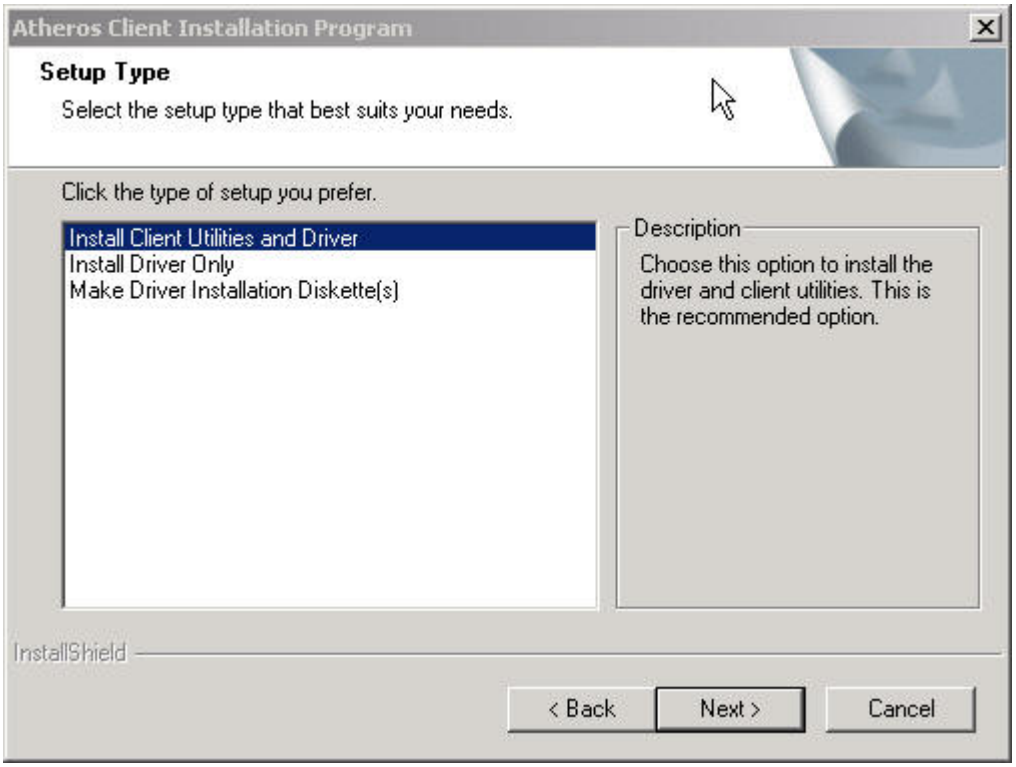
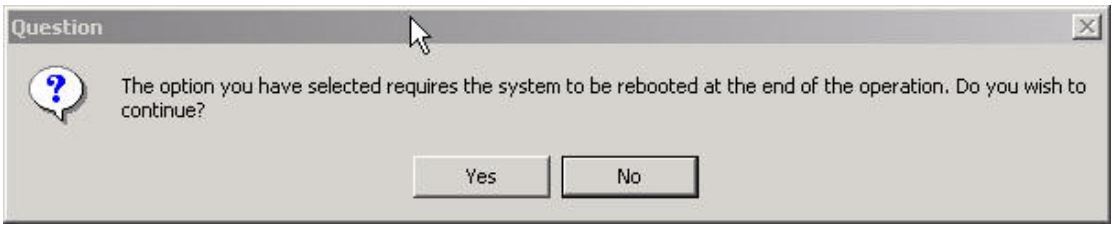
5. Please click I accept the terms of the license agreement. Then click **Next**



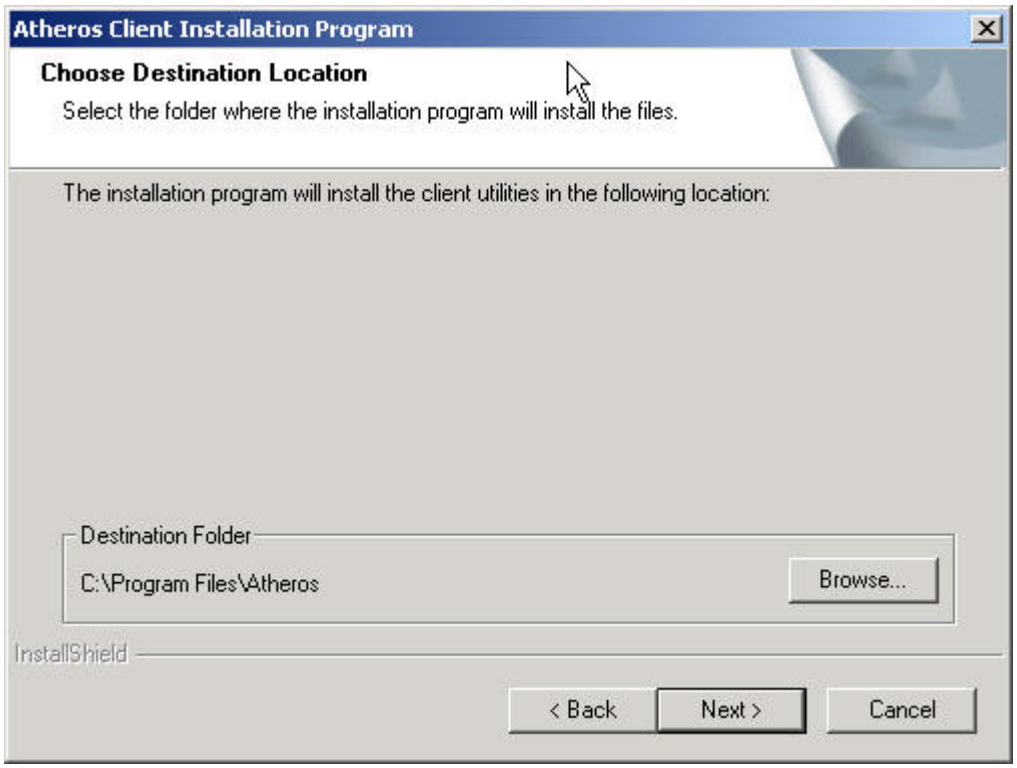
6. Recommended you to click **Install Client Utilities and Driver** and then click **Next**




7. Please click **Yes** to continue.

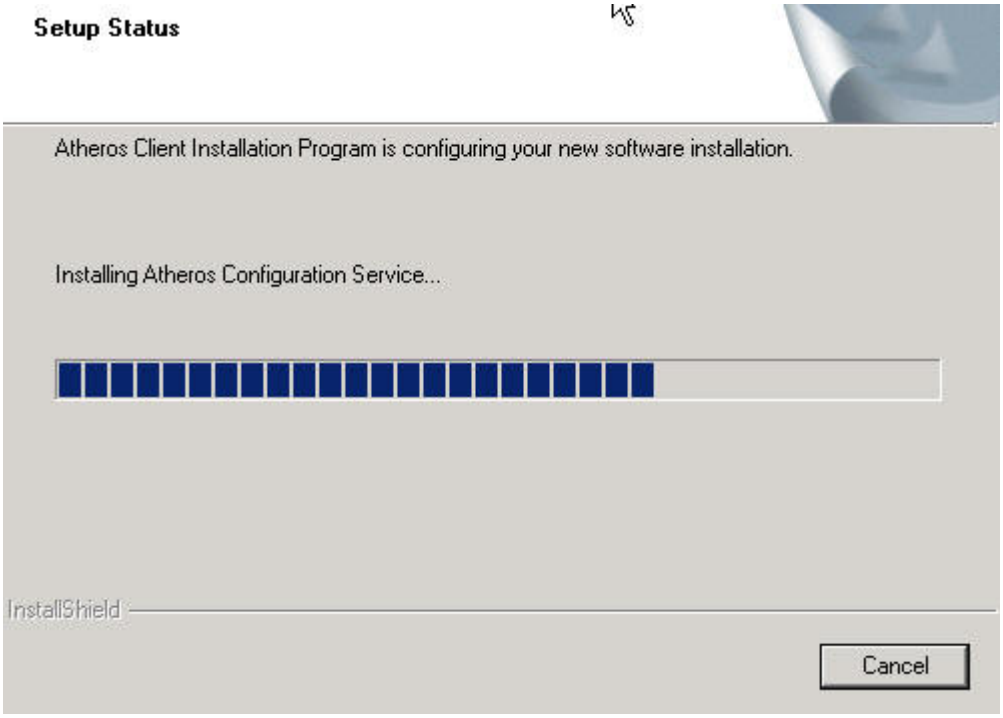


8. Please click **Browse** to find the Atheros driver destination location. And then click **Next**

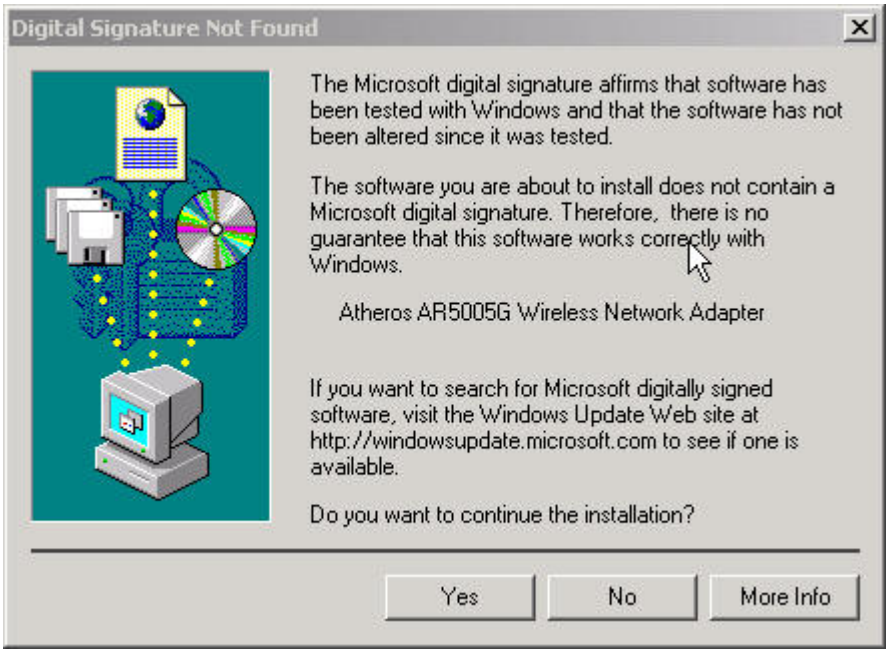



9. Please click **OK** to continue

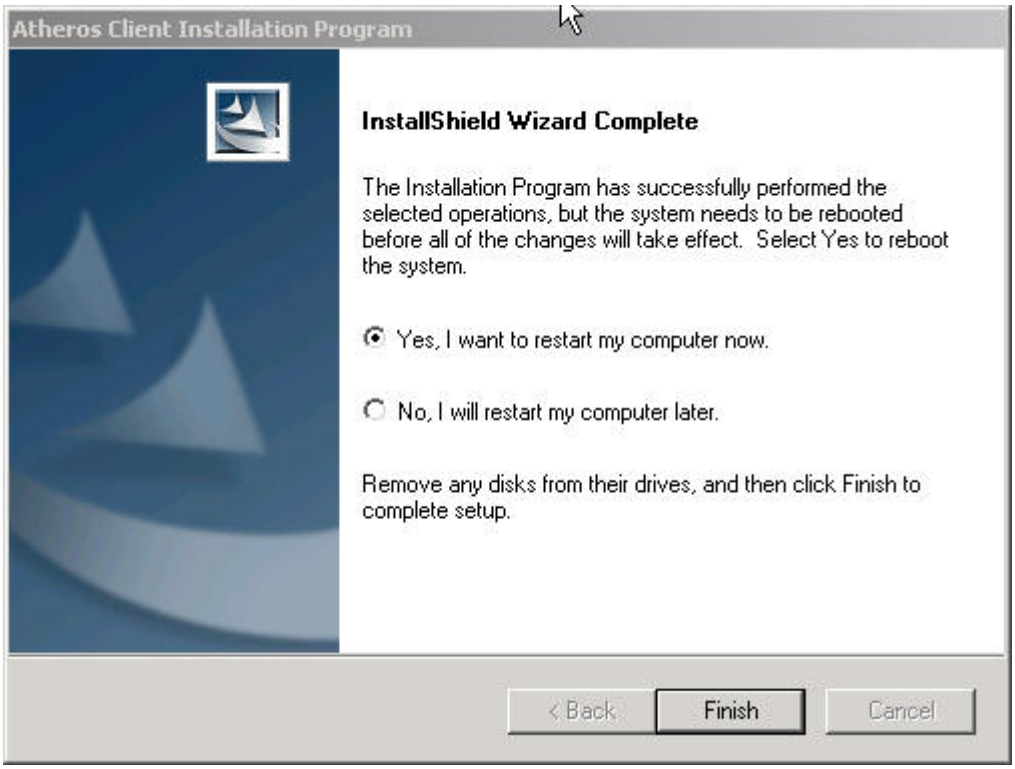
10. Wait, while Setup is performing the request operations.



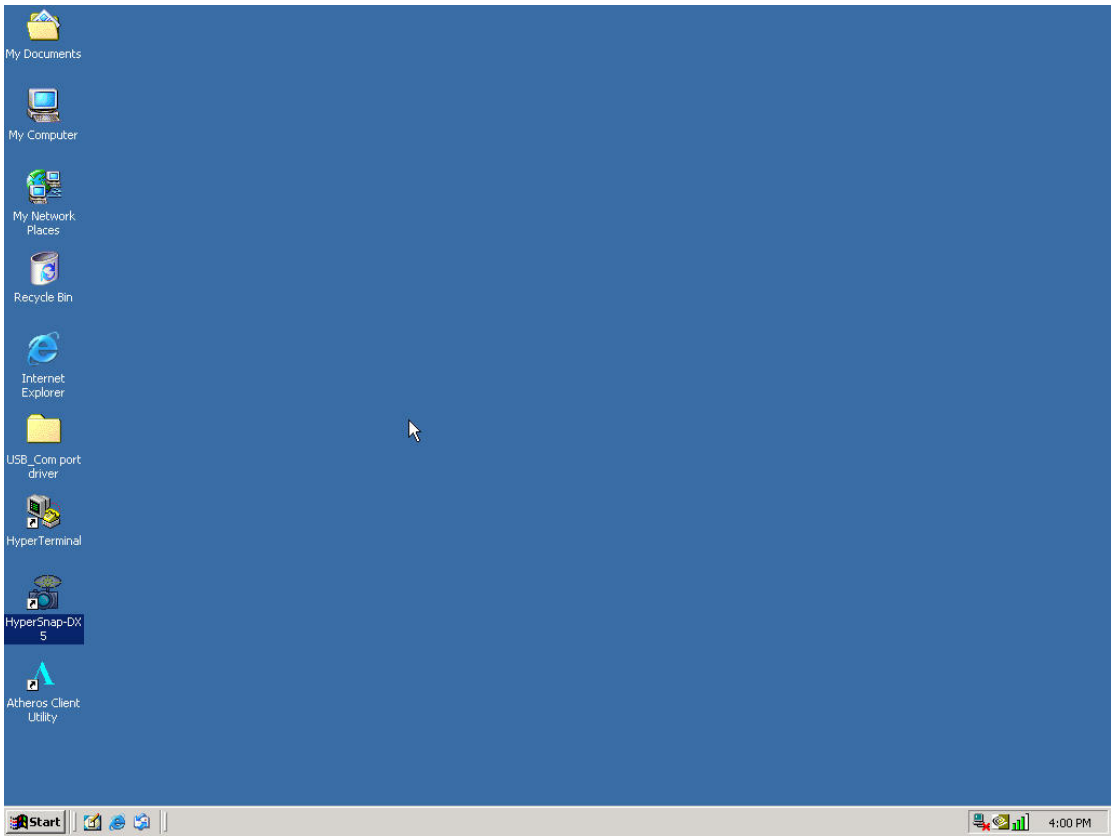

11. " *Digital Signature Not Found*" will appear, please click **Yes** to continue



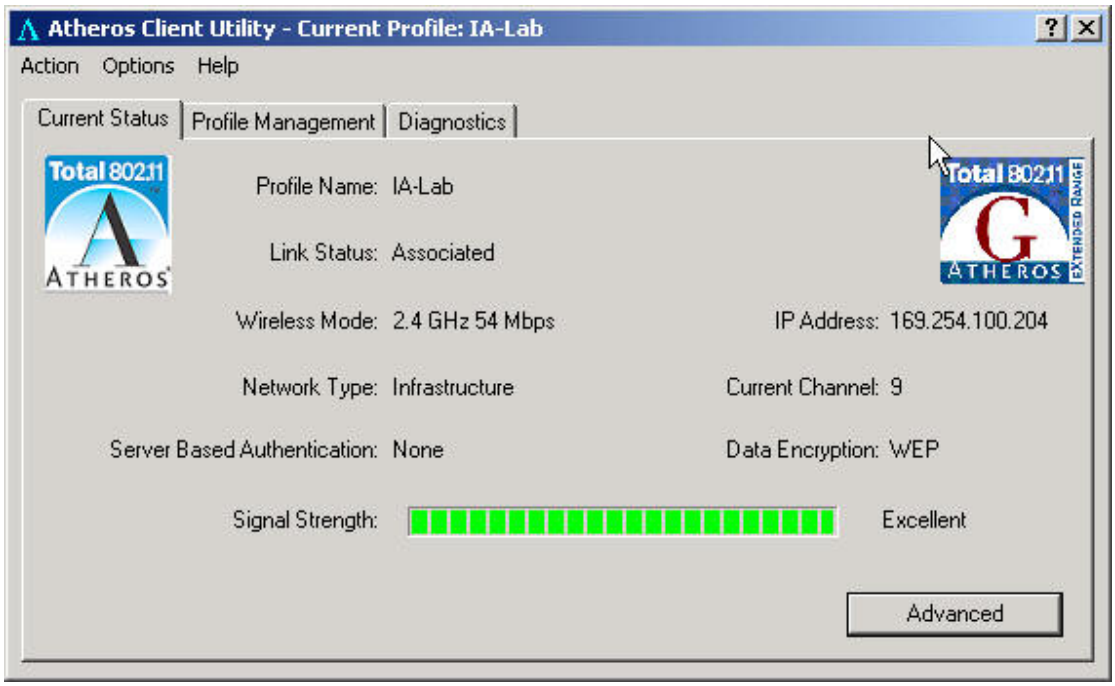
12. Recommend you to choose **Yes, I want to restart my computer now**
Please click **Finish** to complete the installation



13. If you install the driver successfully. The *Atheros* Icon will be showed up.




14. You could double click the Atheros Icon to check the Signal Strength.



## 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.

## Statement

Actiontec declares that US model of 802MAG, ( FCC ID: LNQ802MAG ) is limited in CH1~CH11 for 2.4 G band by specific firmware controlled by the manufacturer and is not user changeable.

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IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

**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,
3) For all products market in US, OEM has to limit the operation channels in CH1 to CH11 for 2.4G band by supplied firmware programming tool. OEM shall not supply any tool or info to the end-user regarding to Regulatory Domain change.

As long as 3 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, Broadband Home Router, 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. The final end product must be labeled in a visible area with the following: “Contains FCC ID: LNQ802MAG”.

## Manual Information To the End User

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 user’s manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.