



## Quick Installation Guide

### Wireless 150 Router

Model # AR570W



Ver. 1A

## Introduction

Congratulations on your purchase of AR570W Wireless 150 Router. This product is ideal for home or SOHO users who need greater bandwidth and higher speed for various networking applications, such as VoIP phone, online gaming or online video/audio streaming. Based on Wireless N technology, the data throughput is up to 4 times faster than Wireless G. It is recommended to use with AirLink101® Wireless N or Wireless 150 adapters to reach the best performance. Best of all, Wireless 150 Router works with IEEE 802.11 b/g/n network devices, which ensures compatibility with your existing network products.

Before you begin the installation, please check the items of your package:

### Package Contents:

- Wireless 150 Router
- Power Adapter
- Ethernet Cable (Cat.5)
- Manual CD
- Quick Installation Guide

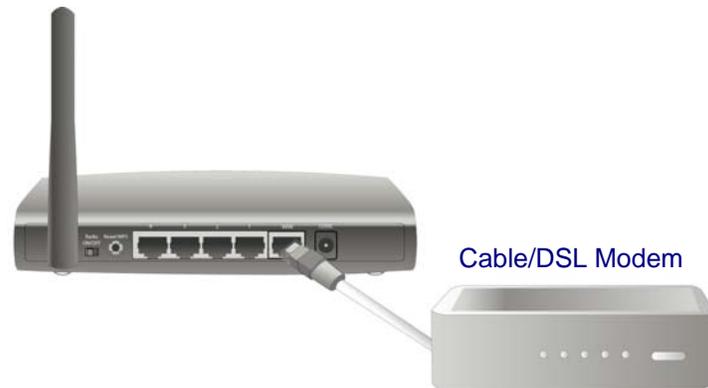
## Section 1

*This Quick Installation Guide only provides basic instructions. For detailed information on using this product, please refer to the User's Manual on the supplied CD.*

### Connecting the Router

**Note:** Prior to connecting the router, be sure to power off your computer, DSL/Cable modem, and the router.

**Step 1** Connect one end of a network cable to the **WAN** port of the router and connect the other end of the cable to the DSL/Cable modem. Power on the modem.



**Step 2** With another network cable, connect one end of the cable to your computer's Ethernet port and the other end to one of the **LAN** ports on the router. (After setup finishes, you can remove the network cable between the computer and router if you want to use wireless connection.)



**Step 3** Plug the power adapter to the router and connect it to an outlet or power strip.

**Step 4** Power on your computer.

**Step 5** Make sure **POWER**, **WAN**, **WLAN**, and the **LAN** port that the computer is connected to are lit. If not, try the above steps again.

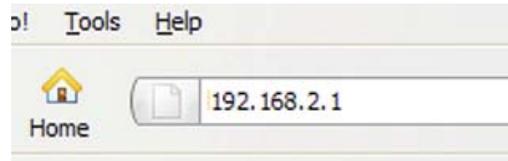
**LED Indicators:**

LED	Light Status	Description
POWER	On	Router is powered on.
WLAN	On	WPS setup is in progress.
	Off	Wireless network is switched off.
	Flashing	Wireless network is ready and WPS setup is not in progress.
WAN LNK/ACT	On	WAN port is connected.
	Off	WAN port is not connected.
	Flashing	WAN port is transferring or receiving data.
LAN 1-4 LNK/ACT	On	LAN port is connected.
	Off	LAN port is not connected.
	Flashing	LAN port is transferring or receiving data.

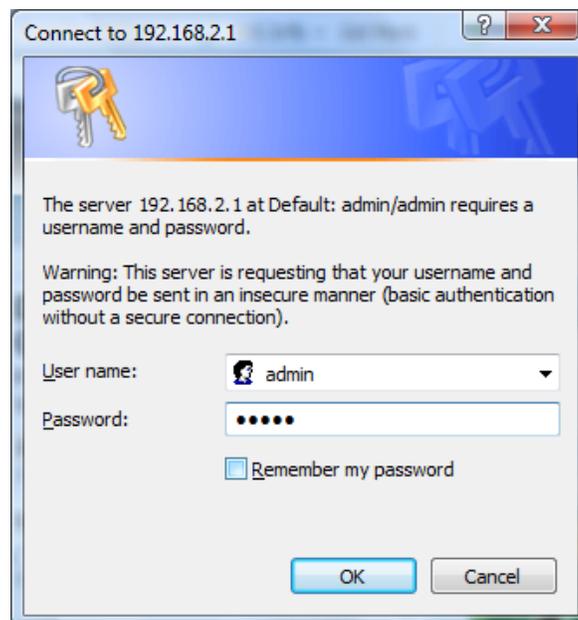
## Section 2

### Configuring the Router

**Step 1** Open the web browser (Internet Explorer or Mozilla Firefox) from the computer that is wired to the Router, type **192.168.2.1** in the Address bar and press **Enter**.



**Step 2** Enter **admin** for both the username and password fields and click **OK**.



**Step 3** Click **Setup Wizard** on the left menu.

The screenshot shows the AirLink 101 router web interface. The top navigation bar includes the AirLink 101 logo and a 'Log Out' button. The main header identifies the device as a 'Wireless 150 Broadband Router'. On the left, a vertical menu lists various configuration options, with 'Setup Wizard' highlighted in a red box. The main content area is titled 'Internet Connection' and provides a view of the current internet connection status. Below this, a table displays the WAN Status:

WAN Status	
WAN Protocol :	Dynamic IP connect
IP Address :	192.168.1.97
Subnet Mask :	255.255.255.0
Default Gateway :	192.168.1.1
MAC Address :	00:1F:1F:83:49
Primary DNS :	192.168.1.1
Secondary DNS :	206.13.28.12

**Step 4** Configure the Time Zone Settings of the Router. You can click on **Copy Time from PC**. Enable Daylight Saving if it is applicable in your country. Click **NEXT**.

The screenshot shows the 'Time' configuration page in the AirLink 101 router web interface. The left menu is expanded to show the 'Time Zone' configuration steps, with '1. Time Zone' selected. The main content area is titled 'Time' and includes instructions to set the time zone. The 'Current Time' is displayed as Year: 2009, Month: 10, Day: 1, Hour: 11, Minute: 35, and Second: 23. A 'Copy Time from PC' button is highlighted in a red box. Below this, the 'Enable NTP Update' checkbox is checked. The 'Time Zone' is set to '(GMT-08:00)Pacific Time (US & Canada); Tijuana'. The 'Time Server Address' is 192.43.244.18. The 'Daylight Savings' section has the 'Enable' checkbox checked, and the 'Time From' and 'To' fields are both set to January 1. At the bottom, 'CANCEL' and 'NEXT' buttons are visible, with 'NEXT' highlighted in a red box.

**Step 5** Select WAN type by which Internet service you are using. This guide will provide instructions on these WAN types: Cable and DSL.

*For other WAN types such as PPTP, L2TP, please find the instructions in the User's Manual included in the provided CD.*

## Cable

Click on Dynamic IP if you are connecting to Internet through a cable modem.

When the Dynamic IP settings appear below, click **Clone MAC** and click **NEXT**.

The screenshot shows the configuration interface for the AirLink 101 Wireless 150 Broadband Router. The left sidebar contains a navigation menu with the following items: 1. Time Zone, 2. WAN Type, 3. IP Address Info, 4. Wireless Settings, and 5. Security Settings. The main content area is titled 'WAN' and contains the following text: 'The Wireless Router can connect to your Internet Service Provider with the following methods.' Below this text are five radio button options: 'Dynamic IP' (selected), 'Static IP', 'PPPoE', 'PPTP', and 'Telstra Big Pond'. Each option has a brief description. Below the options is a table with the following fields: 'Host Name' (AR570W), 'MAC Address' (00:00:00:00:00:00) with a 'Clone MAC' button, 'DNS address' (radio buttons for 'Obtain an IP address automatically' and 'Use the following IP address'), 'DNS1 address' (0.0.0.0), and 'DNS2 address' (0.0.0.0). At the bottom right, there are 'BACK' and 'NEXT' buttons.

Log Out

Wireless 150 Broadband Router

AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

### WAN

The Wireless Router can connect to your Internet Service Provider with the following methods.

- Dynamic IP** Obtains an IP Address automatically from your Service Provider.
- Static IP** Uses a Static IP Address. Your Service Provider gives a Static IP Address to access Internet services.
- PPPoE** PPP over Ethernet is a common connection method used in xDSL connections.
- PPTP** Point-to-Point Tunneling Protocol is a common connection method used in xDSL connections.
- L2TP** Layer Two Tunneling Protocol is a common connection method used in xDSL connections.
- Telstra Big Pond** Telstra Big Pond is a Internet service is provided in Australia.

Host Name :	AR570W
MAC Address :	00:00:00:00:00:00 <input type="button" value="Clone MAC"/>
DNS address :	<input checked="" type="radio"/> Obtain an IP address automatically <input type="radio"/> Use the following IP address
DNS1 address :	0.0.0.0
DNS2 address :	0.0.0.0

## DSL

For DSL users, your Internet type is either **Dynamic IP** or **PPPoE**. If you are not sure which one you have, it is suggested to select **PPPoE** for your WAN type, and if you cannot connect to the Internet after the Setup Wizard finished, go through the Setup Wizard again and **select Dynamic IP**. Otherwise, you can call your ISP to confirm which Internet type you have.

### Option 1: PPPoE Settings

Click on **PPPoE** for your WAN type. Enter your user name and password provided by your ISP. Click **NEXT**.

**AIRLINK 101** Wireless 150 Broadband Router

AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

### WAN

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User Name :	<input type="text"/>
Password :	<input type="password"/>
DNS address :	<input type="radio"/> Obtain an IP address automatically <input type="radio"/> Use the following IP address
DNS1 address :	<input type="text" value="0.0.0.0"/>
DNS2 address :	<input type="text" value="0.0.0.0"/>
Service Name :	<input type="text"/>
MTU :	<input type="text" value="1392"/> (512<=MTU<=1492)
Connection Type :	<input type="text" value="Continuous"/> <input type="button" value="Connect"/> <input type="button" value="Disconnect"/>
Idle Time Out :	<input type="text" value="10"/> (1-1000 Minute)

**Note:** Depending on the ISP, you may need to include the domain name with your username.

Example: username@sbcglobal.net

### Option 2: Dynamic IP Settings

Click on **Dynamic IP** for your WAN type. When the Dynamic IP settings appear below, click **Clone MAC** and click **NEXT**.

## AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
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- 5. Security Settings

**WAN**

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Host Name :	AR570W
MAC Address :	00:00:00:00:00:00 <input checked="" type="checkbox"/> Clone MAC
DNS address :	<input checked="" type="radio"/> Obtain an IP address automatically <input type="radio"/> Use the following IP address
DNS1 address :	0.0.0.0
DNS2 address :	0.0.0.0

[BACK](#)
[NEXT](#)

**Step 6** Keep the default LAN IP and DHCP server settings or modify as needed. Click **NEXT**.

## AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

**LAN**

You can enable the Wireless Router's DHCP server to dynamically allocate IP Addresses to your LAN client PCs. The Wireless Router must have an IP Address in the Local Area Network.

**• LAN IP**

IP Address :	192.168.2.1
Subnet Mask :	255.255.255.0
802.1d Spanning Tree :	Disable
DHCP Server :	Enable

**• DHCP Server**

Lease Time :	Forever
DHCP Client Start IP :	192.168.2.100
DHCP Client End IP :	192.168.2.200
Domain Name :	

[BACK](#)
[NEXT](#)

**Step 7** Keep the default SSID (wireless network name) or change it to a desired name, so you can always recognize your wireless network with it. Click **NEXT**.

AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

Wireless 150 Broadband Router

### Basic Settings

This page allows you to configure the Band, SSID (Wireless Network Name), and Channel settings of your wireless connection.

Band : 2.4 GHz (B+G+N)

SSID : airlink101

Channel Number : 11

Associated Clients : Show Active Clients

BACK NEXT

**Step 8** Set up Wireless Security for your router.

AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

Wireless 150 Broadband Router

### Encryption

This page allows you to set up the wireless security. Configuring encryption for your wireless router can prevent any unauthorized access to your wireless network.

Encryption : Disable

Enable 802.1x Authentication

BACK OK

WPA2(Mixed) is the most secured encryption mode for general users. WEP is the most common encryption but the least secured. It is recommended to use WPA2(Mixed) for your wireless security if all wireless devices on your network support WPA-PSK or WPA2-PSK.

### WPA2(Mixed)

Select **WPA pre-shared key** for Encryption.

## AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
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- 5. Security Settings

### Encryption

This page allows you to set up the wireless security. Configuring encryption for your wireless router can prevent any unauthorized access to your wireless network.

Encryption :	WPA pre-shared key
WPA Unicast Cipher Suite :	<input type="radio"/> WPA(TKIP) <input type="radio"/> WPA2(AES) <input checked="" type="radio"/> WPA2 Mixed
Pre-shared Key Format :	Passphrase
Pre-shared Key :	*****

Enable 802.1x Authentication

WPA Unicast Cipher Suite: Select WPA2(Mixed)

Pre-Shared Key Format: Select Passphrase

Pre-shared Key: Enter a key between 8 to 63 characters (alphanumeric, case sensitive). This is the security key for your wireless network

Click **OK** to save the settings.

Please refer to the User's Manual in the provided CD for other security mode settings.

**Note: It is suggested to write down the security settings (Encryption and Key) you configured for the Router on a piece of paper and keep it for you to add more wireless device to your network in the future.**

**Step 9** Click **Apply** to restart the router.

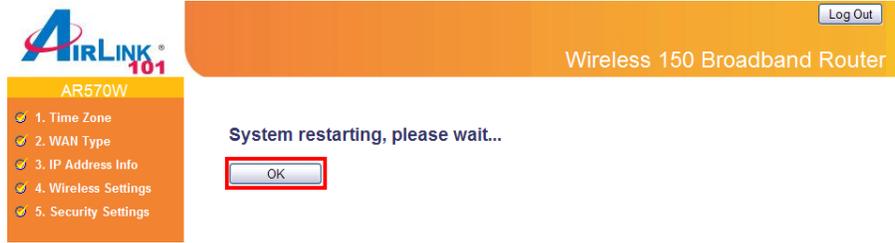
## AR570W

- 1. Time Zone
- 2. WAN Type
- 3. IP Address Info
- 4. Wireless Settings
- 5. Security Settings

### Save settings successfully!

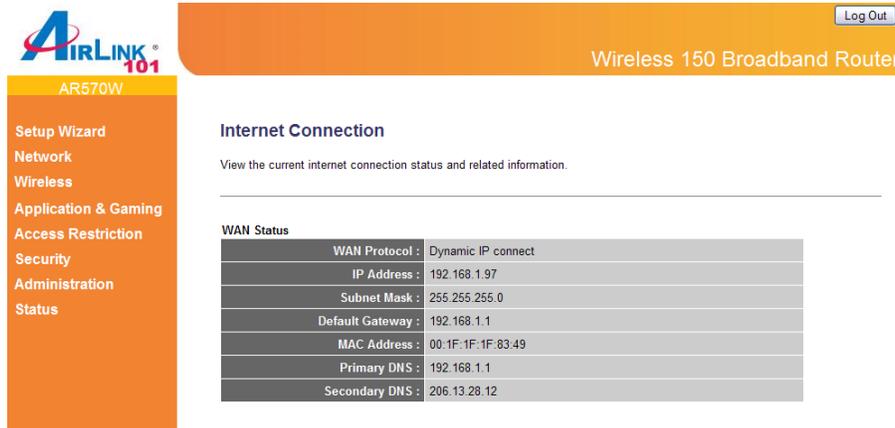
Please press APPLY button to restart the system to make the changes take effect.

**Step 10** Click **OK**, you will go back to the Status page with valid IP address assigned by you ISP (or configured by yourself if you use Static IP) in WAN Status section.



The screenshot shows the AIRLINK 101 router configuration interface. The top right corner displays "Wireless 150 Broadband Router" and a "Log Out" button. The left sidebar shows the "AR570W" menu with options: 1. Time Zone, 2. WAN Type, 3. IP Address Info, 4. Wireless Settings, and 5. Security Settings. The main content area displays "System restarting, please wait..." with an "OK" button highlighted by a red rectangle.

If each field has valid numbers or IP address being assigned, the router is connected to the Internet.



The screenshot shows the AIRLINK 101 router configuration interface. The top right corner displays "Wireless 150 Broadband Router" and a "Log Out" button. The left sidebar shows the "AR570W" menu with options: Setup Wizard, Network, Wireless, Application & Gaming, Access Restriction, Security, Administration, and Status. The main content area displays "Internet Connection" with the subtitle "View the current internet connection status and related information." Below this is a table titled "WAN Status" showing the following information:

WAN Status	
WAN Protocol :	Dynamic IP connect
IP Address :	192.168.1.97
Subnet Mask :	255.255.255.0
Default Gateway :	192.168.1.1
MAC Address :	00:1F:1F:1F:83:49
Primary DNS :	192.168.1.1
Secondary DNS :	206.13.28.12

**Congratulations! Your router configuration has been finished. You should now be able to access the Internet; if not, please go to Section 5 for troubleshooting**

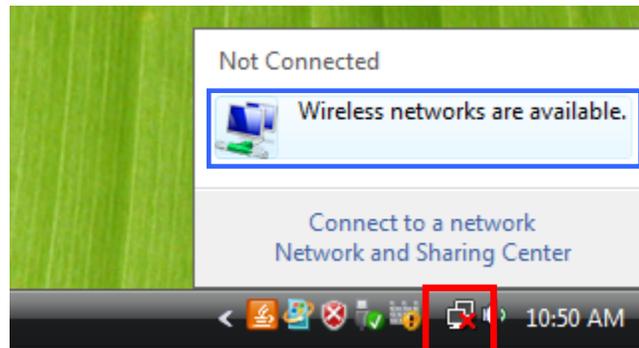
## Section 3

### Connecting to the Router Wirelessly

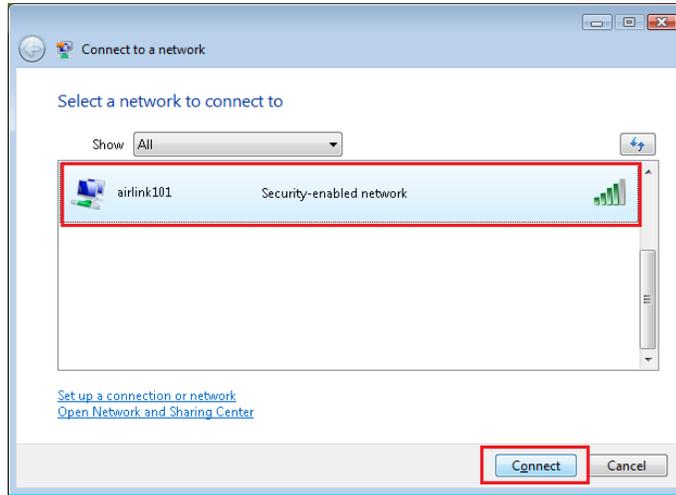
If you can connect to Internet from your computer that is wired to the Router, you can now set up wireless connection between computer(s) and the Router. If you wish to use wireless on a certain computer, you can now remove the network cable connecting your computer to the router.

You must configure your wireless computer in order to establish a wireless connection to the router. In this section, you can find the instructions of how to connect to the router wirelessly with your **Vista** computer. You can also refer to the manual of your wireless network card regarding how to connect to a router wirelessly.

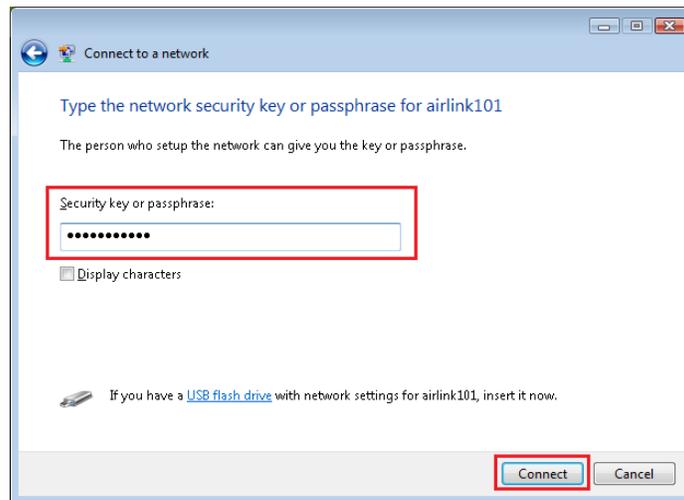
**Step 1** Click on this icon  on the task bar of your desktop, then click on **Wireless networks are available**.



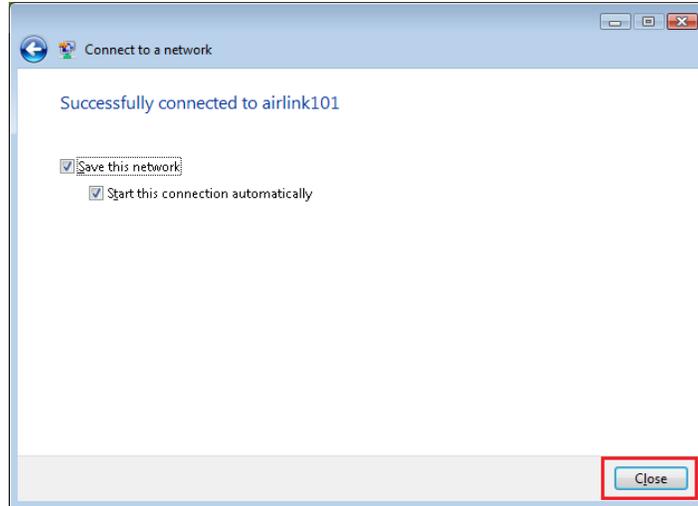
**Step 2** Click on the wireless network you want to connect to and click **Connect**.



**Step 3** Enter the Security key you configured for the Router (see Step 8 in Section 2). Click **Connect**.



**Step 4** Click on **Close**. Now the wireless connection has been established successfully with the Router.



You should now be able to connect to the Internet wirelessly.

## Section 4 (Optional)

### Connecting to the Router with Easy Setup Button

The AR570W Airlink101 Wireless 150 Router has an Easy Setup Button built-in which allows you to connect your wireless computer with the router easily and safely. Your wireless adapter must support this feature (WiFi Protected Setup™) as well. If not, you will need to set up the wireless security manually and you can skip this section.

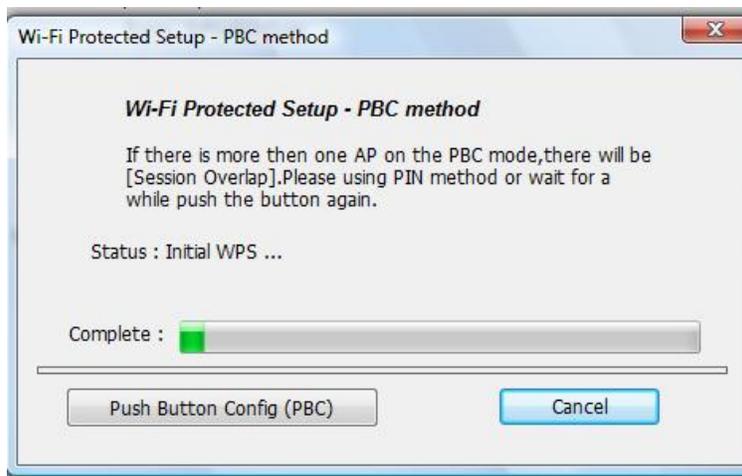
In the instructions below, we are going to use the Airlink101 WLAN Monitor utility comes with the AWLL6077, Airlink101 Wireless N adapter as an example.

**Step 1** Go to the computer with Airlink101 Wireless N adapter, AWLL6077 connected.

**Step 2** Push and hold the Easy Setup Button on the Adapter until you see the following window pops up on the computer monitor.



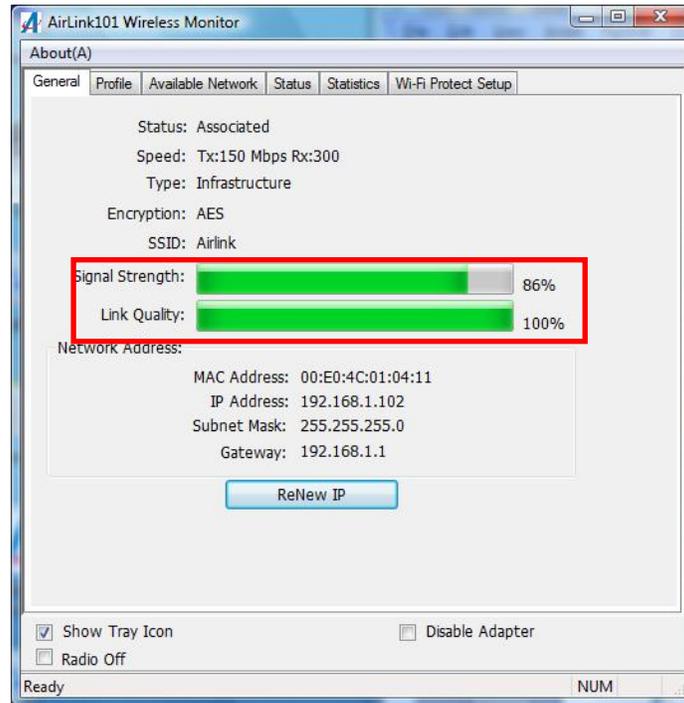
**You will see this window pops up on the monitor:**



**Step 3** Within the following 2 minutes, push the Easy Setup Button on the Router. The WLAN LED on the Router will stay solid green instead of blinking.



**Step 4** The Router will now start to synchronize the security settings with the wireless adapter. When you see a similar window as below, the connection has been established.



## Section 5

### Troubleshooting

If you have trouble connecting to the Internet, try the following steps:

**Step 1** Power off the Cable/DSL modem, router, and computer and wait for **5 minutes**.

**Step 2** Turn on the Cable/DSL modem and wait for the lights on the modem to settle down.

**Step 3** Turn on the router and wait for the lights on the router to settle down.

**Step 4** Turn on the computer.

**Step 5** Log in to the router and you will see the Internet Connection Status.

**Step 6** Verify that the **Internet IP Address**, **Subnet Mask**, and **Default Gateway** have valid numbers assigned to them (instead of all 0's).

## Section 6

### Technical Support

E-mail: [support@airlink101.com](mailto:support@airlink101.com)

Toll Free: 1-888-746-3238

Website: [www.airlink101.com](http://www.airlink101.com)

\*Theoretical maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, mix of wireless products used, radio frequency interference (e.g., cordless telephones and microwaves) as well as network overhead lower actual data throughput rate. This product is based on IEEE draft 802.11n technology and is not guaranteed to be compatible with future versions of IEEE 802.11n specification. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed. Specifications are subject to change without notice. Photo of product may not reflect actual content. All products and trademarks are the property of their respective owners. Copyright© 2009 Airlink101®