

# Quick Installation Guide

This *Quick Installation Guide* only provides you with some basic instructions. For more detailed information, please refer to the User Manual on the supplied CD.

Model # RT210W



### Package Content:

- 802.11g Wireless Router
- Power Adapter
- Category 5 UTP cable
- Utility CD
- Quick Installation Guide

## 1

### Connecting the Wireless Broadband Router

Prior to connecting the hardware, make sure to power off your ethernet device, Cable/ADSL modem and Wireless Broadband Router. Then follow the steps below to connect the related devices.

#### Step 1 Connecting Your computer to the LAN port.

Attach one end of the Ethernet cable with RJ-45 connector to your hub, switch or a computer's Ethernet port, and the other end to one of the **LAN** ports of your Wireless Broadband Router.

#### Step 2 Connecting Cable/ADSL Modem to the WAN port.

Connect the Ethernet cable attaching to your Cable/ADSL modem to the **WAN** port of your Wireless Broadband Router.

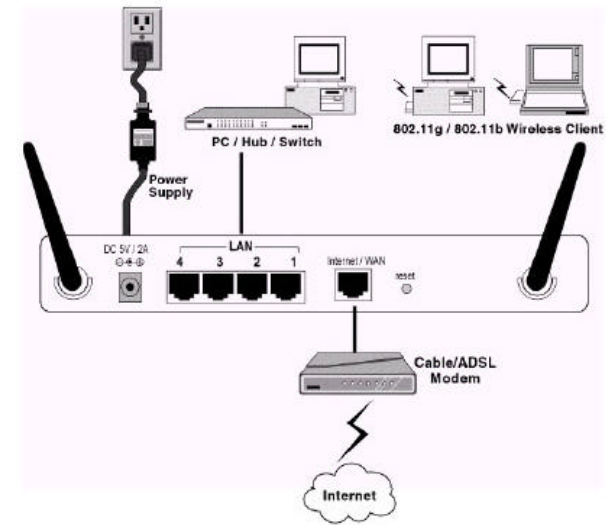
#### Step 3 Connecting the power adapter.

Connect the single DC output connector of the power adapter to the power jack on the side of the Wireless Broadband Router. Then connect the supplied power cord to the power adapter and the other end to an AC outlet.

#### Step 4 Power on the following devices in this order:

Cable/ADSL modem, Router, and PCs

The figure below illustrates a connection example:



## 2

### Setting Up Ethernet/WLAN Client

You can manage the Wireless Broadband Router through the Web browser-based configuration utility. To configure the device via Web browser, at least one properly configured computer must be connected to the device via Ethernet or wireless network. The Wireless Broadband Router is configured with the **default IP address of 192.168.1.1** and **subnet mask of 255.255.255.0**, and its **DHCP server is enabled** by default. Before setting up the Router, make sure your PCs are configured to obtain an IP (or TCP/IP) address automatically from the Router by the steps below.

#### Step 1

Click the **Start** button. Select **Settings** and/or click the **Control Panel** icon.

For Windows 98 and ME, double-click the **Network** icon.

For Windows 2000, double-click the **Network and Dial-up Connections** icon. Double-click the **Local Area Connection x**.

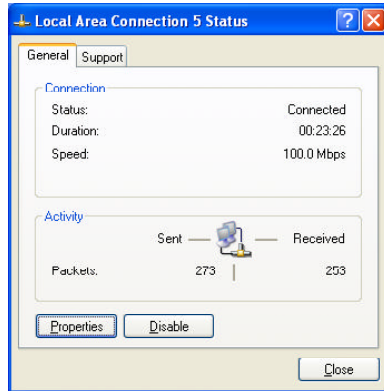
For Windows XP, click the **Network and Internet Connections** icon. Click the **Network Connections**. Double click the **Local Area Connection x** under **LAN or High-Speed Internet**.

Note: snap shots are for Windows 2000 and XP

## Step 2

For Windows 98 and ME, Select **"TCP/IP -> Your Ethernet Adapter"**, Click the **Properties** button. Go to step 4

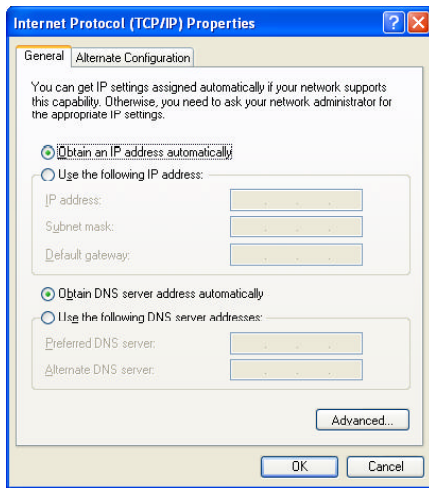
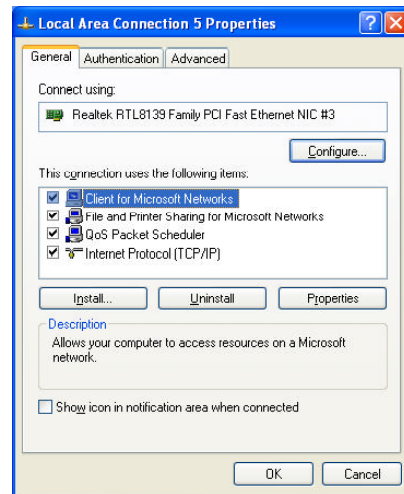
For Windows 2000 and XP, click the **Properties** button in the **Local Area Connection Status** window.



If you choose to manage the router via a wireless client, please also check the following:

1. Make sure your PC is equipped with 802.11g or 802.11b wireless adapter and has appropriate WLAN card driver / utility and TCP/IP installed.
2. Set the wireless adapter to use appropriate TCP/IP settings as described in previous section
3. Launch the wireless adapter's provided utility and verify that your wireless client is configured with these settings:
  - **Operation Mode:** Infrastructure
  - **SSID:** 11g AP
  - **Authentication:** Open
  - **WEP Mode:** Disabled

**Step 3** For Windows 2000 and XP only, Make sure the **Internet Protocol (TCP/IP)** is checked and highlighted in the **Local Area Connection Properties** window. Click the **Properties** button.



## 3 Checking the Connection to the Router

After configuring the TCP/IP protocol, you can use the **ping** command to verify if your LAN/Wireless computer has successfully connected to the router.

To execute ping command, open the DOS window by clicking on **Start -> Run**. In the Run window, type **Command**. At the DOS prompt, type the following command:

```
ping 192.168.1.1
```

If the Command window returns something similar to the following:

```
Reply from 192.168.1.1 bytes=32 time=100ms TTL=253
```

Then the connection between the router and your computer has been successfully established. If the computer fails to connect to the router, the Command window will return the following:

```
Request time out
```

Verify your computer's network settings are correct and check the cable connection between the router and the computer.

**Step 5** Click the **OK** button and restart the computer.



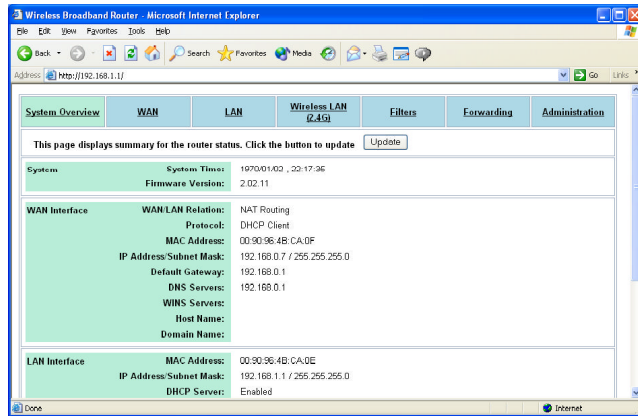
## 4 Accessing the Web-Based Configuration Utility

**Step 1** Start your Web browser and type **http://192.168.1.1** in the URL field. This is your router's default private IP address.



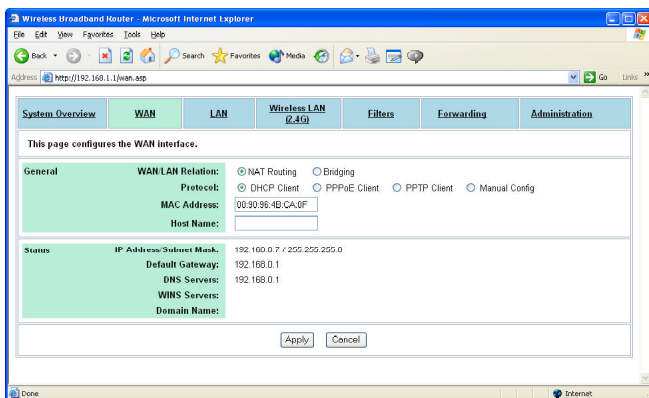
**Step 2** After connecting to the device, you will be prompted to enter the username and password. Leave the username empty and enter the default password as **admin**.

**Step 3** The Web-Based utility will appear with the System Overview table selected.



## 5 Quick Configuration for Wireless Router

Click the WAN page link to configure the WAN interface.



If you want to use the Router to share your Internet (DSL/Cable Modem) connection, keep the **WAN/LAN Relation** as **NAT Routing** selected.

There are four types of WAN connections (**protocols**) as listed in the following table. Your ISP will provide you with information and a description of your WAN connection. The ISP may require a specific setting. Select the correct protocol for your ISP from the table below. See the User Manual for more information.

WAN Type	Description
DHCP Client	If you are connecting through DHCP or a dynamic IP address from your ISP, keep this default setting.
PPPoE Client	If you are connecting through PPPoE, check <b>PPPoE</b> from the protocol listed. Complete the User name and Password fields.
Manual Config	If your ISP assigns you a static IP address, check <b>Manual Config</b> from protocol listed. Complete the IP address, Subnet mask, Default Gateway, and DNS server fields. You need to enter at least one DNS address.
PPTP Client	This is a service used in Europe only. If you are using a PPTP connection, check with your ISP for the necessary setup information.

After selecting the proper WAN connection setting, click **Apply** to register these settings with the Router. After the settings have been registered, the screen will return to the WAN page and the settings are effective.

Note that if you use the table above for quick configuration and keep other settings as the defaults, the following conditions apply:

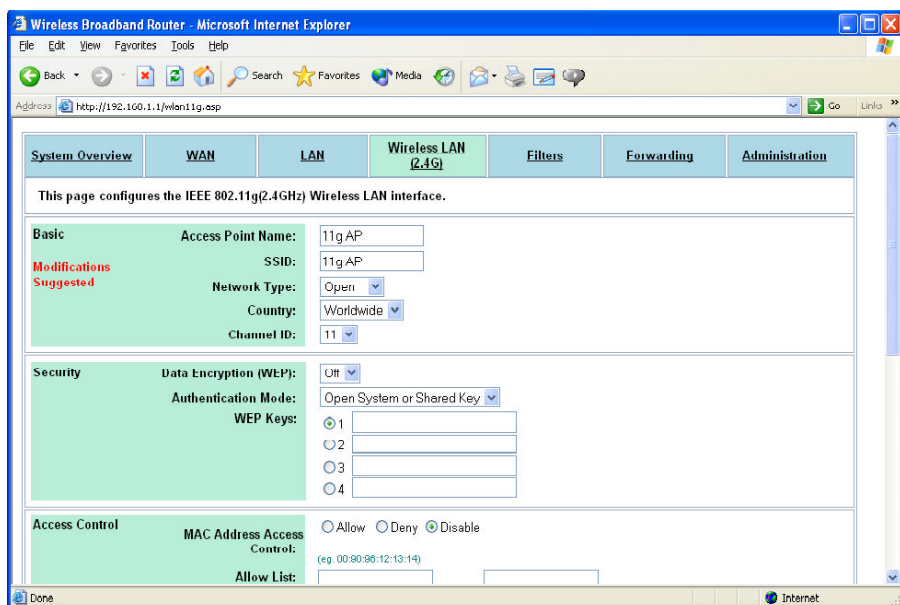
- The IP address of LAN port is **192.168.1.1** and the subnet mask is **255.255.255.0**.
- DHCP server is enabled; the DHCP address pool is **192.168.1.100~192.168.1.150**.
- The built-in NAT function will provide local computers with Internet access via the single public IP of the WAN port.
- The Filter Type is **Listed Block** and all the filters are **disabled**: No filter rule is specified to block any packet. All packets can pass through the WAN port.
- There is no forwarding entry and any external access to your LAN is blocked.
- With the default values, the router (Access Point) can be easily associated by a wireless client. For security concern, You should modify the basic Wireless LAN security settings.

## 6 Checking the Connection to the Internet

To check the connection to the Internet, you can open the Web browser and go to a website. You can also go to the **System Overview** page of the router's Web-based configuration utility. The WAN Interface group will display the current connection information.

**Congratulations! You've successfully configured your Router.**

You should customize the **SSID** and **Channel** settings as needed. For added security, you should enable WEP encryption and firewall following instructions from the manual included in the CD.



## 7 Quick Configuration for Bridge Mode

If you want to have the device to act as a bridge, follow the steps below.

\*Ignore this section if your device is to be configured as a router

**Part 1. Enable bridging function.**

Go to the WAN configuration page and select the **Bridging** option as the **WAN/LAN relation** and then click **Apply** to commit the changes.

**Part 2. LAN configuration.**

Go to the LAN configuration page and then:

1. In the **Protocol** item, select **DHCP Client** or **Manual Config** as required. If you select DHCP Client, skip to step 4.
2. If you select **Manual Config**, manually enter the IP address and its subnet mask in **IP Address & Subnet Mask** fields.
3. For **Manual Config** setting only, if you choose to enable DHCP server service, enter related settings.
4. Click **Apply** to apply the changes.

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**Note:** After applying these settings, your configuring computer may lose connection to the device. To reconnect, you will need to make sure the computer uses an IP address in the same subnet as the device.

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## 8 Technical Support

Email: [support@airlinkplus.com](mailto:support@airlinkplus.com)

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