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# **Broadband Router Quick Installation Guide**

# 1 Connecting the Broadband Router

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

- **Connect 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 Broadband Router.

- **Connect then Cable/ADSL Modem to the WAN port.**

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

- **Connect the power adapter.**

Connect the single DC output connector of the power adapter to the power jack on the side of the Broadband Router. Then plug the Power Adapter into an AC outlet.

- **Power on the following devices in this order:**

Cable/ADSL modem, Router, and PCs

The figure below illustrates a connection example:

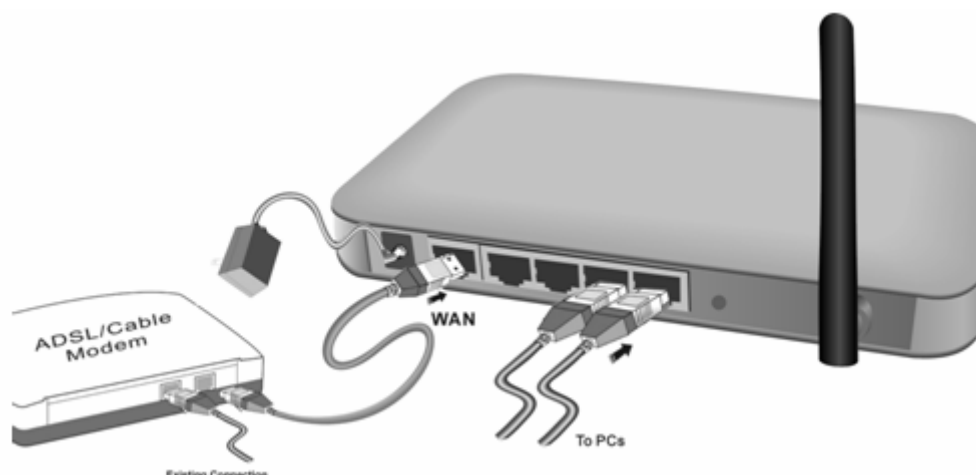


Figure 1-1

## 2 PC Setup

You can manage the 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. The 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.

## 2.1 Windows 2000

Please follow the steps below to setup your computer:

### 1. Go to Start → Settings → Control Panel

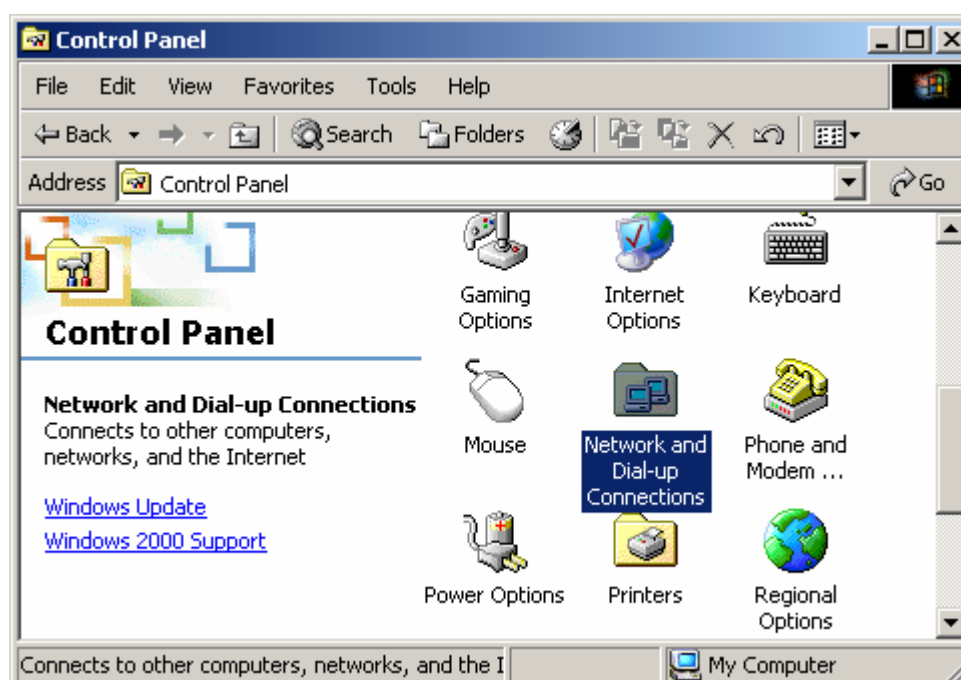


Figure 2-1

### 2. Double click the icon Network and Dial-up Connections

### 3. Highlight the icon Local Area Connection, right click your mouse, Click Properties

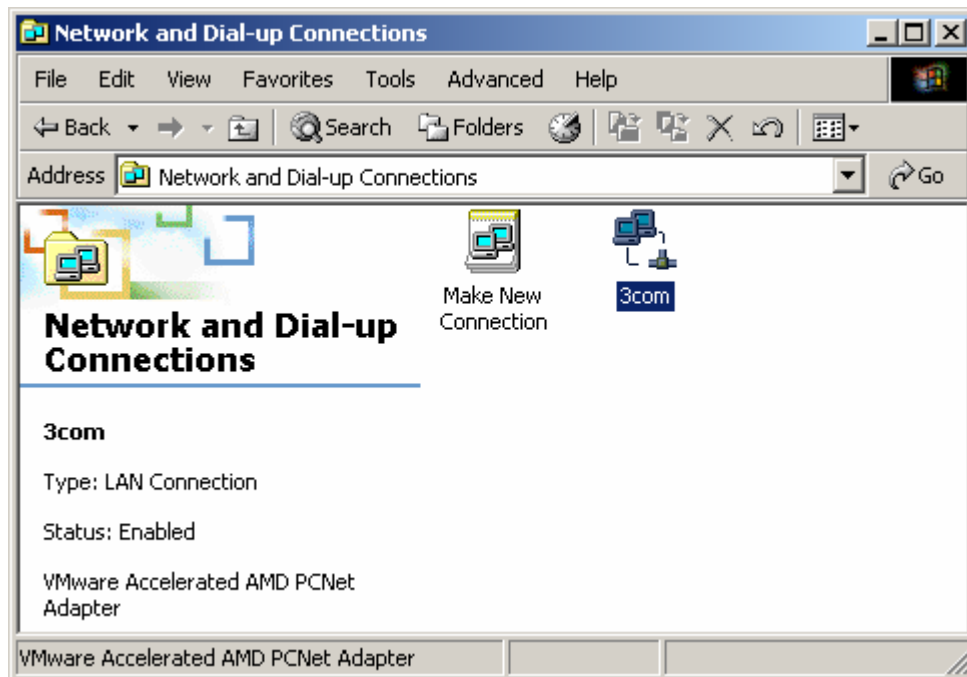


Figure 2-2

**4. Highlight Internet Protocol (TCP/IP), then press Properties button**

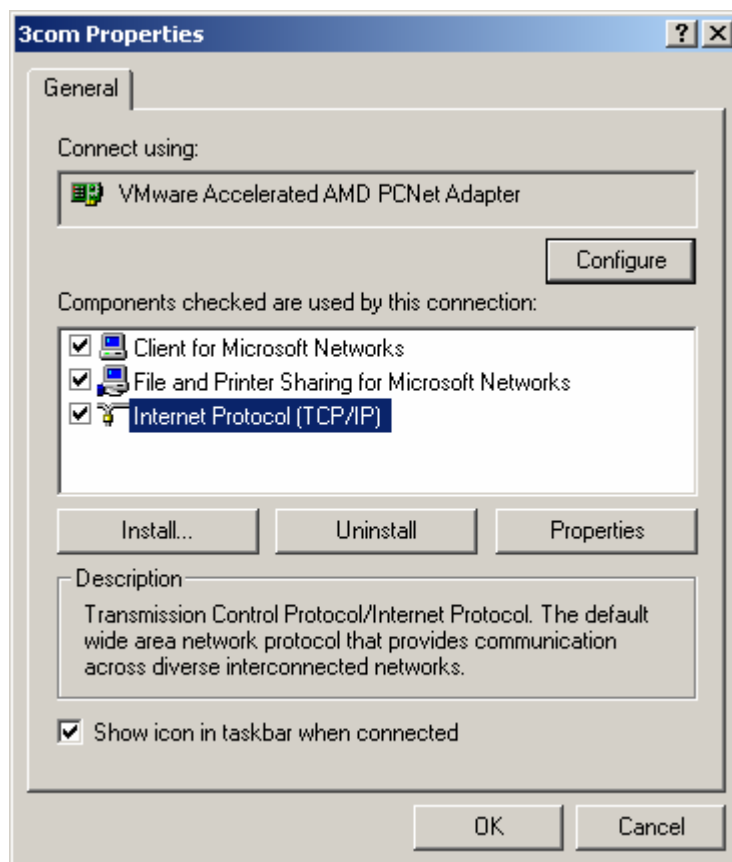


Figure 2-3

**5. Choose Obtain an IP address automatically and Obtain DNS server address automatically, then press OK to close the Internet**

## Protocol (TCP/IP) Properties window

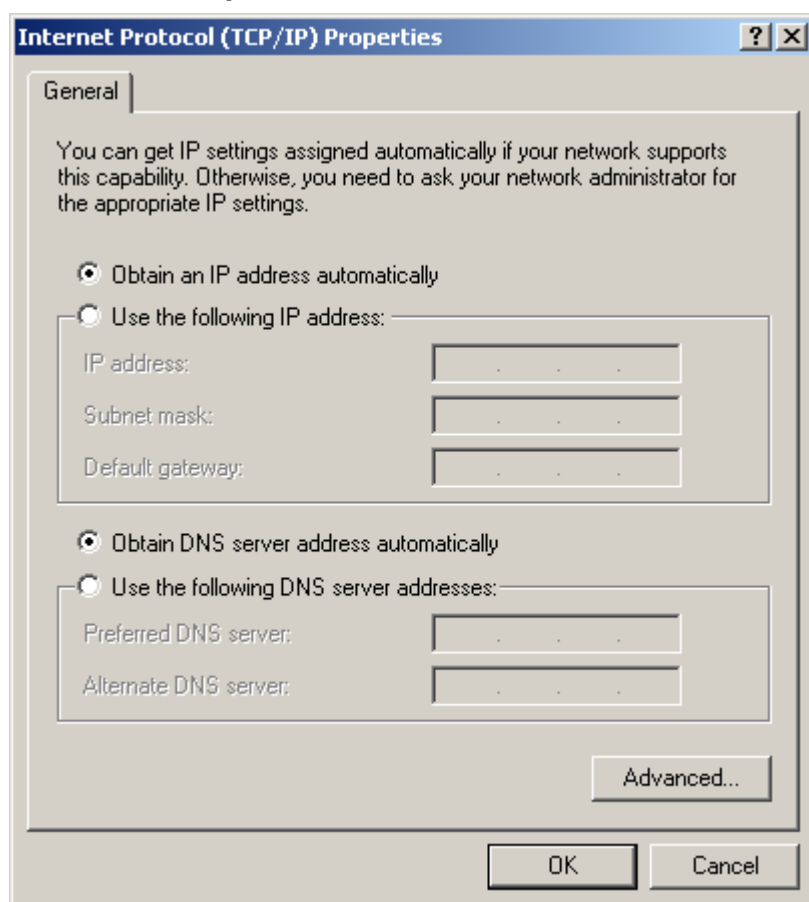


Figure 2-4

### 6. Press OK to close the Local Area Connection Properties window

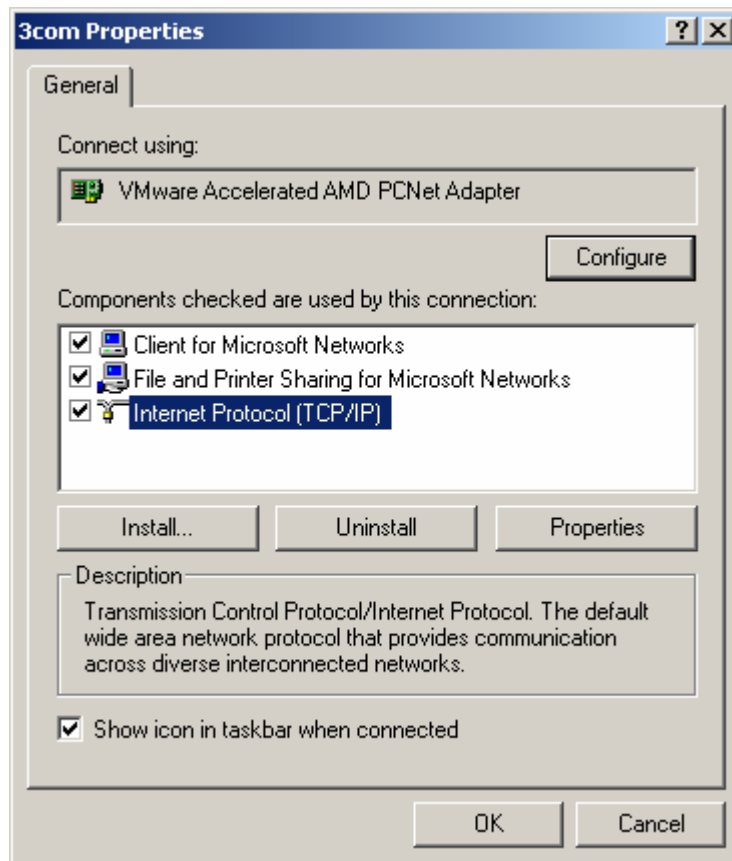


Figure 2-5

## 2.2 Windows XP/2003

Please follow the steps below to setup your computer:

1. Go to Start → Settings → Control Panel
2. Click Network and Internet Connections

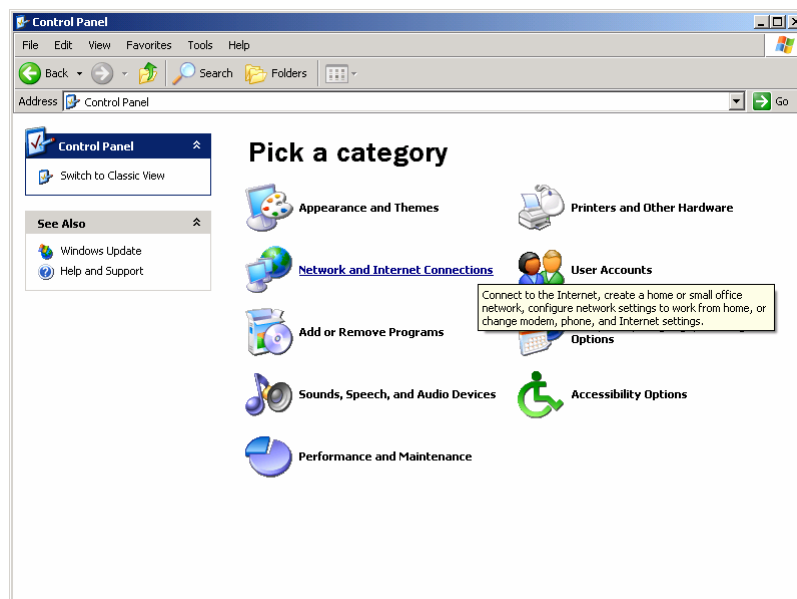


Figure 2-6

### 3. Click Network Connections

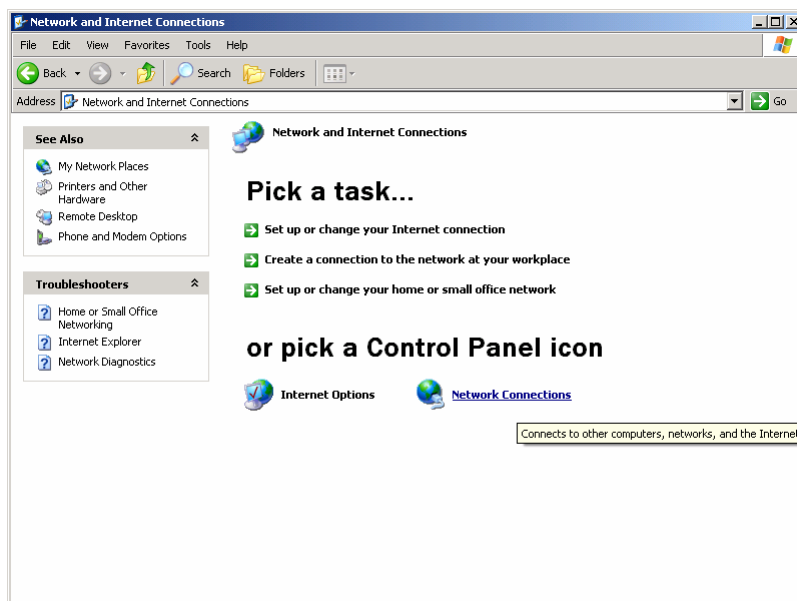


Figure 2-7

### 4. Highlight the icon Local Area Connection, right click your mouse, Click Properties

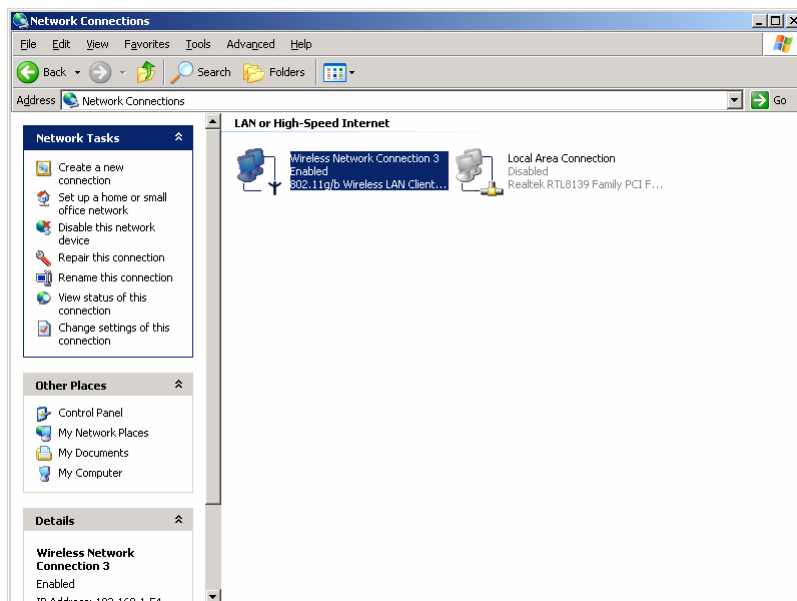


Figure 2-8

### 5. Highlight Internet Protocol (TCP/IP), then press Properties button

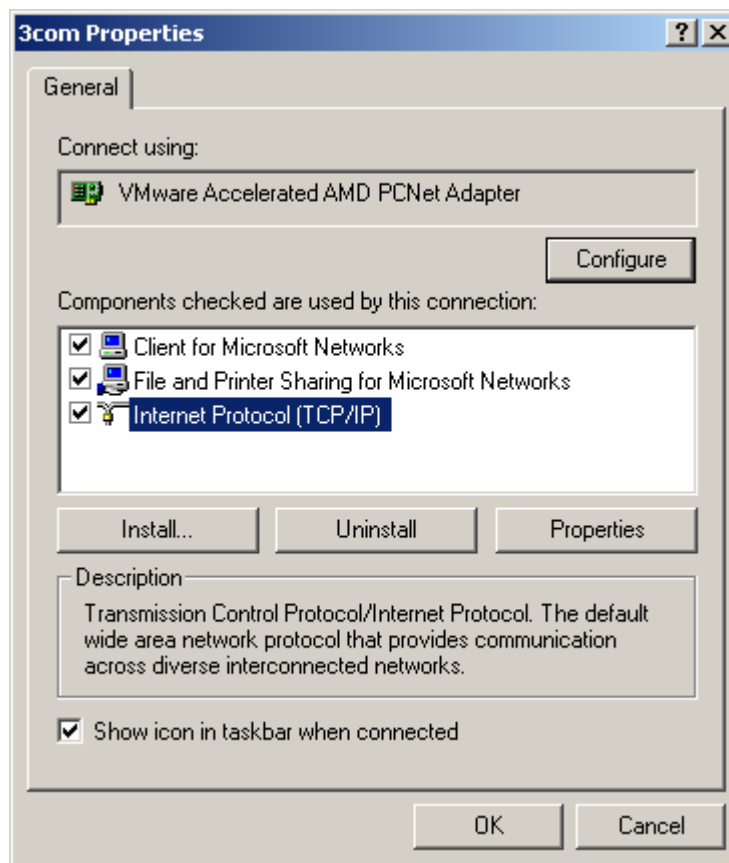


Figure 2-9

**6. Choose Obtain an IP address automatically and Obtain DNS server address automatically, then press OK to close the Internet Protocol (TCP/IP) Properties window**



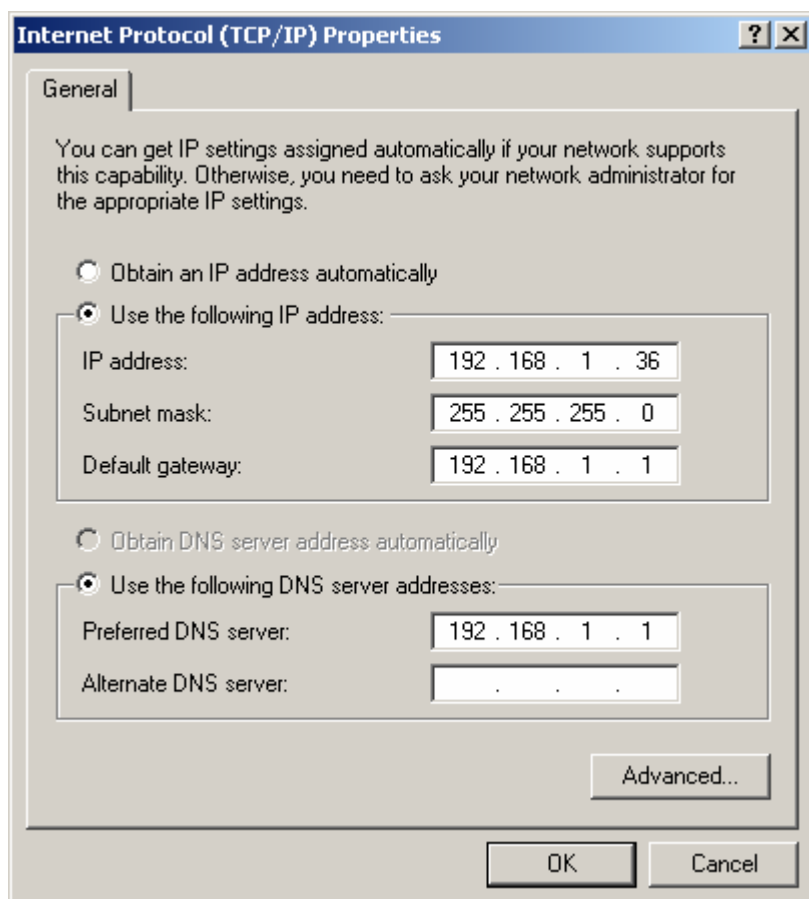


Figure 2-10

**7. Press OK to close the Local Area Connection Properties window**

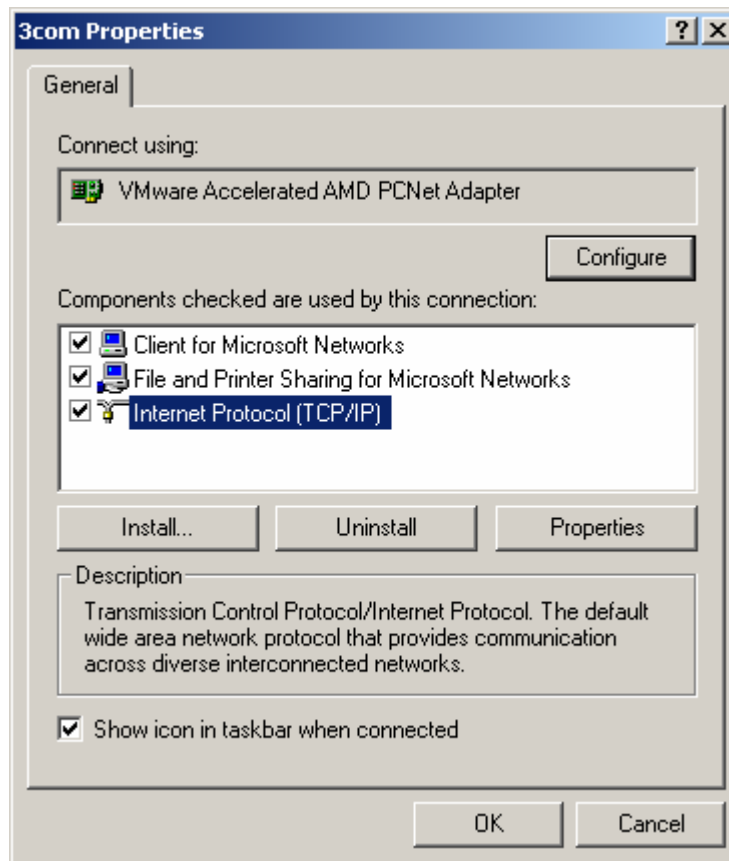


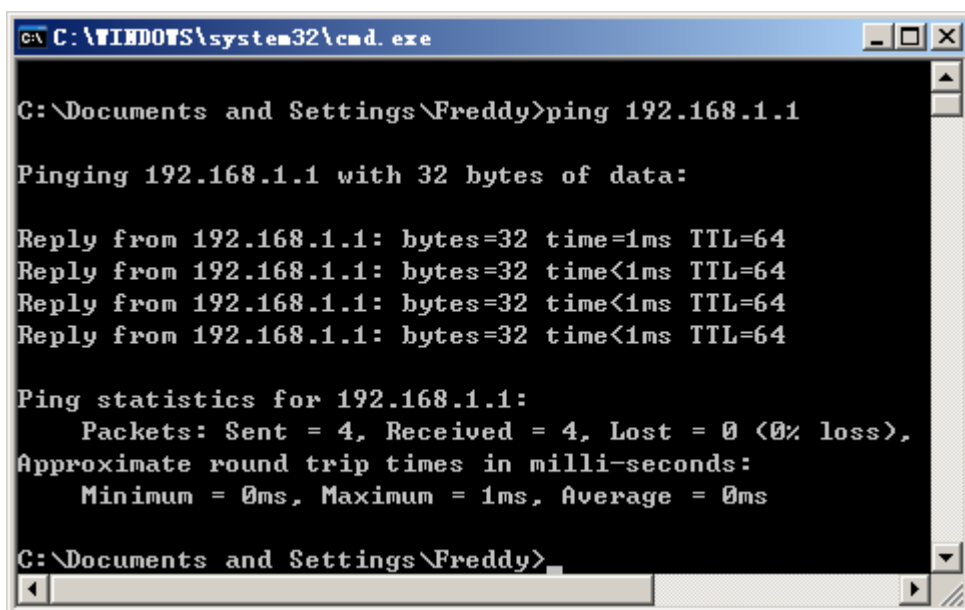
Figure 2-11

### 3 Connection the Router

After configuring the TCP/IP protocol, use the ping command to verify if the computer can communicate with the Router. To execute the ping command, open the DOS window and ping the IP address of the Broadband Router at the DOS prompt:

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

If the Command window returns something similar to the following:



```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\Freddy>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64

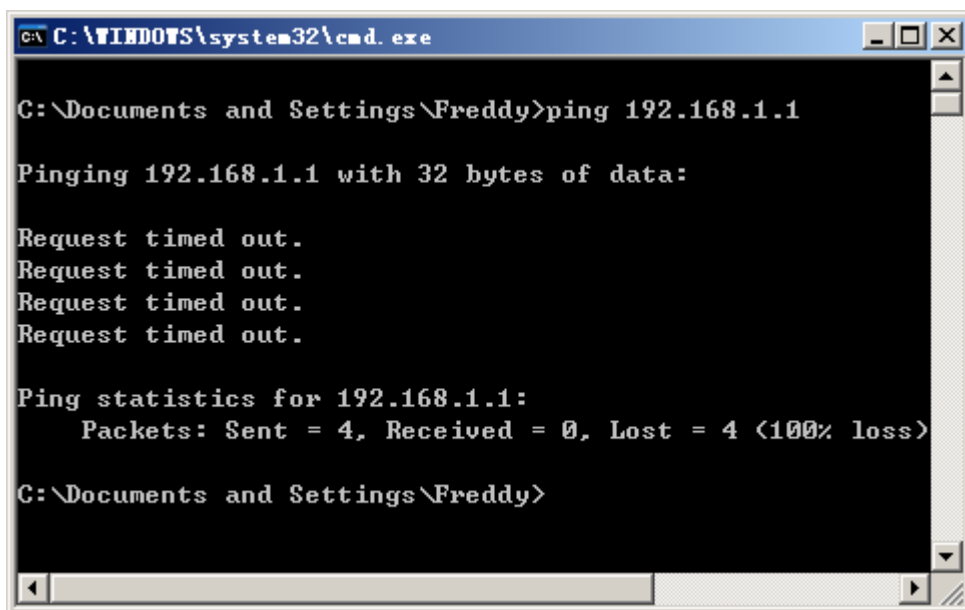
Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Documents and Settings\Freddy>
```

Figure 3-1

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:



```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\Freddy>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss)

C:\Documents and Settings\Freddy>
```

Figure 3-2

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

## 4 Accessing the Web-Based Configuration Utility

- Launch the Web browser and type `http://192.168.1.1` in the Address field and click Enter.
- After connected to the device, you will be prompted to enter the username and password. Type "guest" in the User Name field, the default password is "guest".

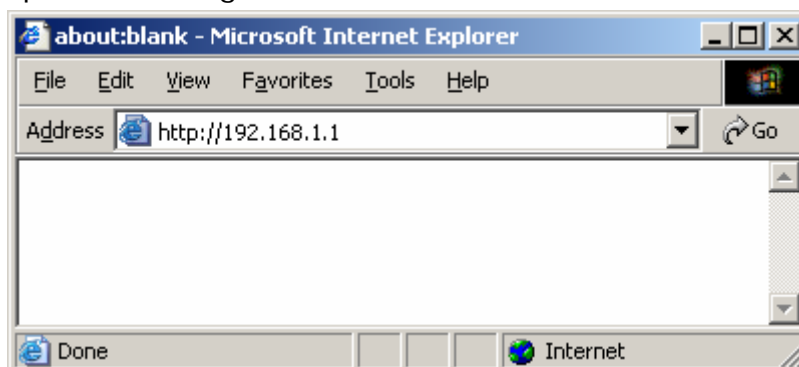


Figure 4-1

## 5 Quick Configuration for the Router

After login, the Broadband Router's web-based management is accessible.

- **Click the WAN Setup page link to configure the WAN interface.**
- **Select the Internet connection type**

The WAN Setup page configures the Internet connection of the Broadband Router. Consult your ISP if you are unsure about which Internet connection type to use. Select the correct protocol for your ISP from the table below. See the User Manual for more information.

### Dynamic IP Address

WAN Setup	
<input checked="" type="radio"/> <b>Dynamic IP User (Cable Modem)</b>	
<input type="radio"/> <b>PPPoE User (ADSL)</b>	
<input type="radio"/> <b>Static IP User</b>	
DHCP Client Setup	
<input type="checkbox"/> Physical Address Clone	<input type="text" value="08-10-17-49-66-22"/> If checked, the Mac address of PC will be updated
MTU	<input type="text" value="1496"/>
Primary DNS	<input type="text"/>
Secondary DNS	<input type="text"/>
<input type="button" value="Apply"/>	

Figure 5-1

**PPPoE**

Input your PPPoE Account and Password you get from your ISP.

WAN Setup	
<input type="radio"/> <b>Dynamic IP User (Cable Modem)</b>	
<input checked="" type="radio"/> <b>PPPoE User (ADSL)</b>	
<input type="radio"/> <b>Static IP User</b>	
PPPoE Setup	
PPPoE Account	<input type="text" value="test"/>
PPPoE Password	<input type="password" value="••••"/>
<input type="checkbox"/> Physical Address Clone	<input type="text" value="08-10-17-b9-2c-c7"/>
MTU	<input type="text" value="1492"/>
Primary DNS	<input type="text"/>
Secondary DNS	<input type="text"/>
<input checked="" type="radio"/> <b>Connect to Internet automatically (Default)</b>	
<input type="radio"/> <b>Auto disconnect when idle, time out</b>	
<input type="radio"/> <b>Connect to Internet manually</b>	
After <input type="text" value=""/> minutes, if no found the access request then auto-break off	
<input type="button" value="Apply"/>	

Figure 5-2

**Static IP**

<b>WAN Setup</b>	
<input type="radio"/> Dynamic IP User (Cable Modem)	
<input type="radio"/> PPPoE User (ADSL)	
<input checked="" type="radio"/> Static IP User	
<b>Static IP Setup</b>	
WAN IP Address	<input type="text" value="202.113.214.2"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="202.113.214.1"/>
Primary DNS	<input type="text"/>
Secondary DNS	<input type="text"/>
<input type="checkbox"/> Physical Address Clone	<input type="text" value="08-10-17-49-66-22"/> If checked, the Mac address of PC will be updated
MTU	<input type="text" value="1496"/>
<input type="button" value="Apply"/>	

Figure 4-3

- **After selecting the proper WAN connection setting, click Apply to save and enable these settings with the Router.**

## 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.**