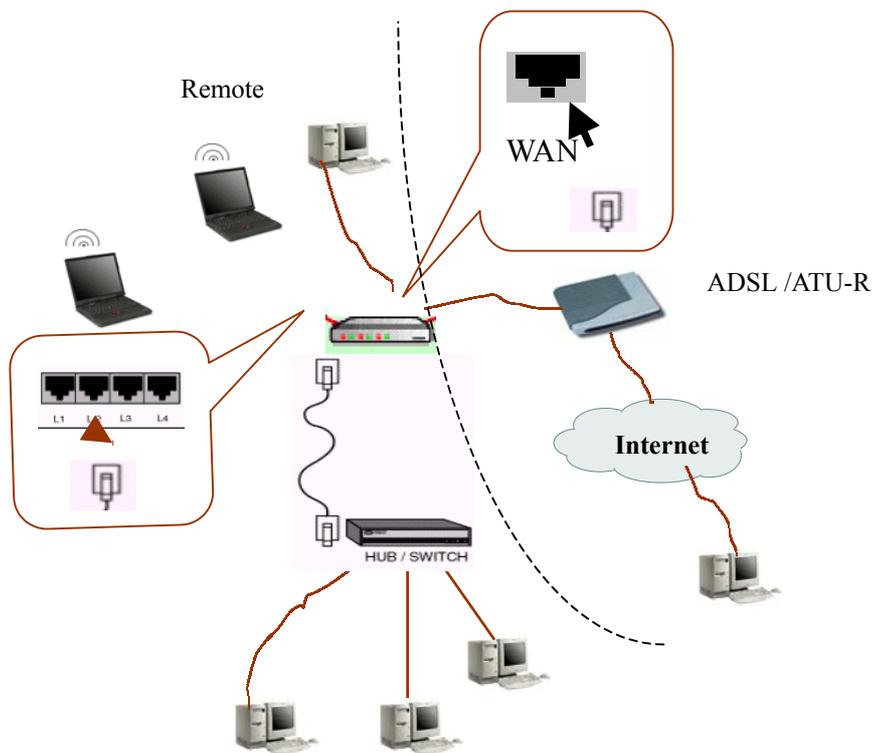# Broadband Wireless Router (AP)
Quick Started Guide

Introduction

Congratulations on your choosing of this Broadband Wireless Router (AP) with 4-port switch and access point that extend your existing broadband DSL/Cable connection. The 802.11b access point allows PC's with wireless cards connect together, while the high performance 4-port switch that expand your local network for small office. Also the feature-rich routing functions are seamlessly integrated to broadband service for existing home or office users. Now users can enjoy various bandwidth-consuming applications via this Broadband Wireless Router (AP).

Remote

WAN

ADSL /ATU-R

L1 L2 L3 L4

Internet

HUB / SWITCH

Connection Figure
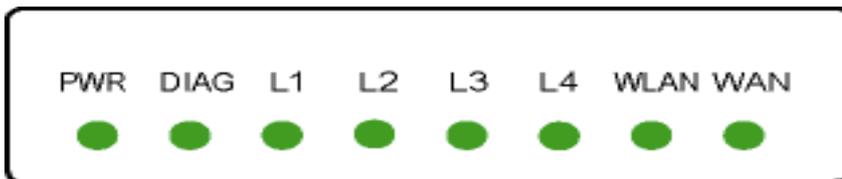
Packet Contents

- Broadband Wireless Router (AP)
- Power Adapter
- RJ-45 Ethernet Cable
- Quick Started Guide and User Manual CD

Hardware

Front panel

The following illustration shows the front panel of the Broadband Wireless Router (AP):

1. When link is established, the LED is **On**.

2. When the device is transferring data, the LED is **Blinking**.

Rear Panel

The following figure illustrates the rear panel of your Broadband Wireless Router (AP).

- **PWR:** Power Switch.

- **WAN:** This RJ-45 10 Base-T port connects to an Ethernet port of xDSL/ATU-R broadband device.

- **LAN port L1/L2/L3/L4:** 10/100 Base-TX, 4 port auto-sensing & crossover Ethernet switching hub (LAN interface).

- **12VDC:** 12V power connector.

- **RST:** Factory default reset switch.

To restore factory defaults, you do not need to power off the device. Push a small, stiff object into the **RST** hole to press down the button. Keep pressing and wait fort 3 seconds (the DIAG LED will illuminate about 3 seconds and turn off) to release the button. The device will automatically restart. During restart, **do not** turn on/off the device and wait for the device to boot up.

Connecting the Broadband Wireless Router (AP)

1 Connecting to the WAN port.

Connect the Ethernet cable with your xDSL/ATU-R to the 10Base-T Ethernet WAN port on your Broadband Wireless Router (AP).

Note:

1. The attached xDSL/ATU-R must provide a standard 10Base-T Ethernet connection. Please use the Ethernet cable provided by your ISP or any other standard 10Base-T Ethernet cable.

2. The Ethernet cable supplied by your ISP for connecting to your xDSL/ATU-R may be an Ethernet crossover cable or a straight-through cable. It is important to use the cable provided by your ISP to connect the modem to your Broadband Wireless Router (AP).

2 Connecting to the LAN port L1/L2/L3/L4.

Attach one end of the Ethernet cable with RJ-45 connector to the AV port of your Broadband Wireless Router (AP).

The Broadband Wireless Router (AP) incorporates a four-port switch for connection to your local Ethernet network. The Ethernet ports are capable of operation at either 10Mbps (10Base-T) or 100Mbps (100Base-Tx), depending on the Ethernet interface of the attached PC, hub or switch. For any connection which will operate at 100 Mbps, you must use a category 5 rated cable, such as the Ethernet cable included with the Broadband Wireless Router (AP).

3 Preparing your wireless station.

You need to check the setting of wireless client stations to match the default settings of the Broadband Wireless Router (AP):

1. The default SSID: **IEEE 802.11 LAN**.
2. WEP encryption is **disabled**. Authentication Type is **Open Key** (or **Open System** according to your Wireless LAN Card).
3. Use **Infrastructure** connection mode.

4 Connecting the power adapter .

Connect the supplied power adapter to the **12VDC** port of your Broadband Wireless Router (AP), and the other end to a power outlet.

Basic Configuration

On Ethernet Client

Step 1   Choose a client PC and configure it to get a dynamic IP from the Broadband Wireless Router (AP).

Step 2   Start up your browser and type 192.168.0.1 as the address to enter the web-based manager.

Step 3   Enter the default username and password. Both values are **admin** (small letters).

Step 4   Go to **Basic** > **WAN Setting** to finish basic configuration. From the drop-down list select your WAN connection type. Available options include: **Bridge**, **Obtain an IP address automatically**, **PPPoE** and **Specify an IP address**.

According to the type you selected, different parameters will appear. Refer to *Manual* for detailed information on these parameters.

After you finish setting all the parameters, click **Apply**.

Note: You should contact your ISP for the correct connection type and its corresponding configuration information.

Step 5   Perform the task of **Save** and **Reset** to have new settings take effect. When the connection is established, the client PCs can access the Internet or remote network through the Broadband Wireless Router (AP).

On Wireless Client

Step 1   Install the wireless card driver and verify the wireless setting is as below:
1.   The default SSID: **IEEE 802.11 LAN**.
2.   WEP encryption is **disabled**. Authentication Type is **Open Key** (or **Open System** according to your Wireless LAN Card) .
3.   Use **Infrastructure** connection mode.

Step 2   Check that the TCP/IP protocol is installed on your wireless client PC. Configure it to get a dynamic IP from the Broadband Wireless Router (AP).

Step 3   Enter the default username and password. Both values are **admin** (small letters).

Step 4   Go to **Basic** > **WAN Setting** to finish basic configuration. From the drop-down list select your WAN connection type. Available options include: **Bridge**, **Obtain an IP address automatically**, **PPPoE** and **Specify an IP address**.

According to the type you selected, different parameters will appear. Refer to *Manual* for detailed information on these parameters.

After you finish setting all the parameters, click **Apply**.

Note: You should contact your ISP for the correct connection type and its corresponding configuration information.

Step 5   Perform the task of **Save** and **Reset** to have new settings take effect. When the connection is established, the client PCs can access the Internet or remote network through the Broadband Wireless Router (AP).

Important Notice

1. If you are using PPPoE, the default connection type is **Dial On Demand** and the **Max Idle Time** is **10 min**. You may adjust the max idle time as required.

2. As the default SSID for wireless connection is "**IEEE 802.11 LAN**", it is recommended to customize your SSID value.

3. To prevent your Broadband Wireless Router (AP) from being accessed by unauthorized intruders, it is suggested to enable WEP encryption.

4. If a wireless client can not connect to the Broadband Wireless Router (AP), please check:
   a. Its SSID is identical to the SSID of your Broadband Wireless Router (AP).
   b. Check if WEP is enabled and the WEP encryption setting is the same as the Broadband Wireless Router (AP).
   c. If your Broadband Wireless Router (AP) acts as DHCP server, check that the wireless client resides in the same subnet with the Broadband Wireless Router (AP). You may need to release and renew its IP address.

5. If your network cannot access the Internet, please check:
   a. If connection from the client PC to the Broadband Wireless Router (AP) is OK.
   b. Is the WAN connection type correct as required by your ISP?
   c. If PPPoE is used, do you use correct Username and Password?
   d. Check the connection to the xDSL/ATU-R.