

## Before you use

The Wireless Broadband Router is a long-range, high performance wireless LAN product, which provides Access Point services to a 2.4 GHz RF network and bridges to an Ethernet backbone and routes to an Ethernet WAN port. The Wireless Broadband Router performs all the necessary inter-networking, bridging and routing functions. It receives data from both networks, stores them locally for further processing, installs and maintains connections, and transmits the packets to the proper destination.

The Wireless Broadband Router connects computers and laptops to your local network through wireless connection. The Radio Frequency (RF) waves link the wireless clients to the Access Point, and the Access Point works as a bridge between the wireless clients and the wired LAN or Ethernet clients.

The Wireless Broadband Router is compliant with the IEEE 802.11 / IEEE 802.11b DSSS specification and is Wi-Fi certified. Thus all wireless clients, even from different vendors, that meet the 802.11b standard can access your Ethernet network through this Wireless Access Point. Also, with throughput performance of up to 11 Mbps, the wireless connection is as efficient as the wired connection. The wireless LAN security is provided through its WEP (Wireless Equivalent Privacy) support.

Wireless Broadband Router has 4 10/100 Mbps switch ports. This switching automatically detects the speed of the device that you plug into it and routes it to the appropriate port.

## Features

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### Router Features

- ◆ NAT let multiple users on LAN to access the Internet for the cost of only one IP address and enjoy various multimedia applications.
- ◆ ALGs(Application Level Gateways) such as NetMeeting, FTP, RealPlayer, ICQ, CuSeeMe, mIRC, Quake, Internet Games, etc.
- ◆ DMZ hosting, Multiple Virtual Servers (e.g., Web, FTP, Mail servers) can be setup in local network.
- ◆ Static Route, RIP v1, v2
- ◆ Multiple kind of broadband WAN connection: PPPoE, DHCP Client, Fixed IP
- ◆ DHCP Server, DNS Relay

### Bridging Features

- ◆ Supports self-learning bridge specified in IEEE 802.1 D Transparent Bridging
- ◆ Transparent Bridging between 4-port 10/100 MB Ethernet switch and 802.11b Wireless LAN interface.

### Security Features

- ◆ PAP(RFC1334), CHAP(RFC1994) for PPPoE session
- ◆ Wireless support WEP (Wired Equivalent Privacy) uses RC4 with 40/64 and 128 bit key length
- ◆ Block WAN Ping and Client MAC control

### Wireless LAN Features

- ◆ Fully compatible to 802.11b standard, allowing up to 11Mbps wireless rate with distance up to 300 feet/90 meters.
- ◆ The 2.4 GHz Direct Sequence Spread Spectrum (DSSS) technology is exploited.
- ◆ Seamless roaming within wireless LAN infrastructure.
- ◆ Low power consumption via efficient power management.

## System Requirements

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For using Wireless Broadband Router, you have to make sure you have the following that installed on the clients:

### For Wireless Clients

- ◆ Operating System must be Windows98/2000/NT/ME/XP
- ◆ Wireless card installed
- ◆ Wireless card driver

### For Ethernet Clients

- ◆ Operating System must be Windows98/2000/NT/ME/XP
- ◆ 10/100 Base-T NIC
- ◆ 10/100 Base-T(UTP) network cable
- ◆ A Hub

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**Note:** Be aware that Cable/DSL Modem service registered from your Internet service provider is required for Internet access.

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## Unpacking

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After unpack the Broadband Cable/DSL Wireless Router package, please check the contents of the package with the checklist stated below. If you find any item is missing, please contact the dealer directly.

- Broadband Cable/DSL Wireless Router
- Power Adapter
- Power Cord
- RJ-45 Ethernet Cable
- Quick Start Guide
- User's Manual
- Driver & Utility Software CD

### Subscription for Router Service

To use the Cable/DSL Wireless Router, you have to subscribe for ADSL service from your broadband service provider. According to the service type you subscribe, you will get various IP addresses:

- Dynamic IP:** If you apply for dial-up connection, you will be given an Internet account with username and password. You will get a dynamic IP by dialing up to your service provider.
- Static IP address:** If you apply for full-time connectivity, you may get either one static IP address or a range of IP addresses from your service provider. The number of IP addresses varies according to different ADSL service provider.