

## **Chapter 1 Introduction**

Congratulations on your purchase of this outstanding Wireless Broadband Router. This product is specifically designed for Small Office and Home Office needs. It provides a complete SOHO solution for Internet surfing, and is easy to configure and operate even for non-technical users. Instructions for installing and configuring this product can be found in this manual. Before you install and use this product, please read this manual carefully for fully exploiting the functions of this product.

### **Functions and Features**

#### **Router Basic functions**

##### **I Auto-sensing Ethernet Switch**

Equipped with a 4-port auto-sensing Ethernet switch.

##### **I WAN type supported**

The router supports some WAN types, Static, Dynamic, PPPoE , PPTP , and Dynamic IP with Road Runner.

##### **I Firewall**

All unwanted packets from outside intruders are blocked to protect your Intranet.

##### **I DHCP server supported**

All of the networked computers can retrieve TCP/IP settings automatically from this product.

##### **I Web-based configuring**

Configurable through any networked computer's web browser using Netscape or Internet Explorer.

##### **I Virtual Server supported**

Enable you to expose WWW, FTP and other services on your LAN to be accessible to Internet users.

##### **I User-Definable Application Sensing Tunnel**

User can define the attributes to support the special applications requiring multiple connections, like Internet gaming, video conferencing, Internet telephony and so on, then this product can sense the application type and open multi-port tunnel for it.

##### **I DMZ Host supported**

Lets a networked computer be fully exposed to the Internet; this function is used when special application sensing tunnel feature is insufficient to allow an application to function correctly.

##### **I Statistics of WAN Supported**

Enables you to monitor inbound and outbound packets

#### **Wireless functions**

**I High speed for wireless LAN connection**

Up to 54Mbps data rate by incorporating Orthogonal Frequency Division Multiplexing (OFDM).

**I Roaming**

Provides seamless roaming within the IEEE 802.11b (11M) and IEEE 802.11g (54M) WLAN infrastructure.

**I IEEE 802.11b compatible (11M)**

Allowing inter-operation among multiple vendors.

**I IEEE 802.11g compatible (54M)**

Allowing inter-operation among multiple vendors.

**I Auto fallback**

54M, 48M, 36M, 24M, 18M, 12M, 6M data rate with auto fallback in 802.11g mode.

11M, 5.5M, 2M, 1M data rate with auto fallback in 802.11b mode.

**Security functions**

**I Packet filter supported**

**Packet Filter** allows you to control access to a network by analyzing the incoming and outgoing packets and letting them pass or halting them based on the IP address of the source and destination.

**I Domain Filter Supported**

Let you prevent users under this device from accessing specific URLs.

**I URL Blocking Supported**

URL Blocking can block hundreds of websites connection by simply a **keyword**.

**I VPN Pass-through**

The router also supports VPN pass-through.

**I 802.1X supported**

When the 802.1X function is enabled, the Wireless user must authenticate to this router first to use the Network service.

**I Support WPA-PSK and WPA**

When the WPA function is enabled, the Wireless user must authenticate to this router first to use the Network service

**I SPI Mode Supported**

When SPI Mode is enabled, the router will check every incoming packet to detect if this packet is valid.

**I DoS Attack Detection Supported**

When this feature is enabled, the router will detect and log the DoS attack comes from the Internet.