

## GL2454-RT

### 54/108Mbps Wireless AP Router Super G Turbo (108M) Wireless Broadband Router



#### FEATURES

- Compliance with IEEE 802.11g and 802.11b standards
- Highly efficient design mechanism to provide unbeatable performance
- Provides 1-WAN and 4-LAN 10/100Mbps Switch
- Strong network security with WEP and 802.1X encryption
- Achieving data rate up to 54Mbps for 802.11g and 11Mps for 802.11b
- Wide range coverage and high performance to deliver up to 108Mbps raw data rate for 802.11g
- Quick and easy setup with Web-based management
- Support Windows 98, 98SE, Millennium Edition (ME), 2000 and XP operating systems
- Adjustable antenna transmit power

#### OVERVIEW

The 54/108Mbps Wireless Broadband Router is ideal for home and SOHO networking for device sharing and wireless multimedia communications. It is integrated with a built-in infrastructure mode wireless access point and one WAN plus four LAN switches. This wireless router provides ideal solution for difficult-to-wire environment or temporary LANs for scenarios such as trade show exhibitions and meetings. It is an ideal application device for LAN adaptability to frequently changing environments or remote access to corporate network information, for example e-mail and the company home page.

A setup wizard is provided as the part of the web configuration utility. You can simply follow the step-by-step process to get your wireless router configuration ready to run in 6 easy steps by clicking on the "Wizard" button on the function menu.

Super G mode is supported in the advanced feature. If you like to use Super G to enhance the speed, there are three options on Super G mode: Super G without turbo; Super G with Dynamic turbo and Super G with Static turbo. Turbo mode indicates the combination of two channels to enhance the throughput. Super G without turbo indicates that it is on Super G mode without the channel's combination. Dynamic turbo is able to automatically detect if any 'Super G based' product is available. If no, the connection is via 'normal' G. Static turbo means it will not go back to 'normal' G once it starts.

**SPECIFICATIONS****Wireless LAN Specifications**

Standards	Wireless: IEEE 802.11b, 802.11g Ethernet: IEEE 802.3/u (10/100BaseTx)
Data Rate	802.11b: Up to 11 Mbps 802.11g: 54Mbps; up to 108Mbps when Super G enabled
Frequency Range	2412 ~ 2462 MHz (N.A) 2412 ~ 2472 MHz (EU) 2412 ~ 2484 MHz (Japan)
Operation Channel	1 ~ 11 channels (North America) 1 ~ 13 channels (General Europe) 1 ~ 14 channels (Japan)
Emission Type	DSSS / OFDM
Output Power	16-18dBm
Sensitivity (802.11b)	1, 2 Mbps (BPSK, QPSK): - 90 dBm 5.5 Mbps (CCK): - 86 dBm 11 Mbps (CCK): -82 dBm (typically @PER < 8% packet size 1024 and @25°C + 5°C)
Sensitivity (802.11g)	54Mbps (64QAM): -66dbm 48Mbps (64QAM): -71dbm 36Mbps (16QAM): -78dbm 24Mbps (16QAM): -80dbm 18Mbps (QPSK): -81dbm 12Mbps (QPSK): -82dbm 9Mbps(BPSK): -85dbm 6Mbps (BPSK): -87dbm (typically @PER < 10% packet size 1024 and @25°C + 5°C)
Frequency Stability	Within +25 ppm
Data Modulation Type	BPSK, QPSK, CCK and OFDM

**Software Specifications**

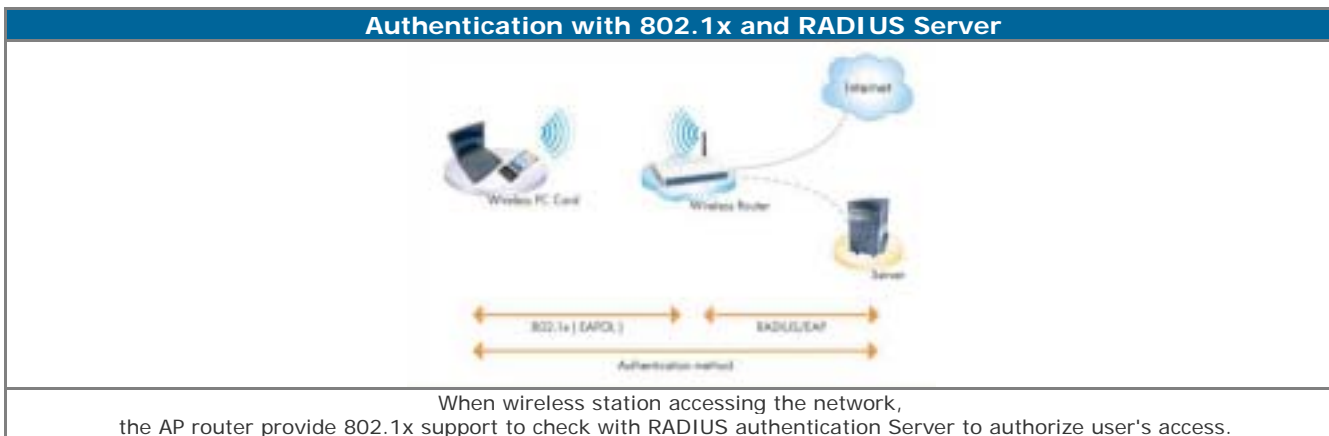
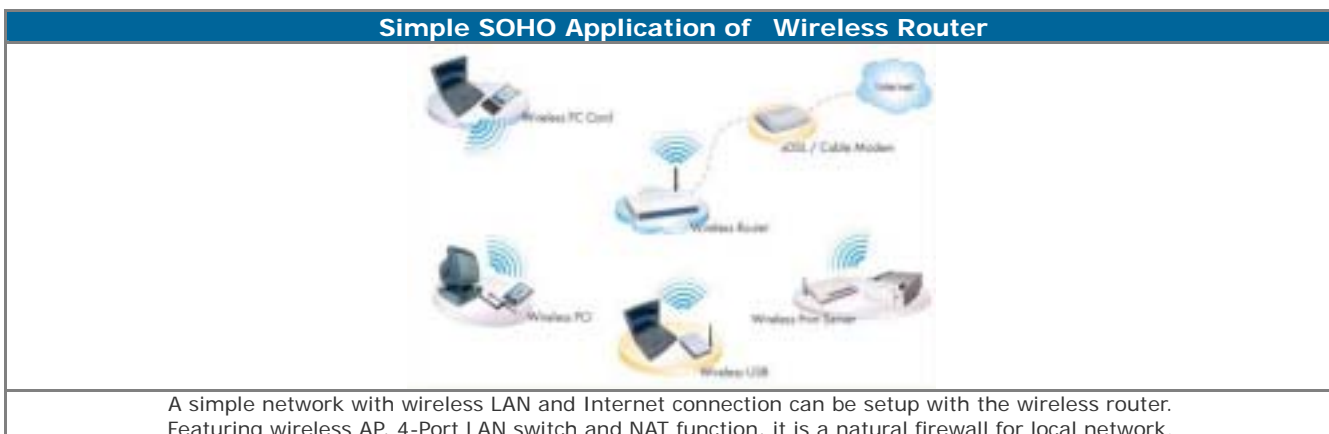
Standards & Protocol	802.3/u: 10/100 Mbps Fast Ethernet, IP v4, UDP, ICMP, TCP Routing: RIPv1, RIPv2 Secure: PAP, CHAP Network Timing Protocol DHCP DDNS PPPoE UPnP
Security	WEP 64/128 802.1X support Wi-Fi Protected Access (WPA) WPA-PSK SSID Broadcast Disable function
Firewall	MAC Filter IP Filter Protocol Filter Special Application Virtual Server DMZ VPN pass through: IPsec; PPTP
Configuration & Management	Web-Based Configuration TFTP for software upgrade available Status Log SNMP: MIBII v1
Super G support	Dynamic turbo mode; static turbo mode
Regulation and Compliance	US FCC Part 15 class B Europe ETS 300 328, ETS 301 489-1&17, and CE Mark EN 60950, EN 55022 Class B, EN 50082-1 1998
OS Supported	Windows 98SE, Windows ME, Windows 2000, Windows XP

**Hardware Specifications**

Interface	1 x 100BaseTX with Automatic MDI/MDIX feature (WAN) 4 x 100BaseTX with Automatic MDI/MDIX feature (LAN) Power Jack: 2.1 mm (inner size) Default Reset Button
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Antenna Type	1 X 2.4GHz Dipole Antenna 1 X 2.4GHz Printed Antenna
Chipset	CPU/BB/MAC: AR2312A-01 RF: AR2112A-00
Memory	Flash: 1MB SDRAM: 8MB
LED	Power/Status: steady green WLAN: green for wireless connectivity / activity WAN Network: green for link; blink for activity 4 LAN Network: green for link; blink for activity
Dimension	L x W x H: 200 x 115 x 37mm
Power	DC 5Volt / 2.5A; AC Adapter 100V~240V
Operating Temperature	0° ~ 45
Storage Temperature	-20° ~ 60
Humidity	0 ~ 90% non-condensing

### Application Diagram



### ORDERING INFORMATION

Model	Description
GL2454-RT	54/108Mbps Wireless Broadband Router

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