

## GL2454-AP

### 54/108Mbps Wireless Access Point Super G Turbo (108M) Wireless Access Point



#### FEATURES

- Fully IEEE 802.11g and 802.11b standards compliant
- Full function wireless Access Point with roaming service
- Support Super G with dynamic or static turbo for up to 108Mbps data rate and high throughput
- Advanced wireless application mode AP, AP Client, wireless bridge, multiple bridge, repeater selectable
- 54Mbps data transfer rate and auto fallback for longer coverage and noisy environment
- Supports 11g data rate at 54, 48, 36, 24, 18, 12, 9, 6 Mbps and 11, 5.5, 2, 1 Mbps of 11b
- Stronger network security with 802.1x
- Wi-Fi Protected Access (WPA), WPA-PSK and WEP encryption, open system and shared key
- Quick and easy setup with Windows utility and web manageable

#### OVERVIEW

The highly efficient 2.4GHz IEEE 802.11g/b Wireless Access Point is designed to meet the need of wireless clients who use 2.4GHz 802.11b/g compliant wireless products such as PC Card. With the Dual-Standard capability, not only seamless but also simultaneous wireless data transmission between AP and all wireless clients using both 802.11b and g, can be sustained.

Device setup can be installed by the simple setup wizard provides as part of the web management utility or be manually configured for the advanced settings. Wireless network protection can be ensured by WEP encryption, Wi-Fi Protected Access (WPA) and 802.1x authentication to achieve maximum level of security.

The 2.4GHz 802.11g/b Wireless Access Point with optional Super G and turbo boost unbeatable performance up to 108Mbps, results in both data throughput and range coverage, is an ideal device to be deployed not only in complex network infrastructure such as enterprise corporation, metropolitan area but also in simple SOHO and home environment.

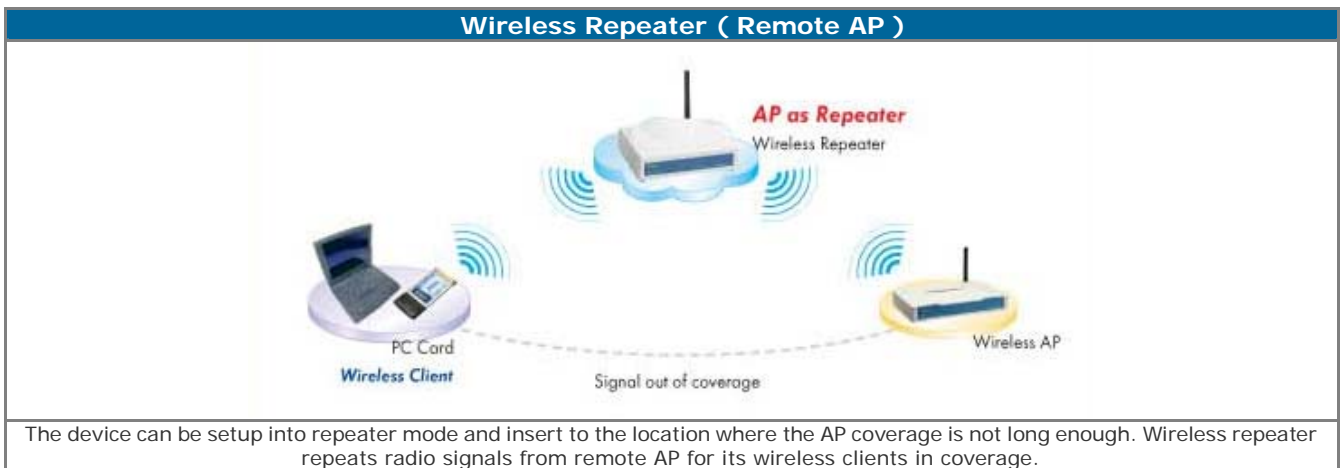
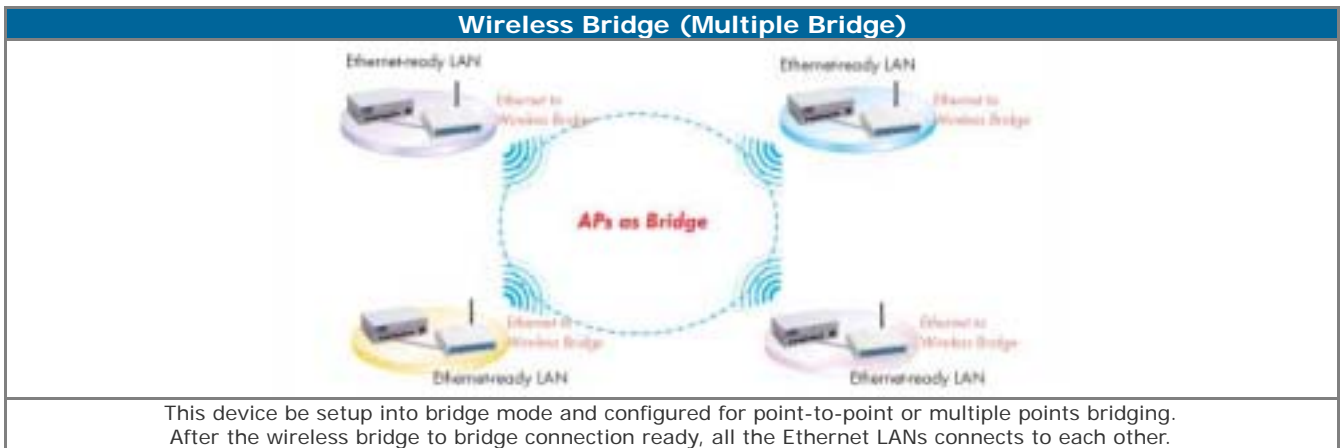
**SPECIFICATIONS**

<b>Wireless LAN Specifications</b>	
Standards	Wireless: IEEE 802.11b, 802.11g Ethernet: IEEE 802.3/u (10/100BaseTX)
Data Rate	802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback 802.11g and 802.11b automatically switch
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Antenna type	2dBi Dipole Antenna Detachable reverse SMA connector
Frequency Range	2.4GHz Industrial Scientific Medical (ISM) Band
Radio Channel	1 ~ 11 channels (North America) 1 ~ 13 channels (General Europe) 1 ~ 14 channels (Japan)
RF Frequency	2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (General Europe) 2412 ~ 2484 MHz (Japan)
RF Output Power	16 – 18 dbm (typical)
Receiver Sensitivity	802.11g: -68 dBm (54Mbps), -90 dBm (6Mbps) 802.11b: -82 dBm (11Mbps), -90 dBm (1Mbps)
Modulation Type	BPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Part 15 Class B (USA) ETSI, CE (Europe) WiFi Compliant

<b>Software Specifications</b>	
Wireless Basic	AP Name, SSID, Channel Authentication: Open System, Shared Key, WPA, WPA-PSK WEP Key: Disable/Enable, 64/128-bit
Wireless Advanced	AP Mode: AP, AP Client, Wireless Bridge, Multiple Bridge, Repeater Beacon Interval: 20 ~1000 RTS Threshold: 256~2432 Fragmentation Threshold: 1500~2364 STIM Interval: 1~255 SSID Broadcast: Enable/Disable Transmit Rate: Auto, 54/48/36/24/18/12/11/9/6/5.5/2/1-Mbps IEEE802.11g Only Mode: Enable/Disable Antenna Transmit Power: Full, Half(-3dB), Quarter(-6dB), Eighth(-9dB), Min.
Super G Mode	Super G with Dynamic Turbo Super G with Static Turbo Super G without Turbo Disabled
TCP/IP Setting	Obtain IP Automatically, Fixed IP IP Address, Netmask, Gateway DHCP Server Disable/Enable, IP Range, DNS Server
Security	Administrator ID and password MAC Filter: Disable/Enable, Only Deny or only Allow MAC Address Entry: 50 entries
802.1x Setting	Enable/Disable Encryption Key Length: 64/128-bit Lifetime Setting: 5 min. ~ 1 day RADIUS Server: IP address, Port Number, Shared Secret Optional second RADIUS Server: IP address, Port Number, Shared Secret
Tools	Setup Wizard Save and restore setting Restore factory default setting Firmware upgrade

Hardware Specifications	
Standard Compliance	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.11g IEEE 802.11b
Interface	LAN: One 10/100Base-T/TX RJ-45 ports Wireless Access Point One reset button for factory default setting
Chipset	Wireless: Atheros
LED Display	Power, LAN, Wireless LAN
Installation	Desktop Wall mounting
Dimension	143 (L) x 110 (W) x 45 (H) mm
Certification	EMI/EMC: FCC Class B, CE Mark
Environmental	Operating Temperature: 0° ~ 45 (32° ~ 113 ) Storage Temperature: -20° ~ 60 (-4° ~ 140 ) Humidity: 0 ~ 90% non-condensing
Power	External power adapter, 5VDC, 2A

### Application Diagram



### Wireless Access Point ( Infrastructure )



A typical wireless LAN can be setup by the standard access point. All kinds of wireless clients can be connected. The AP's Ethernet port then connected to a broadband router or switch for internet connection.

### Wireless AP Client ( Infrastructure )



This device can be setup into AP client mode and configured for infrastructure wireless access. It automatically connects to the available access point and is totally transparent to the Ethernet device or OS.

#### ORDERING INFORMATIONS

Model	Description
GL2454-AP	54/108Mbps Wireless Access Point

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