

Buffalo AirStation™ G54

54 Mbps* Wireless Bridge Access Point – WLA2-G54L

The **AirStation 54 Mbps* Wireless Bridge Access Point** is an affordable wireless networking solution that allows you to create a wireless network or to expand the range of an existing wireless network. The AirStation 54 Mbps* Wireless Bridge Access Point features a built-in 10/100M 4-port switch and Buffalo's patented AirStation One-Touch Secure System (AOSS) technology, which enables you to set up wireless connections with the push of a button. AOSS automatically detects and configures other AOSS-enabled devices and clients to seamlessly create secure wireless connections. The AirStation 54 Mbps* Wireless Bridge Access Point also supports WDS – also known as Wireless Distribution System or the Bridge/Repeater Mode, for point-to-point or point-to-multipoint communication and covers dead spots in Wireless LAN's. WDS allows the AirStation 54 Mbps* Wireless Bridge Access Point to wirelessly communicate with other AirStation Access Points that support WDS. Other features of the AirStation 54 Mbps* Wireless Bridge Access Point include support for Wi-Fi Protected Access™ (WPA) with TKIP, AES, 802.1x and WEP for added security. By supporting WDS communication with up to six other Buffalo AirStation Access Points, as well as offering the ability to support external 2.4 GHz Antennas, the AirStation 54 Mbps* Wireless Bridge Access Point is the ideal solution to create a wireless network or to greatly expand the range of your existing wireless network.



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- Wi-Fi® 802.11g
- Backward Compatible with 802.11b
- Built-in 10/100M 4-port Switch
- 54 Mbps* High-Speed Wireless Data Rate
- Wi-Fi Protected Access™ (TKIP, AES)
- Configured via Web Browser
- Supports Bridge/Repeater Function (WDS)
- External 2.4 GHz Antenna Support
- Easy Setup with AirStation One-Touch Secure System (AOSS™)
- Compact Design
- 24/7 Toll-Free Tech Support
- 2-Year Warranty
- Wirelessly Expand your Existing Network
- Wall Mount Kit Available

AOSS™ - One Click. One Touch. Done.

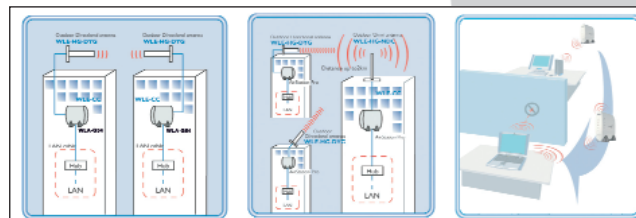
(1) Press the AOSS button on the Access Point to initiate the AOSS session.

(2) Click on the AOSS icon in the Buffalo Client Manager Software.

Done - A secure connection is automatically established between the Access Point and the Desktop.



The Wireless Distribution System (WDS) or Bridge/Repeater Mode allows the AirStation to wirelessly communicate with other Buffalo AirStation Access Points (Base Stations) that support WDS. The AirStation 54 Mbps* Standard Bridge Base Station supports communication with up to six other Buffalo Bridge APs for point-to-point or point-to-multi-point communication and to cover dead zones in WLANs



Technical Specifications

54 Mbps* Wireless Bridge Access Point – WLA2-G54L

Wireless LAN

Standards Compliance	802.11g (Wireless LAN Protocol) 802.11b (Wireless LAN Standard)
Frequency Range	2,412 - 2,462 GHz
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Security	WPA (AES, TKIP), 802.1x, WEP MAC Address registration
Access Mode	Infrastructure Mode /WDS (Bridge/Repeater Mode)
Antenna	Diversity Method (Internal)
External Antenna Connector	MC Card
Output Power	15 dBm (32 mW)
Selectable Channels	11 Channels (3 non-overlapping)
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), Half Duplex, OFDM

Wired LAN

Interface	IEEE802.3 (10 Base-T)/802.3u (100 Base-TX)
Transmission Rate	10 /100 Mbps
Ports/Connector	Four (4)10 /100 Base-T RJ-45 Ports (Auto MDI/X)
Transmission Encoding	10 Base-T Manchester Coding;
Method	100 Base-TX4B5B/MLT-3
Access Method	CSMA/CD
Protocol	TCP/IP (HTTP)
Power Supply	100-240 V AC 50/60 Hz DC 3.3V, 2.5A
Dimensions	3 x 6.75 x 6.1 in.(76 x 171 x 155 mm)
Weight	1 lb. (445 g)
Operating Environment	0-40°C, 20-80% humidity (non-condensing)

Communication Range

Speed	Indoor	Outdoor
54Mbps	65 ft. (20 m)	165 ft. (50 m)
18Mbps	195 ft. (60 m)	490 ft. (150 m)
11Mbps	245 ft. (75 m)	590 ft. (180 m)
1Mbps	410 ft. (125 m)	1870 ft. (570 m)

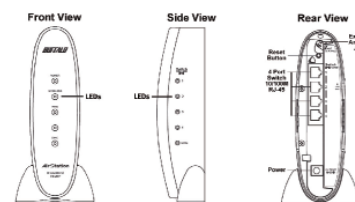
Support Available for: Windows 98SE, ME, NT4, 2000 and XP (Linux/Macintosh Compatible)

Package Contents: AirStation 54 Mbps* Bridge Access Point, Power Supply, CD-ROM disk with User Manual, LAN Cable, Quick Set-up Guide and Warranty Statement

Related Products: AirStation 54 Mbps* Notebook Adapter, AirStation 54 Mbps* PCI Card and AirStation 2.4 GHz Antennas



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Buffalo Technology (USA), Inc. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. With its expansion into the U.S. retail market, Buffalo offers home users a full suite of wireless home networking solutions such as its award-winning line of AirStation 54g products; its 125⁺ High-Speed Mode™ 802.11g products; and its versatile line of 802.11a/b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

With its new AirStation One-Touch Secure System (AOSS™), Buffalo offers the ultimate in ease-of-use and security. The company's commitment to its customers and technological innovation has put Buffalo at the forefront of networking technology and is the foundation for its leading position among the top WLAN vendors worldwide.



54g™ is trademark of the Broadcom Corporation

*54 Mbps is the IEEE 802.11g standard theoretical maximum data transfer rate. Actual wireless network throughput is limited by environmental and system factors and will be less.

†When operating in High-Speed Mode™, this Wi-Fi device achieves an actual throughput of up to 34.1 Mbps, which is the equivalent throughput of a system following 802.11g protocol and operating at a signaling rate of 125 Mbps.

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