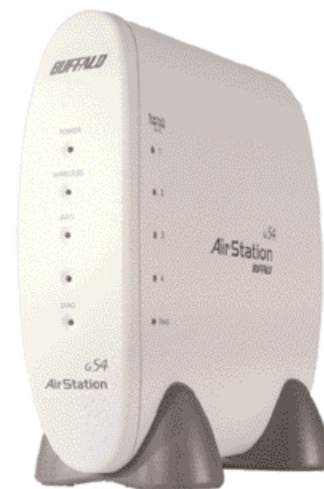# AirStation G54

54Mbps Wireless Bridge Base Station-g
WLA-G54

The **AirStation 54Mbps Wireless Bridge Base Station-g** incorporates a 10/100M 4-port switch and the Wireless Distribution System (WDS) or Bridge/Repeater Mode for point-to-point or point-to-multi-point communication and to cover dead spots in Wireless LANs. The 54Mbps Bridge offers the fastest wireless throughput on the 2.4GHz band and delivers higher data rates over greater distances than 802.11a-based networks. The easy-to-use 54Mbps Standard Bridge is the perfect wireless solution to extend the range of your wireless networks.
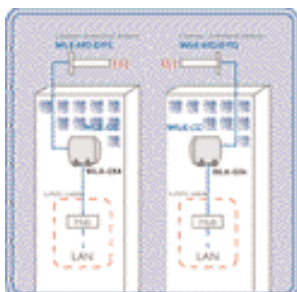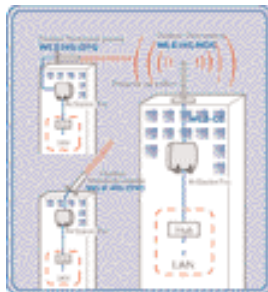
WLA-G54

◗ 54Mbps High-Speed Wireless Data Rate

◗ Wi-Fi™ certified interoperability with 802.11b

◗ Supports up to 128-bit WEP

◗ Built-in 10/100M 4-port switch

◗ External 2.4GHz Antenna Ready

◗ Supports Bridge/Repeater function (WDS)

◗ Allows WAN and MAC address modification

◗ Configured via Web Browser

◗ 24 / 7 Toll-Free Tech Support

◗ 2-Year Warranty

Point-to-Point Communication

Point-to-Multi-Point Communication

Repeater Mode

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 54Mbps 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.

◗ AirStation G54 products deliver the fastest possible data rate defined by the proposed IEEE802.11g draft specification.

AirStation G54 products are up to five (5) times faster than 802.11b Wireless LANs and deliver higher data rates at longer distances than 802.11a, requiring fewer access points which reduce deployment costs.

AirStation 54Mbps Wireless Bridge Base Station-g
Technical Specifications

Wireless LAN

Standards Compliance	802.11g (Wireless draft protocol)
	802.11b (Wireless LAN Standard)
Frequency Range	2,412 - 2,462MHz
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps / 802.11b: 1, 2, 5.5, 11Mbps
Security	64/128-bit WEP, password, MAC Address registration
Access Mode	Infrastructure Mode / WDS (Bridge/Repeater Mode)
Antenna	Diversity Method (Internal)
External Antenna Connector	MC
Output Power	15dBm (32mW)
Selectable Channels	11 Channels (3 non-overlapping)
Communication Protocol	Direct Sequence Spread Spectrum (DS-SS, Half-Duplex)

Wired LAN

Interface	IEEE802.3 (10 Base-T / 100 Base-TX)
Transmission Rate	10 / 100 Mbps (Auto Sense)
Ports/Connector	Four (4) 10/100 Base-T RJ-45 ports (Auto MDI/X)
Transmission Encoding Method	10 Base-T Manchester coding; 100 Base-TX4B5B/MLT-3
Access Method	CSMD/CD
Protocol	TCP/IP (HTTP)
Power Supply	100-240V AC 50/60Hz DC 3.3V, 2.5A
Dimensions	W3 x H6.75 x D6.1in. (76 x 171 x 155mm)
Weight	1 lb. (445g)
Operating Environment	0-40° C, 20-80% humidity (non-condensing)

Communication Range

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

All distances are estimated. Wireless connections may be affected as physical conditions and circumstances vary.

Support Available for:	Windows 98se, ME, NT4, 2000 and XP (Linux/Macintosh Compatible)
Package Contents:	AirStation 54Mbps Bridge, Power Supply, CD driver disk with User Manual, LAN Cable, Quick Set-up Guide and Warranty Statement
Related Products:	AirStation 54Mbps Notebook Adapter, AirStation 54Mbps PCI Card and AirStation 2.4GHz Antennas

Buffalo Technology (USA), Inc., along with our parent company MELCO, Inc., are global leaders in the design, development, and manufacturing of wireless networking solutions for the SMB, SOHO and home. Buffalo Technology's products are Wi-Fi™ 802.11b certified and provide a wide range of wireless LAN solutions focusing on security and VPN features.

Front View

Side View

Rear View

Wi-Fi™ is a trademark of the
Wireless Ethernet Compatibility Alliance, Inc.

54g™ is a trademark of the
Broadcom Corporation

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