

Buffalo AirStation™ G54

54 Mbps* Wireless Cable /DSL Router-g with AOSS™ – WBR2-G54

The **Buffalo AirStation 54 Mbps* Wireless Cable/DSL Router-g with AOSS**, combines fast 54 Mbps* 802.11g wireless data rates with Buffalo's new AOSS™ (AirStation One-Touch Secure System™). With AOSS, users can setup secure wireless connections with the push of a button. AOSS automatically detects and configures other AOSS enabled wireless devices and clients and seamlessly creates secure connections. As you add additional devices, security is negotiated at the highest level possible for all devices on the network. The AirStation 54 Mbps* Wireless Cable/DSL Router-g allows you to securely share your Internet Broadband connection. Security features include WPA, WEP, Privacy Separator, and Intrusion Detector, and SPI firewall. In addition to fast 54g performance, WBR2-G54 includes optimized LAN/WAN Routing and a high-speed 10/100 4-port switch. The combination of speed, security, and push-button AOSS setup, makes the Buffalo AirStation 54 Mbps* Wireless Cable/DSL Router-g the perfect choice for your wireless network.

- AOSS™ (AirStation One-Touch Secure System™)
- 802.11g 54 Mbps* High-Speed Wireless
- High Security with WPA, Privacy Separator, and Intrusion Detector
- SPI Firewall
- WDS Support (Bridge/Repeater Mode)
- External Antenna Support
- Wireless Output Power Setting
- Dynamic Packet Filtering
- NAT Support
- Built-in DHCP Server
- Built-in 10/100 4-Port Switch



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AOSS™



Buffalo AirStation One-Touch Secure System allows you to create secure wireless connections with the push of the button and click of a mouse!

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Technical Specifications

54 Mbps* Wireless Cable /DSL Router-g with AOSS™ – WBR2-G54

Specifications -Wireless Interface (802.11g,802.11b)

Standards Compliance	802.11b/g
Frequency Range	2.412 - 2.462 GHz (1-11channel)
Transmission Mode	DSSS, OFDM, CCK, Half Duplex
Transmission Rate	802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Wireless Security	WPA, WEP, MAC address filtering, Privacy Separator
Internet Security	Dynamic Packet Filtering Intrusion Detector, SPI Firewall
Access Mode	Infrastructure Mode
Antenna	Diversity Antenna

Wired LAN/WAN Interface

Standards Compliance	IEEE802.3u (100 Base-TX)
Connector Type	RJ-45
Transmission Encoding Method	10 Base-T Manchester Coding 100 Base-TX 4B5B/MLT-3
Access Method	CSMD/CD
Transmission Rate	LAN: 10/100 Auto Sense WAN: 10/100 Auto Sense
Number of Ports	LAN: 4 (Auto MDIX) WAN: 1 (Auto MDIX)

Others

Weight	410 g (13 oz.)
Dimensions	155 x 170 x 76 mm (6.2 x 6.8 x 3 in.)
Work Environment	0-40° C, 20-80% Humidity (non-condensing)

Communication Range

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

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

Support Available for:	Windows 98SE, 2000, ME, XP and Macintosh (MAC OS 10.2.6 and higher)
Package Contents:	Wireless Cable/DSL Router-g, Power Supply, Ethernet Cable, Setup CD with User Manual, Quick Setup Guides, and Warranty Card
Related Products:	AirStation 54 Mbps* Notebook Adapters, AirStation 54 Mbps* PCI Adapters, AirStation 2.4 GHz Antennas



Buffalo's Exclusive Intrusion Detector™
A powerful firewall that identifies and blocks outside attacks into your network and alerts you via a pop-up window or email.

*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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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.



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