

Buffalo AirStation High Power

Turbo G High Power Wireless Cable/DSL Smart Router – WHR-HP-G54

The Buffalo AirStation Turbo G High Power Wireless Cable/DSL Smart Router combines the High Power wireless performance with Buffalo's AirStation One-Touch Secure System™ (AOSS™). Uniquely equipped with a built-in signal amplifier, the WHR-HP-G54 produces a true 60% increase in wireless transmit power over a standard 802.11g wireless router. WHR-HP-G54 extends the range of standard 802.11g client devices by up to 70% and improves overall performance by up to 50%. This Smart Router automatically detects and configures your Cable or DSL internet connection. Security features include WPA, WEP, Privacy Separator, Intrusion Detector, and SPI firewall. In addition to fast wireless performance, WHR-HP-G54 features a built-in external switch between wireless router and wireless access point modes. The combination of speed, security, and push-button setup of wireless connections and internet, makes the Buffalo AirStation Turbo G High Power Wireless Cable/DSL Smart Router the perfect choice for your wireless network.

up to 70% further!
up to 50% faster!
than a standard 802.11g Router



AirStation
 WHR-HP-G54

- Built-in Amplifier Improves Wireless Performance and Extends Range
- 802.11g Wireless 125* High-Speed Mode™ Transfer Rates When Used with 125* High-Speed Mode™ Adapter
- Simple Web Browser Configuration
- Supports WDS To Increase Coverage With Optional Repeater
- External Switch To Instantly Change Between Wireless Router and Wireless Access Point
- Easy Setup with AirStation One-Touch Secure System™ (AOSS™)
- Automatic Channel Support Selects Best Available Wireless Networking Channel
- Supports WPA-PSK (TKIP, AES) and 128/64-bit WEP Security
- Includes NAT and SPI Firewall and Intrusion Detector
- Dynamic Packet Filtering
- Built-in DHCP Server
- Built-in 10/100 4-Port Auto-Sensing Switch
- Optimized High-Speed Routing, up to 5 Times Faster than Standard Routers
- RP-SMA to MC coupler required for use with the WLE-DA2, WLE-HG-NDR and WLE-MYG antennas. Coupler not included.

2 Products in 1!

External Switch Quickly and Easily Changes Between Wireless Router and Wireless Access Point



Router Mode
 Shares a Cable or DSL connection with multiple wired and wireless devices.

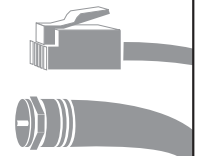


Access Point Mode
 Quickly adds wireless access to your existing local area network.

Smart Router

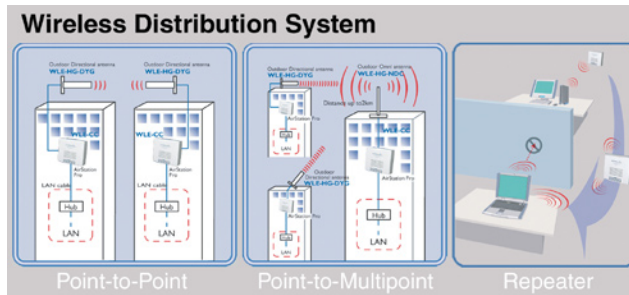
Automatically Sets Up Cable or DSL Connection.

Automatic Router Configuration makes installing your wireless router easier than ever. Plug your cable or DSL modem into the AirStation, then plug your computer into the AirStation or connect to the AirStation wirelessly and open your web browser.*



*Users with DSL PPPoE connections will have to enter PPPoE information on a wizard screen that automatically appears upon opening your browser.

The WHR-HP-G54 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 WHR-HP-G54 to wirelessly communicate with other AirStation Access Points and Routers that support WDS.



Technical Specifications

Turbo G High Power Wireless Cable/DSL Smart Router – WHR-HP-G54

Wireless LAN Interface

Standard Compliance	IEEE802.11b/IEEE802.11g
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), OFDM
Frequency Range	2,412 - 2,462 MHz (1-11 channel)
Transmission Rate	802.11g 125* High-Speed Mode: 13, 20, 27, 40, 54, 80, 110, 125 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Access Mode	Infrastructure mode, WDS
Security	WPA-PSK(AES, TKIP), 128/64-bit WEP, Wireless Power Output Setting, MAC Address Registration

Wired LAN Interface

Standards Compliance	IEEE802.3u(100 Base-TX) IEEE802.3(10 Base-T)
Transmission Rate	10/100 Mbps
Transmission Encoding	100 BASE-TX 4B5B/MLT-3
Method	10 Base-T Manchester Coding
Access Method	CSMA/CD
LAN Port	10/100 Mbps, Auto Sensing, Auto MDIX
Number of LAN Ports	4
WAN Port	10/100 Mbps, Auto Sensing, Auto MDIX High-Speed Routing to Support FTTH
Number of WAN Ports	1
WAN/LAN Port Connector	RJ-45
Security	Dynamic Packet Filtering, Intrusion Detector, NAT/SPI Firewall

Other

Power Supply	100-240V AC Universal, 50/60 Hz
Power Consumption	About 3.4 W (Max)
Dimensions	1.1 x 5.1 x 5.7 in. (28 x 130 x 144 mm)
Weight	9.5 oz. (270 g)
Operating Environment	0-40°C, 10-85% (non-condensing)

Related Products

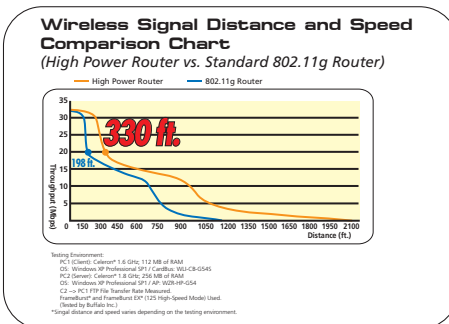
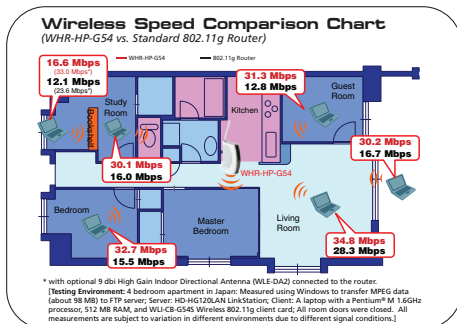
Repeaters: WLA2-G54C, WLA2-G54L

Client Adapters: WLI-CB-G54S*, WLI-CB-G54HP*, WLI2-PCI-G54S*, WLI2-CB-G54L, WLI-U2-KG54-AI, WLI3-TX1-G54, WLI2-USB2-G54

Recommended for Maximum Performance with 125 High-Speed Mode™

External Range Antennas: WLE-HG-NDR, WLE-DA2, WLE-MYG, WLE-HG-NDC, WLE-HG-DYG

Work and Play - Further and Faster!



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up to 50% faster!
than a standard 802.11g Router



AirStation
WHR-HP-G54

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.



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