

U.S. Robotics®

Model 8054 802.11g Wireless Turbo Router



Features and Benefits

Faster speed, greater compatibility, better security



Exclusive 100 Mbps Accelerator Technology

Includes Accelerator Technology. Send and receive data at performance levels equivalent to **100 Mbps*** – **all on a single channel** to ensure greater network capacity and the highest data throughput.

Greater 802.11g/b wireless compatibility

Maximize the speed you purchased – **greater 802.11g and 802.11b compatibility** allows each device to connect at the fastest speed possible!

Superior security

Up to **10 times more secure** than standard wireless networks! Your data is secure with advanced features:

- **Built-in 256-bit Wired Equivalent Privacy (WEP)** encryption
- **WPA (Wi-Fi Protected Access)** protects your privacy and important data from hackers†
- Built-in MAC address authentication
- 802.1x network authentication support

4 products in 1

This powerful wireless router is four products in one:

- 802.11g Wireless Turbo Access Point
- 4-Port Ethernet switch
- Router
- Advanced firewall

Access point

Provides seamless connectivity with both wired and wireless networks.

Greater range

Wirelessly network with 30% greater range and better area coverage than conventional 54 Mbps wireless products*.

Detachable antennas

Dual dipole antennas with reverse polarity SMA connectors easily detaches for upgrading/replacing for enhanced performance.

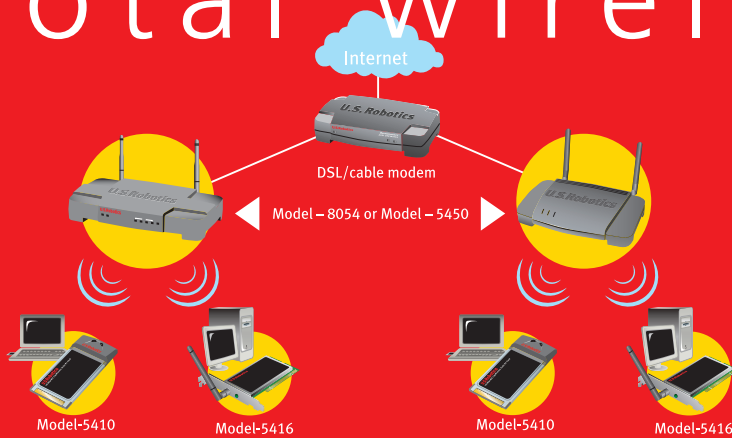
**COMPUTER
TRADE SHOPPER**

**SUPPLIER
EXCELLENCE
AWARDS 2003**

Best Networking Manufacturer

Ready. Set. Connect.™

Total wireless solution



U.S. Robotics 802.11g Wireless Turbo networking products offer a total solution. Our simple to install portfolio is sure to meet your particular networking needs.



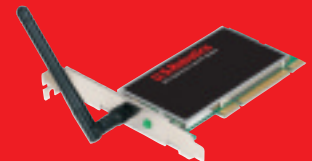
802.11g Wireless Turbo Router – Model 8054

- Ideal for sharing high-speed Internet access among multiple computers†
- Includes built-in MAC address authentication



802.11g Wireless Turbo Multi-Function Access Point – Model 5450

- Ideal for bridging wired and wireless networks
- Includes multiple operational modes for a customizable solution



802.11g Wireless Turbo PCI Adapter – Model 5416

- Ideal for desktop computers
- Detachable antenna is easily upgradable for enhanced performance



802.11g Wireless Turbo PC Card – Model 5410

- Ideal for laptop computers
- Low power consumption



Wireless Turbo USB Adapter – Model 1120

- Ideal for instant laptop or desktop wireless networking
- Small design – fits in your pocket

Standards and Specifications

- Integrated 54 Mbps 802.11g Wireless Turbo Access Point
- One RJ-45, 10/100 Mbps auto-sensing and auto-switching Ethernet WAN port
- Four RJ-45, 10/100 Mbps auto-sensing and auto-switching Ethernet LAN ports
- DHCP server (LAN) and client (WAN)
- Static and Dynamic IP addressing
- PPP over Ethernet (PPPoE) support
- Embedded PPTP Client
- VPN pass-through support for PPTP, L2TP, and IPSec
- DMZ host support

Security Features

- Integrated firewall
- 64/128/256-bit Wired Equivalent Privacy (WEP) encryption
- 802.1x network authentication support
- Wi-Fi Protected Access (WPA)†
- MAC address authentication (50 MAC addresses) and wireless association control

Modulation Types

- BPSK, QPSK, CCK, PBCC, and OFDM

Radio

- Complies with IEEE 802.11g 54 Mbps wireless standard

RF Output Power

- +16 ~ 18 dBm

Frequency Band

- 2400 ~ 2462 MHz FCC Regulations for North America
- 2400 ~ 2472 MHz for Europe

Operating Channels

- 11 channels for North America
- 13 channels for Europe

Radio Technology

- Direct Sequence Spread Spectrum (DSSS)

Data Rates

- 1, 2, 5.5, 6, 11, 12, 22, 24, 36, 48, 54 Mbps with auto-fallback*

Antenna Type

- Dual swivel dipole removable antennas with reverse polarity SMA connectors

Minimum System Requirements

- HTML configuration is supported by any computer that supports TCP/IP and HTML Web browser
- For Ethernet networking – computer with Ethernet adapter (Network Interface Card)
- CD-ROM drive

General Wireless Networking Requirements

- Internet access for Web sharing – active Internet connection and Internet Service Provider (ISP) account†
- For 100 Mbps wireless networking – computer with 100 Mbps 802.11g wireless adapter
- For 22 Mbps or 11 Mbps wireless networking – computer with 22 Mbps or 11 Mbps 802.11b wireless adapter

Regulatory/Agency Approvals

- FCC approved (Part 15 Class B)
- IC approved (RSS-210)
- UL/CUL listed
- CE®

Environmental Specifications

- Temperature Range
 - Operating: 32° - + 131° F (0° - +55° C) (Except RF output power and sensitivity)
 - Storage: -4° - + 158° F (-20° - +65° C)
- Humidity
 - Storage: 5% to 95% Non-condensing

Package Contents

- U.S. Robotics 802.11g Wireless Turbo Router
- Two removable swivel dipole antennas with reverse polarity SMA connector
- Power supply (UK & Euro connectors)
- Quick Installation Guide
- Installation CD-ROM

Package Dimensions/Weight

- Dimensions
 - Length 13.0 in. (33.0 cm)
 - Width 3.75 in. (9.52 cm)
 - Height 7 in. (17.78 cm)
- Weight
 - 1.4 lb (0.64 kg)

Product Dimensions/Weight

- Dimensions
 - Length 9.19 in. (23.34 cm)
 - Width 5.5 in. (13.98 cm)
 - Depth 1.7 in. (4.3 cm)
- Weight
 - 1.08 lb (0.49 kg)

Warranty

- Two-year limited manufacturer warranty from date of purchase

For details, see www.usr.com

Model Number

- 8054 – 802.11g Wireless Turbo Router



* Capable of data throughput rates equivalent to 100 Mbps performance. Actual performance may vary depending on operating environment and distance between networked computers.

† Wi-Fi Protected Access (WPA) will be supported upon ratification.

‡ Internet sharing requires a router. Some Internet Service Providers (ISPs) may have additional requirements, may not allow Internet sharing, and/or may charge additional service fees.

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