

# U.S. Robotics®

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



Networking



### 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

Use 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

##### 5 products in 1

This professional-grade access point is five products in one:

- Access Point – wireless base station
- Bridge – links two networks
- Multi-Bridge – links multiple networks
- Client – provides wireless access to any Ethernet device – great for gaming, Linux-based PCs, printers, etc.
- Repeater – extends the range of wireless networks

##### Professional-grade access point

Includes full SNMP management for network administration, configurable transmit/receive power control for the best possible coverage when multiple Access Points are used in a single network, and a powerful class-leading ARM9 processor for maximum data transfer in large, critical 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 detach for upgrading/replacing for enhanced performance.

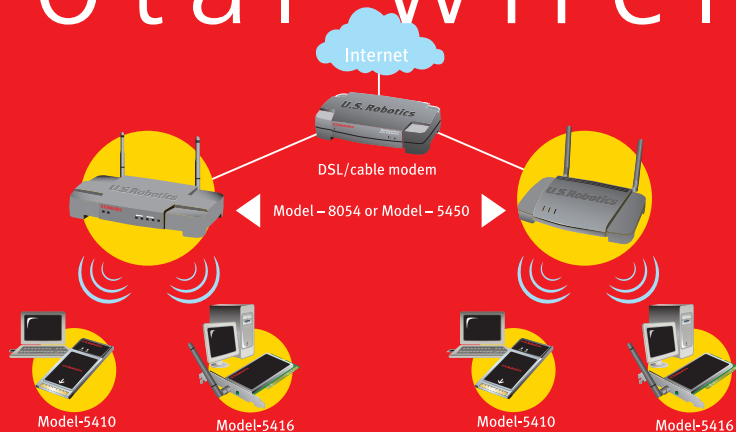
**COMPUTER  
TRADE SHOPPER**

**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

- One RJ-45, 10/100 Mbps auto-sensing and auto-switching Ethernet port
- Power over Ethernet (requires adapter kit)

### Configuration Methods

- Windows based AP utility
- Configurable by HTML
- Configurable by Telnet over serial port
- Advanced management SNMP

### Security Features

- 64/128/256-bit Wired Equivalent Privacy (WEP) encryption
- Disable broadcast SSID
- 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

- Configurable: 1, 5, 20, 30, 50, 100, and 150 mW

### 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

### Supported Modes

- Access Point
- Access Point Client
- Point to Point Bridge
- Multipoint Bridge
- Repeater Function

### Minimum System Requirements

- PC with Pentium processor or equivalent, 100 MHz or faster
- 64 MB RAM (or greater as recommended by your operating system)
- 500K available hard disk space for utility and driver installation
- HTML configuration is supported by any computer that supports TCP/IP and HTML Web browser

- AP utility requires Windows 98SE/Me/2000/XP operating system
- 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° - + 149° F (-20° - +65° C)
- Humidity
  - Storage: 5% to 95% Non-condensing

### Package Contents

- U.S. Robotics 802.11g Wireless Turbo Multi-Function Access Point
- 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 12.65 in. (32.15 cm)
  - Width 7.24 in. (18.4 cm)
  - Height 3.37 in. (8.58 cm)
- Weight
  - 2.16 lb (0.98 kg)

### Product Dimensions/Weight

- Dimensions
  - Length 4.3 in. (10.9 cm)
  - Width 7.1 in. (18.0 cm)
  - Height 1.7 in. (4.3 cm)
- Weight
  - 0.61 lb (0.27 kg)

### Warranty

- Two-year limited manufacturer warranty from date of purchase

For details, see [www.usr.com](http://www.usr.com)

### Model Number

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



\* 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.