

**U.S. Robotics®**

## **Model 8022**

22 Mbps Wireless Cable/DSL Router

**Faster speed, greater range,  
better security**

# Networking

Now my workstation is anywhere I want it to be –  
I'm mobile!



U.S. Robotics makes wireless networking easy. The U.S. Robotics 22 Mbps Wireless Cable/DSL Router installs in three simple steps.

Wireless convenience and ease of use means you can share your high-speed Internet connection across multiple computers – get everyone online at the same time\*.

The U.S. Robotics family of 22 Mbps wireless networking products provides double the transmission speed, greater range and coverage, and better security than existing 11 Mbps products†.

**Ready. Set. Connect.™**

## 22 Mbps Wireless Cable/DSL Router MODEL 8022

- Fast 22 Mbps wireless speed<sup>†</sup>
- Get everyone online at the same time\*
- Share cable, DSL, or dial-up Internet access among multiple PCs\*
- Built-in security protects against hackers
- Also works with all 11 Mbps 802.11b wireless products
- 4 products in 1
  - 2-Port Ethernet Switch
  - 22 Mbps Wireless Access Point
  - Router
  - Print Server<sup>‡</sup>

### Features & Benefits

**Twice as Fast** – The U.S. Robotics 22 Mbps wireless portfolio provides double the speed of existing 11 Mbps products<sup>†</sup>.

**802.11b 11 Mbps Compatibility** – Compatible with all IEEE 802.11b 11 Mbps wireless products – automatically adjusts to the fastest rate possible: 22 Mbps or 11 Mbps.

**Share Internet Access** – Send an e-mail, download an MP3, and get multiple users on the Internet from different computers in different rooms – all at the same time\*.

**Superior Range and Coverage** – U.S. Robotics 22 Mbps wireless networking products provide greater range and better coverage than traditional 11 Mbps products<sup>†</sup>.

**Work Through Walls Instead of Around Them** – Surf the Web from any room with any computer with wireless convenience. Move from desk to meeting room and stay connected – don't miss that important e-mail!

**Protects Against Hackers** – Integrated 64-, 128-, and NEW 256-bit Wired Equivalent Privacy (WEP) encryption and MAC address authentication offer better security over standard 11 Mbps products to protect your privacy and important data from hackers.

**Wired or Wireless** – Make any network a wireless network. The U.S. Robotics 22 Mbps Wireless Cable/DSL Router provides seamless connectivity with both wired and wireless networks.

**Simple 1-2-3 Installation** – Installation is quick and easy – no holes to drill or wires to trip over. The U.S. Robotics 22 Mbps Wireless Cable/DSL Router installs in three simple steps.

**Keeps You Online** – Stay online even if your cable or DSL service is interrupted – connect a dial-up modem for backup Internet access<sup>§</sup>.

**Total Wireless Solution** – U.S. Robotics offers a total wireless networking solution that includes wireless routers, wireless access points, wireless PCI adapters for desktop computers, and wireless PC cards for laptop computers. So whether you're starting off small or growing your network, U.S. Robotics has a solution that will fit your particular needs.

### Standards and Specifications

- Integrated 22 Mbps 802.11b wireless access point
- One RJ-45, 10/100 Mbps auto-sensing Ethernet WAN port
- Two RJ-45, 10/100 Mbps auto-sensing Ethernet LAN ports
- Parallel port connector for integrated print server<sup>†</sup>
- RS-232 port for backup analog or ISDN modem<sup>‡</sup>
- 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 and IPsec
- DMZ host support

#### Security Features

- Integrated firewall
- 64/128/256-bit Wired Equivalent Privacy (WEP) encryption
- MAC address authentication

#### Modulation Type

- PBCC, CCK, QFSK, and BPSK
- PBCC modulation for 22 Mbps speed

#### Radio

- Complies with IEEE 802.11b wireless standard

#### RF Output Power

- +10 ~ 14 dBm

#### Frequency Band

- 2400 ~ 2483.5 MHz

#### Operating Channels

- 11 channels for North America and South America
- 13 channels for Europe/ETSI

#### Radio Technology

- Direct Sequence Spread Spectrum (DSSS)

#### Data Rate

- 1, 2, 5.5, 11, 22 Mbps with auto fallback

#### Antenna Type

- Dual dipole removable antennas with SMA reverse polarity connectors

#### Minimum System Requirements

- For 22 Mbps wireless networking – computer with 22 Mbps 802.11b wireless adapter
- For 11 Mbps wireless networking – computer with 11 Mbps 802.11b wireless adapter
- For Ethernet networking – computer with Ethernet adapter (Network Interface Card)
- Internet access for Web sharing – active Internet connection and Internet Service Provider (ISP) account\*
- CD-ROM requires Windows 98/Me/2000/XP
- 500K available hard disk space for utility and driver installation on Windows-based PCs
- Print server requires a Windows operating system (Windows 98/Me/2000/XP)

#### Regulatory Agency Approvals

- FCC Part 15
- UL/CUL
- IC Approved
- CE Ⓢ

#### Package Contents

- U.S. Robotics 22 Mbps Wireless Cable/DSL Router
- Two antennae
- Power supply
- One Ethernet cable
- Quick Installation Guide
- Installation CD-ROM

#### Product Dimensions/Weight

- Dimensions
- Length 5.5 in. (13.97 cm)
- Width 9.2 in. (23.36 cm)
- Depth 6.75 in. (17.14 cm)
- Weight
- 1.08 lb (0.49 kg)

#### Warranty

- Two-year limited warranty from date of purchase

#### Model Number

- 8022 – 22 Mbps Wireless Cable/DSL Router



\* Some Internet Service Providers (ISPs) may have additional requirements, may not allow Internet sharing, and/or may charge additional service fees.

† Actual performance may vary depending on operating environment and distance between networked PCs.

‡ Print server feature only for Windows operating system (included on CD-ROM).

§ Requires ISDN or analog Internet service.