



## Wireless Broadband Router WR850G

### Wireless. Wired. Or Both.

#### With Motorola's Wireless Broadband Router, the choice is yours.

The latest in customized home or small office networking begins with Motorola's Wireless Broadband Router. It's the basis of an evolved network. That's because it's built with both an 802.11g wireless access point *and* a four-port Ethernet router. It's the best of both worlds, combined.

#### **BENEFITS:**

- Offers both wireless and wired connectivity
- Wirelessly supports data rates up to 54 Mbps to share information within the network<sup>1</sup>
- Expansive enough to accommodate everyone in your home or small office
- Supports a cable or DSL modem so everyone can share a single broadband connection
- Everyone can also share files, pictures, peripherals, a printer and more
- Gamers can play competitors on the network or online
- Roam almost anywhere up to 328 feet inside the home and up to 1312 feet outside
- Backwards compatible with 802.11b wireless networking equipment
- 24 x 7 technical support available over the Web or by phone

#### **FEATURES:**

- 802.11g wireless access point for wireless access
- Four-port 10/100Base-T Ethernet switch/router for wired local area network (LAN) connections
- One 10/100Base-T wide area network (WAN) port to connect either a cable modem or DSL modem
- Wireless security features include:
  - > Wi-Fi® Protected Access (WPA) with Temporal Key Integrity Protocol (TKIP) or Advanced Encryption Standard (AES)
  - > Legacy 64-bit and 128-bit Wired Equivalency Privacy (WEP) encryption
  - > 802.1X access control

- Allows remote connections through a Virtual Private Network (VPN) with Internet Protocol Security (IPSec) and Point-to-Point Tunneling Protocol (PPTP) pass-through support
- IP and MAC address filtering
- Includes an easy-to-use Installation Wizard as well as a Web-based user interface for easy set up

#### **WHAT'S INCLUDED:**

- Wireless Broadband Router
- Power adapter and cord
- Ethernet cable
- Quick Start Guide
- CD-ROM containing Installation Wizard and User Guide

#### **SYSTEM REQUIREMENTS:**

- Microsoft® Internet Explorer® 5.2 or Netscape® Navigator 6.2 or higher
- Broadband Internet access (cable, DSL or other) with Ethernet (RJ-45) port
- Each device on the wired network requires an Ethernet connection
- Each device on the wireless network requires an 802.11g or 802.11b wireless adapter (adapters sold separately)
- For easy installation:
  - > Use the included Installation Wizard or your Web browser for easy set up
  - > Your PC must support one of the following:
    - Windows® 98/98SE/Me/2000/XP Home or XP Professional for use of the Installation Wizard
    - > CD-ROM drive on your PC

# CONNECTEDMOTO

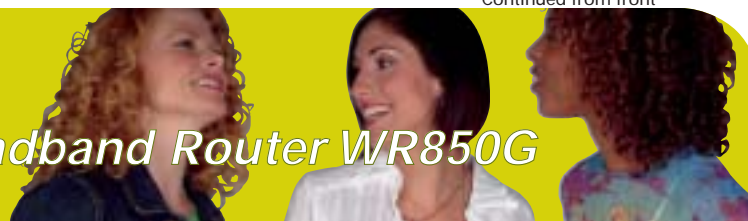
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### TECHNICAL SPECIFICATIONS

#### STANDARDS

IEEE 802.3; IEEE 802.3u; IEEE 802.11b  
Wi-Fi® Certified; WPA Certified; IEEE  
802.11g Wi-Fi® Certified

#### NETWORK PROTOCOLS

TCP/IP; UDP; NAT; DHCP; PPPoE; PPTP;  
DNS; HTTP; IPSec; VPN Pass-Through;  
TFTP; SMTP; Router supports both static  
and dynamic routing (RIPv1 and RIPv2)

#### PORTS

##### LAN

Four-port 10/100 Mbps Ethernet  
switch/router; RJ-45 connectors; Full/Half  
Duplex; Automatic cross-over/straight  
cable adaptation (Auto-MDIX)

##### WAN

One 10/100 Mbps Ethernet; RJ-45  
connector; Full/Half Duplex; Automatic  
cross-over/straight cable adaptation  
(Auto-MDIX)

#### WIRELESS DATA RATES

1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54  
Mbps with auto-fallback support

#### MODULATION

CCK, DQPSK, DPBCK, OFDM

#### RANGE

Maximum range: outdoor 1312 feet;  
indoor 328 feet

#### CHANNELS AND FREQUENCY RANGES

1-11 United States and Canada:  
2.4 to 2.4835 GHz

#### WIRELESS SECURITY

WPA with TKIP or AES encryption;  
Legacy 64-bit and 128-bit WEP  
encryption; 802.1X access control

#### POWER

100V AC to 240V AC, 50 – 60 Hz

#### INDICATORS

Power LED  
Modem LED  
Wireless LED  
LAN LED x 4

#### WIRELESS TRANSMIT POWER

Maximum Transmit Power: +15 dBm

#### PHYSICAL DIMENSIONS

5.95" (L) x 5.78" (W) x 0.98" (H)

#### WEIGHT

11.9 oz.

#### WARRANTY

Two-year limited warranty

### ENVIRONMENTAL SPECIFICATIONS

#### OPERATING TEMPERATURE

32° F to 104° F (0° C to 40° C)

#### STORAGE TEMPERATURE

-22° F to 176° F (-30° C to 80° C)

#### HUMIDITY

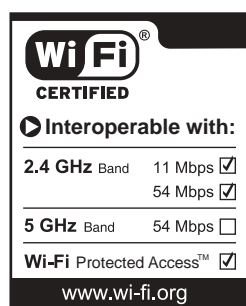
5% to 95% (non-condensing)

#### EMISSIONS

FCC Part 15 (Subpart B)

#### REGULATORY APPROVALS

802.11b Wi-Fi® Certified; 802.11g  
Wi-Fi® Certified; FCC Class B; CE;  
WPA Certified



<sup>1</sup> **A Word About Data Rates:** Data rate is the speed at which individual bits of data flow through a channel. It is not the same speed at which entire files are uploaded or downloaded. These speeds will vary, and are often less than the maximum data rate. Upload and download speeds are affected by several factors including, but not limited to: the capacity of and the services offered by your cable operator or broadband service provider, channel capacity, network traffic, computer equipment, type of server, number of connections to server, and availability of Internet router(s).

To view our full line of Broadband Networking Products,  
visit our Web site at [www.motorola.com/broadband/networking](http://www.motorola.com/broadband/networking)

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