



**Wireless  
Broadband Router**

**SMCWBR14-G2**  
Barricade™g 802.11g 54Mbps Wireless Router



**OVERVIEW**

The Barricade™ 802.11g 54Mbps Wireless Router (SMCWBR14-G2) is the perfect networking solution for the user that is looking for a simple, all-in-one home or small office network product.

This platform independent multi-functional router combines a 4-port 10/100 Mbps dual-speed switch with Automatic MDI-MDIX feature, and a high speed 54Mbps wireless access point with security features that include 802.1x for authentication, Wi-Fi Protected Access (WPA), MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP).

The SMCWBR14-G2 also includes a firewall with Stateful Packet Inspection, web-based network management and support for Virtual Private Network (VPN) pass-through for secure remote office connections.

Supporting NAT, the SMCWBR14-G2 can provide simultaneous Internet access for multiple PCs using a single purchased IP address.

Finally, installation is made simple and straightforward with the EZ 3-Click Installation Wizard utility.

FEATURES	BENEFITS
Share your Cable/DSL connection	Ability to connect to cable/xDSL modem for instant internet access. Allows a single broadband Internet connection to be used by multiple computers. Share files, printers, and other devices on a network.
EZ 3-Click Installation Wizard	A new and improved way to install your Wireless Barricade. In 3 simple clicks, you will be connected to the Internet.
802.11g/ 802.11b compliant High Speed Wireless LAN connection	The new Barricade G offers a high data rate that is up to 5 times faster than the 802.11b wireless LAN and is backward compatible with existing 802.11b network devices.
4-port 10/100 Mbps Auto MDI-MDIX switch and one fixed antenna	Multi-port auto-sensing switch for integration to your wired LAN with Auto MDI-MDIX support. No need for the use of crossover cable.
Stateful Packet Inspection (SPI) Firewall	Robust Stateful Packet Inspection firewall provides a high level of security against Denial of Service (DoS) attacks. The SPI firewall analyzes each individual data packet as it passes through SMCWBR14-G2 and ensures that only authorized packets can access the local network.
Access Control and URL Blocking	Access Control based on a predefined-scheduled time, IP address filtering, and Mac Address Filtering. Parental control to protect your family with URL blocking capability. Provides secure data transmissions across the network.



## TECHNICAL SPECIFICATIONS

## SMCWBR14-G2

### STANDARDS

- IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g

### WAN INTERFACE

- 10BASE-T/100BASE-TX

### LAN INTERFACES

- Four 10/100Mbps auto MDI/MDIX RJ-45 ports

### DATA RATES

- 1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps with Automatic Fallback

### FREQUENCY BAND

- IEEE 802.11b/g Radio: 2.4 GHz
- USA - FCC 2412~2462MHz (Ch1~Ch11)
- Canada - IC 2412~2462MHz (Ch1~Ch11)
- Europe - ETSI 2412~2472MHz (Ch1~Ch13)
- Japan - STD-T66/STD 332412~2484MHz (Ch1~Ch14)

### MODULATION TYPE

- OFDM, CCK
- Operating Channels
  - 11 channels (US, Canada)
  - 13 channels (ETSI)
  - 14 channels (Japan)

### ANTENNA TYPE

- Fixed dipole antenna

### ANTENNA GAIN

- 2 dBi

### SENSITIVITY MODULATION RATE

- Modulation Rate Receive Sensitivity Typical (dBm)
  - 802.11b - 1Mbps -90
  - 802.11b - 2Mbps -88
  - 802.11b - 5.5Mbps -85
  - 802.11b - 11Mbps -82
  - 802.11g - 6Mbps -88
  - 802.11g - 9Mbps -87
  - 802.11g - 12Mbps -84
  - 802.11g - 18Mbps -82
  - 802.11g - 24Mbps -79
  - 802.11g - 36Mbps -75
  - 802.11g - 48Mbps -68
  - 802.11g - 54Mbps -68

### RF OUTPUT POWER

- Modulation Rate Output Power 15 dBm ± 2dB

### MANAGEMENT

- Web based management interface
- EZ Installation Wizard

### ADVANCED FEATURES

- DHCP Server
- DNS Proxy / Relay
- 64/128 bit WEP encryption
- WPA/WPA2 Pre-Shared Key (PSK) & Enterprise mode (IEEE802.1x)
- SSID broadcast disabled, MAC address filtering
- Firewall - SPI, Access Control, Event Logging
- Intrusion Detection, email Alerts, Parental Control
- Virtual Server via NAT
- VPN pass-through (IPSec-ESP Tunnel mode, L2TP, PPTP)
- Wireless Distribution System (WDS)
- DDNS, UPnP, Port Forwarding

### INDICATOR PANEL

- Power, WLAN, WAN (Link, Activity), LAN (Link/Activity, Speed - 10/100 Mbps)

### DIMENSIONS

- 119 x 108 x 28 mm
- 4.68 x 4.25 x 1.1 in

### WEIGHT

- 410 g
- 14.46 oz

### INPUT POWER

- 9V, 1A

### POWER CONSUMPTION

- 5 Watts max. @ 100-240 VAC

### TEMPERATURE

- Operating 0 to 40°C
- 32° to 104°F
- Storage -40° to 70°C
- -40° to 158°F

### HUMIDITY

- 5% to 95% (non-condensing)

### COMPLIANCES

- CE Mark

### EMISSIONS

- FCC Class B
- Industry Canada Class B
- EN55022 (CISPR 22) Class B
- C-Tick

### WARRANTY

- Limited Lifetime

## Contact

### North America

20 Mason  
Irvine, CA 92618  
1-800-SMC-4YOU  
24/7 Technical Support

### Europe / Africa

Fructuos Gelabert 6-8  
08970 Sant Joan Despí  
Barcelona, Spain

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