

SpeedStream® Powerline Wireless DSL/Cable Router



The triple technology gateway to the connected home.

WIRES IN THE WALLS SIMPLICITY

Powerline transforms the AC power wiring already throughout your home into a robust, high-performance broadband network. There are no cables to run and no wireless signal falloff. If you've got an AC outlet, you can plug in a network node. Advanced, HomePlug 1.0-compliant technology lets your digital data and your electric appliances safely and reliably co-exist—and ensures full compatibility with future HomePlug-compliant devices.

POWERLINE SIMPLICITY, WIRELESS FREEDOM, ETHERNET SPEED

Attach to any broadband connection and get three technologies that provide the ultimate in networking flexibility, power, and performance. Powerline brings plug-in and play ease to high-speed networking at up to 14 Mbps*. Built-in 802.11b wireless support ensures 802.11b wireless access to your Powerline network at up to 11 Mbps.* Finally, four switched ports provide full 10/100 Ethernet bandwidth.

DUAL-LEVEL NETWORK SECURITY

The SpeedStream Powerline Wireless DSL/Cable Router features 128-bit WEP encryption on all wireless data and goes beyond WEP with a whole new level of wired security. All network traffic passing through Powerline from wireless or Ethernet is further secured with HomePlug 1.0, 56-bit DES encryption. This robust, dual-level security helps ensure Internet traffic, e-mail, and other data remain protected and private.

SpeedStream 6 dBi Wireless Directional Antenna (Model SS2206)

Where enhanced signal strength and expanded network coverage are needed, connect the (optional) SpeedStream 6 dBi Antenna for more "room to roam".



Powerline Wireless DSL/Cable Router

The SpeedStream® Powerline Wireless DSL/Cable Router is like a universal networking toolkit, combining the three most popular technologies into one, easy to configure, home networking powerhouse. Attached to an existing DSL or cable modem, this affordable broadband connection sharing solution brings the simplicity of Powerline, the freedom of wireless, and the raw speed of Ethernet connectivity to home and SOHO networks.

The SpeedStream® Powerline Wireless DSL/Cable Router's comprehensive functionality provides vital firewall protection, IP sharing capabilities, and fundamental routing features to each connected device, no matter the network interface. An intuitive, browser-based interface makes it easy to configure network access control, while application-aware NAT tunneling permits use of important applications such as video and IP telephony.

Available Speedstream® Powerline, Wireless, or Ethernet interfaces flexibly connect almost any desktop or laptop PC to any selected network configuration. Choose one technology or mix and match all three, since they work beautifully together.

Get a SpeedStream® Powerline Wireless DSL/Cable Router and bring choice to your broadband life!

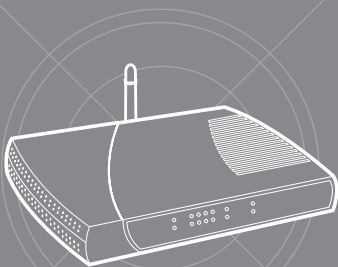
SpeedStream® Powerline Wireless DSL/Cable Router

Features and Benefits

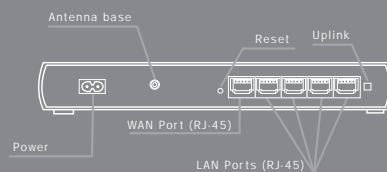
- Uses the existing power wiring built into your walls. No new wires to run!
- Provides instant Powerline networking at up to 14 Mbps data rate*
- Supports full 802.11b-compliant wireless connectivity at up to 11 Mbps*
- Four 10/100 Switched Ethernet Ports— each supports full 10/100 bandwidth
- Blends the simplicity of Powerline, the freedom of wireless, and the raw performance of Ethernet
- Easily integrates with other manufacturers' HomePlug 1.0-compliant products and 802.11b-compliant wireless products
- Built-in Firewall— Protects home/SOHO networks from unwanted access
- Protects sensitive network data with strong WEP and 56-bit DES encryption
- Lets several PCs share a single broadband DSL or cable connection
- VPN pass-through allows secure remote access to corporate LANs
- SpeedStream Browser-based configuration wizard guides set-up and operation
- Fully compatible with the SpeedStream 6 dBi Wireless Directional Antenna (Model SS2206)

*14 Mbps is the maximum HomePlug 1.0 Powerline network data rate. Maximum 802.11b wireless data rate is 11 Mbps. Actual data rates will vary and may be less than maximum possible speeds.

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Model SS2524

To learn more about the SpeedStream® Powerline Routers visit:
www.speedstream.com

Technical Specifications

Power: AC line powered; 120VAC, 60Hz, 0.12A

Media Interfaces:

- (1)10/100 Mbps RJ-45 WAN port
- (4)10/100 Switched RJ-45 LAN ports
- (1) 802.11b WLAN
- (1) Corded NEMA 1-15P Std.2-prong AC plug for Powerline LAN and unit power

Router Functions:

DHCP Server, DHCP Client, DNS, DDNS, and NAT (Network Address Translation)
Supports VPN Tunneling via L2TP, PPTP, and IPSec pass-through

Protocols: TCP/IP, UDP, UPnP, RIPv1, and PPPoE

Security: 56bit DES (Powerline), 64/128bit WEP (Wireless), Stateful Inspection (SPI) Firewall.

Diagnostic LEDs: Power, Status, LAN (Link/Activity/100Mbps - port 1-4), WAN, Wireless, and Powerline

Wireless Data Rate: 11, 5.5, 2, 1 Mbps with Automatic Fallback;

Wireless Frequency Band: ISM band; 2.4 to 2.4835 GHz (for US, Canada)

Radio Technology: Direct Sequence Spread Spectrum (DSSS)

Wireless Modulation: CCK (11 Mbps, 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)

Wireless Operating Channels: IEEE 802.11b compliant; 11 channels (for US, Canada)

Wireless Receive Sensitivity:

Min. -76 dBm for 11Mbps @BER 10E-5

Max. -80 dBm for 5.5/2/1 Mbps @BER 10E-5

Antenna: Detachable; Reverse SMA connector

Powerline Modulation:

OFDM symbol modulation; DQPSK; DBPSK; ROBO carrier modulation

Powerline Frequency Band: 4.3 MHz –20.9 MHz

Network Data Rate:

Powerline data rate up to 14 Mbps*

802.11b wireless data rate up to 11 Mbps*

10/100 Mbps Ethernet*

Standards:

IEEE 802.3 (10BaseT), IEEE 802.3u (100BaseTX), IEEE 802.11b (Wireless), HomePlug 1.0 (Powerline)

Certifications: FCC Part 15 Class B, UL, and HomePlug 1.0

Warranty:

1 year parts and labor for hardware; Additional year available with product registration

System Requirements:

- An available 110 VAC outlet
- Broadband Connection (DSL, Cable, Satellite) with RJ-45 Ethernet connection. (For connection sharing)
- Powerline adapter, 802.11b wireless adapter, or Ethernet connection for each PC

Compatible OS: Web browser based interface; Configure with Internet Explorer or Netscape, versions 4.0 or higher

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