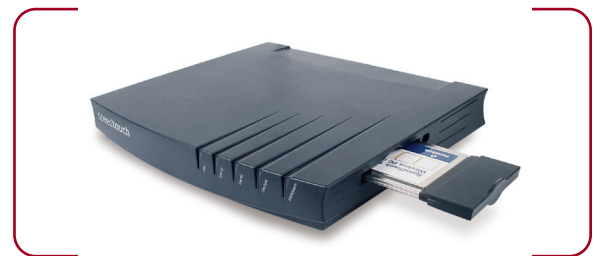


SpeedTouch™ 545/545i

Residential ADSL Gateway with Wireless Upgrade Option



SpeedTouch 545/545i



Cut the wire. Keep the speed.

If you are looking for a high-quality networking solution which offers secure, reliable communication in a flexible yet compact unit, take a closer look at the SpeedTouch 545. The combination of ADSL with a 10/100 Mb/s 4-port switch makes the SpeedTouch 545 the ideal product for home and small business networks.

Flexibility

The SpeedTouch 545 provides the ability to share an ADSL connection across your LAN, together with the option to extend the network into the wireless domain for ultimate location independence.

With an integrated 10/100 Mb/s 4-port switch, Ethernet networks can be extended without an additional hub or switch. And when the wired network is no longer enough, the simple insertion of a PC card instantly upgrades the SpeedTouch 545 to a full featured ADSL wireless access point, offering seamless connection of both wired and wireless devices from anywhere in the home.

Performance

At the heart of the device is a customised routing engine which delivers searing packet performance, whilst incorporating advanced NAT, DHCP, and UPnP functions, making it the ideal device for all multimedia and gaming applications.

Security

This ADSL residential gateway has a built-in firewall that protects all PCs and Internet devices which are connected to the ADSL connection from all unauthorized access.

This powerful firewall can be configured by end-users, equipment retailers, or service providers for a broad range of security policies and requirements.

Two additional key security features are provided for the wireless network: WEP encryption of wireless communications, and a secure registration button, which gives users the opportunity to explicitly control device access to the wireless network.

Ease of use

With the advanced installation wizard, you are only ever a few clicks away from the Internet. Just connect your PC, laptop, or multimedia Internet device to the modem over Ethernet or wireless, and you are ready to go.

The key requirement for any wired or wireless network is ease of use, and the SpeedTouch 545 is equipped with an intuitive user interface which means that set up and configuration of the network is effortless. And extending your LAN to wireless is as easy as plugging in a PC card.

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Technical summary

▶ Hardware specifications

- Interfaces:
 - Wireless: compliant with IEEE 802.11b HR 11Mb/s
 - LAN: 4-port Ethernet (10/100BaseT HD/FD)
 - WAN: ADSL line (RJ11) for ADSL/POTS and ADSL/ISDN
- Dimensions: 210 x 185 x 35 mm (8.27 x 7.29 x 1.38 in.)
- Temperature: 0° to 40° C (32° to 105° F)
- Humidity: 20% to 80%
- AC voltage: 100 to 120 V, 220 to 240 V
- Frequency: 50/60 Hz
- PC card slot for wireless card upgrade

▶ ADSL modem specifications

- ADSL (ANSI, ETSI, G.dmt for POTS and ISDN, G.lite and G.hs (automode and selection))
- Up to 8 Mb/s downstream for POTS and ISDN, 832 kb/s upstream for POTS and 640 kb/s upstream for ISDN

▶ Wireless specifications

(with SpeedTouch 010 - Wireless PC Card fitted)

- Wireless connection of one or more computers
- Typical indoor coverage: 60 m
- 64/128 bit WEP encryption
- Manual/auto channel selection
- Dynamic rate switching (11;5.5;2;1 Mb/s)

▶ Security

- Embedded firewall
- 64/128bit WEP encryption
- Access control capability
- Wireless client registration with physical push button

▶ Services

- Bridging
- IP routing
- NAT, DHCP, DNS
- Embedded firewall
- WAN protocol model:
 - Routed PPPoE/PPPoA
 - Relayed PPPoA and DHCP-to-PPP Spoofing
 - Bridged Ethernet/Routed Ethernet
 - Classical IPoA
- UPnP Internet gateway device including NAT traversal

▶ Management

- Easy installation (OS independent)
- User-friendly web interface
- Telnet access to router
- Remote and host software download capability (web/HTTP, FTP)
- DHCP server and client, DHCP-to-PPP spoofing
- DNS server and relay

▶ Certifications

- CE marking and FCC, UL-listed
- Radio regulations (license-free):
 - US: FCC part 15.247, 15.205, 15.209
 - Europe: ETS 300 328
- Wi-Fi interoperability certification by WECA

▶ Content of the box

- SpeedTouch 545 or 545i
- Ethernet cable (RJ45)
- Telephone cable (RJ11)
- Cable filter (optional)
- Power adapter (15V)
- Quick installation guide
- Wall mounting, screws and plugs



SpeedTouch 545/545i

▶ For more information: www.speedtouch.com

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Product specifications subject to change without prior notice.