



# SpeedTouch™ 510 / 510i

## Multi-user ADSL gateway

### Rapid access for all

Using the Internet can be frustrating if you have a slow response time, especially when you have several PCs connecting simultaneously. But not anymore. Surfing takes on a whole new dimension with the SpeedTouch 510 – and with the SpeedTouch 510i designed especially for ADSL over ISDN. Powerful tools for residential users, the new SpeedTouch 510 and 510i are also perfect for small and home offices (SOHO): they're the ideal solution for multi-PC users, regardless of configuration or location. If you're looking for a bandwidth builder, take a closer look at the SpeedTouch 510/510i.

### Easy installation

With the SpeedTouch 510/510i, a new standard has been set, it installs with unprecedented ease.

You're only five clicks away from the Internet. Just connect your PC, laptop, or local area network to the modem over an Ethernet interface and you are ready to go. An advanced setup wizard guides you through the installation process.

As the gateway comes with an integrated PPP-client, no additional software needs to be installed on the computer.

### Home networking

This gateway is the ideal solution for residential users and for small and home offices where there is an urgent need to share ADSL access, along with family members or colleagues.

Residential users will especially appreciate the fact that PCs, game consoles, PDAs\* and other devices can instantly connect to the Internet through a single high-speed ADSL point of access.

Connecting your LAN to the Internet is a snap thanks to an integrated 4-port Ethernet switch that allows you to connect four PCs directly, without requiring an extra hub.

### Security

This ADSL residential gateway has a built-in firewall that denies unauthorized access to all PCs and Internet devices hooked up to the user's broadband ADSL connection.

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

Attacks are stopped in the gateway and will not reach the devices. With the SpeedTouch 510/510i, you'll be secure 24/7.

\* settopboxes



Built for excellence

speedtouch™



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### Technical summary

#### Hardware specifications

- Interfaces:
  - LAN:
    - 10/100Base-T (RJ45)
    - MDI/MDI-x autosensing
    - either 1 Ethernet port or a 4-port Ethernet switch
  - WAN:
    - ADSL line (RJ11) for ADSL/POTS or ADSL/ISDN
- Dimensions: 33 x 153 x 180 mm  
(1.30 x 6.02 x 7.09 in.)
- Temperature: 0° to 40° C (32 to 105 F)
- Humidity: 20% to 80%
- AC voltage: 100 to 120, 220 to 240 V
- Frequency: 50/60 Hz

#### 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

#### Multi-user Router

- ATM
  - Extensive multi-PVC ATM Quality of Service (UBR, CBR, VBR-rt, VBR-nrt)
  - DSLForum TR-37 autoconfiguration
- Bridging
  - self learning bridge at wire speed
- IP Routing
  - UPnP certified Internet Gateway Device, enabling major conferencing and gaming technologies
  - IPsec passthrough from multiple LAN clients, enabling secure homeworking
  - Supports PPPoE, PPPoA, IPoA, CIP, ETHoA
  - DNS server and relay, DHCP server and relay

- Network Address Translation for connection sharing, including support for SIP, H.323, Realaudio, ftp, irc, IKE, IPsec-ESP, Jabber, ILS, ...
- Simultaneous bridging and routing of PPPoE connections, enabling network based VPN's

#### Management

- OS independent on the Ethernet interface
- Easy set-up wizard
- Advanced Management via telnet, http, snmp, event log
- Integrated firewall
- Easy SW upgrade wizard
- Support For Dr SpeedTouch

#### Content of the box

- SpeedTouch 510 or 510i
- Ethernet cable (RJ45)
- Telephone cable (RJ11)
- Cable filter (optional)
- Power adapter
- Quick installation guide
- SpeedTouch set-up CD-ROM

**For more information:** [www.speedtouch.com](http://www.speedtouch.com)

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