

## SpeedTouch™ 580/580i Wireless Multi-User ADSL Gateway



SpeedTouch 580/580i



With the SpeedTouch 580(i), users can experience wireless freedom at lightning-fast speeds. The SpeedTouch 580(i) is an 802.11g wireless LAN access point with integrated ADSL. Featuring an integrated 10/100Mb/s 4-port switch and USB port, the SpeedTouch 580(i) offers seamless connection of wired and wireless worlds from anywhere in the home.

The SpeedTouch 580(i) lets you share files, printers, and a single broadband ADSL Internet connection with unmatched performance and security, whilst preserving the flexibility and features of a fully fledged professional routing engine. The ADSL technology used allows software upgrade to ADSL2.

The new standard in wireless, 802.11g, gives you speed, security, and performance. When you're using 802.11g components, you can transfer data at up to 54Mb/s (five times the speed of older 802.11b wireless networks), and you can still connect to existing 802.11b products.

The SpeedTouch 580(i) also supports powerful security mechanisms such as Wi-Fi Protected Access™ (WPA), Wired Equivalent Privacy (WEP) encryption, and a physical user registration button, which allow users to communicate and access data with efficient link quality and the highest level of network security.

And, using our unique Wireless Home Install Wizard, configuring your broadband-connected wireless home is effortless!

# SpeedTouch™ 580/580i

## Wireless Multi-User ADSL Gateway



### 54Mb/s data rate with Wi-Fi certification

The SpeedTouch 580(i) is based on the 2.4GHz IEEE 802.11g wireless standard. Wi-Fi certification ensures that the SpeedTouch 580(i) will interoperate with any Wi-Fi IEEE 802.11g and IEEE 802.11b compliant wireless device. A built-in ADSL modem provides always-on broadband Internet connectivity and multi-user access sharing at speeds over 100 times faster than dial-up. The SpeedTouch 580(i) distributes MP3s, digital movies and photos to wired or wireless devices with ultra-fast 10/100 switched LAN ports. It also supports WDS (Wireless Distribution System), enabling packets to pass from one wireless access point to another, just as if the access points were ports on a wired Ethernet switch.

### Powerful Network Security

The SpeedTouch 580(i) supports the Wi-Fi Protected Access (WPA) standard for user authentication and data encryption over the wireless LAN.

Two additional key security features are provided for the wireless network: WEP encryption of the wireless communications (for secure communication with legacy 802.11b clients), and a secure registration button, which gives users the opportunity to explicitly control access to the wireless network.

Additionally, the SpeedTouch 580(i) has a built-in firewall that protects all PCs and Internet devices that 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.

### Easy to Install

The Wireless Home Install Wizard takes the magic out of installing a wireless home network, making broadband wireless technology accessible to all.

The Wireless Home Install Wizard simplifies the installation of your entire home network package, including the ADSL connection, to three simple steps:

- Connect your SpeedTouch 580(i) to the phone line
- Plug in your SpeedTouch wireless client to your PC/laptop
- Run the Wireless Home Install Wizard on the PC

The only information you need to provide is your service provider details (username/password) and a network configuration key (printed on the base of the SpeedTouch 580(i)), and the Wireless Home Install Wizard does the rest. Setting up a secured home network now takes a matter of minutes.

### Easy-to use

The SpeedTouch 580(i) has Universal Plug and Play (UPnP™) and a powerful NAT engine, which means it is ideal for playing Internet games, sending instant messages, and hosting Internet services.

Additionally, the intuitive web-based configuration wizard allows users to manage the more advanced features of the device (e.g. NAT/PAT, firewall, DHCP, DNS, etc.) with unprecedented ease.

### Robust Wireless Connections for Home and Office

The wireless receiver of the SpeedTouch 580(i), with its optimised antenna design, provides omni directional wireless coverage throughout your home or office. This allows users to share network resources and equipment with robust, high data rate links.

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### Technical summary

#### ▶ Hardware specifications

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- Interfaces
  - Wireless LAN: IEEE 802.11g Wi-Fi compliant
  - LAN
    - 4 x Ethernet (RJ45) ports (10/100BaseT HD/FD)
    - USB 1.1 slave port
  - WAN
    - ADSL (RJ11) for ADSL/POTS and ADSL/ISDN
  - LED indicators for all interface ports
- Housing
  - Dimensions
    - 195 x 136 x 30 mm
  - Stand up- lie down design
- Temperature
  - 0-40 C (32-105F)
- Humidity
  - 20% to 80%
- AC Voltage
  - 100-120VAC/220-240VAC, 50-60Hz
- Power Supply
  - 15VAC @ 1A Plug localised to country of sale

#### ▶ ADSL Modem Specifications

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- ADSL (ANSI, ETSI T1.413, G.dmt Annex A/B (POTS/ISDN), G.lite and G.hs)
- Software upgradeable to ADSL2

#### ▶ Wireless Performance

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- Typical Indoor coverage: 60m
- Dynamic rate switching
- Manual/auto channel selection
- Manual/auto selection of pure 802.11g/mixed mode (802.11b/g) network
- Performance optimisation for ADSL traffic profile
- Wireless Distribution System (WDS)

#### ▶ Security

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- Integrated Firewall
- 802.1x/PSK WPA (WPA-PSK)
- 64/128bit WEP encryption
- Wireless client registration/access control (with physical push button)

#### ▶ Services

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- UPnP support
  - enables game technologies (PS2, Xbox live, DirectPlay, ...)
  - enables conferencing functions of Microsoft Messenger
- Transparent bridging
- PPPoE routing/Bridging
- PPPoA routing, PPPoA to PPTP relaying
- Classical IP and IP routing
- NAT/PAT, DHCP, DNS, firewall
- ETHoA
- Mac encapsulated routing

# SpeedTouch™ 580/580i

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### Technical summary

#### ► Supported Languages

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English, French, Spanish, Italian, German, Dutch, Portuguese, Swedish

#### ► Management

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- Easy installation (OS independent)
- Wireless Home Install Wizard support
- Intuitive web interface
- Integrated Firewall
- Advanced management via telnet, http, snmp, event log
- Host software download
- DHCP server and relay, DHCP-to-PPP spoofing
- DNS server and relay

#### ► Certifications

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- CE, FCC, UL
- Radio regulations:
  - US: FCC part 15.247, 15.205, 15.209
  - Europe: ETS 300 328
- Wi-Fi interoperability certification by WECA

#### ► Content of the box

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- SpeedTouch 580/580i
- Installation CD (Wireless Home Install Wizard)
- Ethernet cable (RJ45)
- Telephone cable (RJ11)
- USB cable
- Cable filters (optional)
- Power Adaptor (15VAC)
- Quick Installation Guide
- Wall mounting screws and plugs
- Stand for vertical use (optional)

#### ► Related products

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- 802.11g:
  - SpeedTouch 110g: Wireless PC Card
  - SpeedTouch 120g: Wireless USB Client
  - SpeedTouch 180 : Wireless Ethernet Bridge
- 802.11b:
  - SpeedTouch 110: Wireless PC Card
  - SpeedTouch 120: Wireless USB Client
  - SpeedTouch 170: Wireless Access Point



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

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