



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for THOMSON SPEED TOUCH 585. You'll find the answers to all your questions on the THOMSON SPEED TOUCH 585 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual THOMSON SPEED TOUCH 585
User guide THOMSON SPEED TOUCH 585
Operating instructions THOMSON SPEED TOUCH 585
Instructions for use THOMSON SPEED TOUCH 585
Instruction manual THOMSON SPEED TOUCH 585

The image shows the front cover of the 'User's Guide' for the Thomson SpeedTouch 585 v6. The cover features a red and white color scheme. At the top right, the 'speedtouch™' logo is displayed. Below it, the product name 'SpeedTouch™585(v6)' is written in a bold, dark font, followed by the description 'Wireless Residential ADSL Gateway'. Underneath, there are four colored squares (yellow, red, yellow, white) and the text 'User's Guide'. In the center, a photograph of the blue wireless router is shown, with 'Release R5.3' written above it. At the bottom left, there are logos for 'WiFi CERTIFIED' and 'UPnP'. At the bottom right, it says 'A THOMSON BRAND'.



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Manual abstract:

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For suggestions regarding this document, please contact documentation.speedtouch@thomson.net. For more information on THOMSON's latest technological innovations, documents and software releases, visit us at: www.speedtouch.com

Documentation and software updates E-DOC-CTC-20050429-0103 v2.0 1 About this User's Guide 2 E-DOC-CTC-20050429-0103 v2.0 Chapter 1 Your SpeedTouchTM 1 Your SpeedTouchTM Introduction With the SpeedTouchTM585(v6)(i) Wireless Residential ADSL Gateway you can build a secure home or small office network, seamlessly connecting wired and wireless devices and surf the Internet at high speed, all combined in one device. For more information on how to set up your SpeedTouchTM, installation and wiring and how to do a first Internet connection setup, refer to the provided Installation and Setup Guide. This User's Guide will assist you in configuring your SpeedTouchTM.

Before connecting the SpeedTouchTM, please read the SpeedTouchTM Quick Installation Guide and the Safety Instructions and Regularity Notices. Installation Contents Safety instructions E-DOC-CTC-20050429-0103 v2.0 3 Chapter 1 Your SpeedTouchTM 1.1 SpeedTouchTM Features Introduction Your SpeedTouchTM offers you a wide range of outstanding features. In this section you will find a comprehensive overview of their active Power off Flashing On Ethernet activity Ethernet connection, no activity No Ethernet connection Flashing On Wireless activity, WPA encryption No wireless activity, WPA encryption Wireless activity, WEP encryption No wireless activity, WEP encryption Wireless activity, no security No wireless activity, no security WLAN disabled Flashing On Pending DSL line synchronisation DSL line synchronised No DSL line Ethernet Green Off WLAN Green Amber Flashing On Red Flashing On Off DSL Green Off 8 E-DOC-CTC-20050429-0103 v2.0 Chapter 1 Your SpeedTouchTM Indicator Name Internet Description Colour Green State Flashing On Internet activity Internet connectivity, no activity Internet connection setup failed No Internet connection Red Off On Ethernet LEDs A LED may be provided per Ethernet port to indicate link integrity (or activity). Depending on the SpeedTouchTM product you are using, a second LED (A) may be provided to indicate the 10/100Base-T selection: A B Indicator Name A (Optional) Integrity (Activity) Description LED Status Off On Flashing No connection on this port Ethernet link up Data is flowing from/to this port 10Base-T Ethernet connection 100Base-T Ethernet connection B 10/100Base-T Off On E-DOC-CTC-20050429-0103 v2.



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ftp> Quote site command All the CLI commands can be executed from within an FTP session. Only complete CLI commands (in other words, the complete command syntax with all the parameters already specified) can be executed.

*Example: To execute the CLI command :ip iplist to list all IP addresses currently assigned to SpeedTouch™ interfaces: At the FTP prompt type `quote site ip iplist' and press Enter. ftp> quote site ip iplist 200- 2 LocalNetwork Ethernet 10.0.0.138 200- 2 LocalNetwork Ethernet *192.168.1.254 200- 1 Internet Serial 81.240.198.*

191 200- 0 loop Internal 127.0.0.1 200200 CLI command "ip iplist" executed ftp> Point-to-point/Mask 255.255.255.0 255.255.255.0 81.

240.198.1 255.255.255.255 For more information on CLI commands, see the SpeedTouch™ CLI Reference Guide. 16 E-DOC-CTC-20050429-0103 v2.0 Chapter 1 Your SpeedTouch™ 1.3.4 Remote Assistance Remote access You can make your SpeedTouch accessible from the Internet with regard to remote support.

This way, you can allow your helpdesk to access your SpeedTouch™ remotely. To enable remote assistance: Enabling remote access 1 2 3 4 Go to the SpeedTouch™ pages, as described in "1.3.1 Access via the Web Interface" on page 11. In the menu select Toolbox > Remote Assistance. Click Enable Remote Assistance. Provide the following parameters to your helpdesk: URL (the HTTPs link) User name Password 5 Your ISP is now able to access your SpeedTouch™ via the secure HTTPs link in combination with the provided certificate (a secure authentication mechanism). For security reasons, after 20 minutes of inactivity, or on reboot, Remote Assistance will be automatically disabled. Disabling remote access To disable remote assistance: 1 2 3 Go to the SpeedTouch™ pages, as described in "1.3.

1 Access via the Web Interface" on page 11. In the menu select Toolbox > Remote Assistance. Click Disable Remote Assistance. E-DOC-CTC-20050429-0103 v2.0 17 Chapter 1 Your SpeedTouch™ 18 E-DOC-CTC-20050429-0103 v2.

0 Chapter 2 Local Network Setup 2 Local Network Setup Introduction The SpeedTouch™ offers you following local networking solutions: Wired Ethernet Wireless Ethernet Device settings Once you've connected a device, you are able to personalise its settings: 1 2 3 4 5 Go to the SpeedTouch™ web pages. In the menu select Home Network > Devices. Click the name of your device, or if the device's settings haven't been personalised yet, click the MAC address of the device. On the top right, click Configure. Now you can change the device's name, lock its IP address and assign applications and services to the device. E-DOC-CTC-20050429-0103 v2.0 19 Chapter 2 Local Network Setup 2.1 Wired Ethernet Local network The Ethernet ports on the backpanel allow you to connect the SpeedTouch™ to an existing 10 or 100Base-T Ethernet network or one (or more) computer(s) with installed Ethernet card. Using the SpeedTouch™ Ethernet switch, you can create a local Ethernet network of up to four devices, without needing extra networking devices. In the SpeedTouch™ package, a yellow full-wired straight-through RJ-45/RJ45 Ethernet cable is included. Standard wiring procedure Use the yellow Ethernet cable provided to wire your computer's Ethernet port to one of the SpeedTouch™'s Ethernet ports. The Ethernet cable can also be used to wire an Ethernet port of your SpeedTouch™ to any external Ethernet hub or switch. Please follow the installation instructions supplied with the external hub or switch for connections and Ethernet cabling. Ethernet link check LED indicators allow you to check your Ethernet. See "1.

2 SpeedTouch™ LED Behaviour" on page 8 for more information. Once you've connected a device, you are able to personalise its settings. For more information, see "Device settings" on page 19. Device settings Managed Ethernet switch Your SpeedTouch™ intelligently switches data between the devices on your LAN, using priority queuing to ensure that higher priority messages are delivered first and in real-time. This feature maximizes your network performance. The managed Ethernet switch allows you to configure a Virtual Local Area Network (VLAN), group ports or isolate a port, configure secure channel connections, define Quality of Service (QoS), and you can configure port mirroring, allowing monitoring from one port to another. You can configure the managed Ethernet switch manually using CLI (For more information, see the SpeedTouch™ CLI Reference Guide). 20 E-DOC-CTC-20050429-0103 v2.0 Chapter 2 Local Network Setup 2.2 Wireless Ethernet Introduction The SpeedTouch™ Wi-Fi® certified IEEE 802.

11g compliant wireless access point allows multiple computers to connect wirelessly to your local network over the SpeedTouch™ Wireless LAN environment. The SpeedTouch™ is backward compatible with IEEE 802.11b, which means 802.11b and 802.11g devices can coexist in the same wireless network.

The Wireless Distribution System (WDS) on your SpeedTouch™ allows you to extend the range of your wireless network. To be able to use WDS, you will need to introduce an additional WDS-enabled access point into your wireless network. To be able to connect the computers, make sure that a wireless client adapter (WLAN client) is installed on each computer you want to connect via the WLAN. Wireless client requirements All wireless client adapters compliant to 802.11g and/or 802.

11b, will be able to communicate with the SpeedTouch™ and other members of the SpeedTouch™ (W)LAN environment. However, be aware that only 802.11g compliant wireless clients are able to gain full profit of the 54 Mb/s (Max) bandwidth delivered by the SpeedTouch™. It is highly recommended to use only wireless client adapters that are Wi-Fi™ certified to ensure smooth interoperability with the SpeedTouch™'s WLAN. E-DOC-CTC-20050429-0103 v2.0 21 Chapter 2 Local Network Setup 2.2.1 Wireless Basics Introduction 802.11b/g In this section some key wireless concepts are explained. 802.

11b is an IEEE standard, operating at 2,4 GHz at a speed of up to 11 Mb/s. 802.11g, a newer IEEE standard also operating at 2,4 GHz, gives you up to 54 Mb/s speed, more security and better performance. Wireless Fidelity The Wi-Fi certification ensures that your SpeedTouch™ will interoperate with any Wi-Fi certified 802.11g and 802.11b compliant wireless device. The SpeedTouch™ Wireless LAN Access Point (AP) behaves as a networking hub allowing to wirelessly interconnect several devices to the local (W)LAN and to provide access to the Internet. The WLAN's 'radio' link is a shared medium. As no physical connection exists between the SpeedTouch™ and wireless clients, a name must be given to allow unique identification of your WLAN radio link. This is done by the Service Set ID (SSID), also referred to as Network Name.



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Wireless clients must be part of this SSID environment in order to be able to communicate with other clients on the (W)LAN including the SpeedTouch™. The 802.11g standard allows several WLAN networks using different radio channels to be co-located. The SpeedTouch™ supports multiple radio channels and is able to select the best radio channel at each start-up. You can choose to set the channels automatically or manually.

The different channels are overlapping. To avoid interference with another access point, make sure that the separation (in terms of frequency) is as high as possible. It's recommended to keep at least 3 channels between 2 different access points. The SpeedTouch™ supports all channels allowed for wireless networking. However, depending on local regulations, the number of channels actually allowed to be used may be additionally restricted, as shown in the table below: Access Point Network Name or SSID Radio channels Regulatory Domain China Europe Israel Japan Jordan Thailand USA Allowed Radio Channels 1 to 13 1 to 13 5 to 8 1 to 14 10 to 13 1 to 14 1 to 11 22 E-DOC-CTC-20050429-0103 v2.

0 Chapter 2 Local Network Setup Antennas Direct the external antenna to allow optimization of the wireless link. If for example the antenna is erect, wireless links in the horizontal plane are favoured. Please note that the antenna characteristics are influenced by the environment, that is by reflections of the radio signal against walls or ceilings. It is advisable to use the received signal strength as indicated by the wireless client manager to optimize the antenna position for the link to a given client. Concrete walls will die down the radio signal strength and thus affect the connection. E-DOC-CTC-20050429-0103 v2.0 23

Chapter 2 Local Network Setup 2.2.2 Connecting First-time Wireless Clients Wireless default settings After every Reset-to-Defaults, the SpeedTouch™ wireless access point configuration is returned to its initial default settings. These default settings are: Security level is low (security disabled) for an easy first use, meaning the data will not be encrypted.

Wireless security settings are described in "2.2.3 Wireless Security" on page 27. The SpeedTouch™ is broadcasting its network name (SSID). This default network name (SSID) is printed on the identification label located on the bottom of your SpeedTouch™ and is unique for each device. It consists of the concatenation of the word "SpeedTouch" and 6 hexadecimal characters, without any spaces, for example SpeedTouch123456. The radio channel number is set to 'automatically scan for the best radio channel'. Registration is not activated. New stations are allowed automatically. The Access Control List is open and empty.

No wireless client will be denied access to the SpeedTouch™ based on its physical hardware address. The default wireless settings may differ from the settings listed above depending on your Service Provider's requirements. If this is the case, refer to the installation/configuration instructions provided by your Service Provider. Preparing first-time wireless clients Make sure that: The SpeedTouch™ is powered on and ready for service. The SpeedTouch™ is in its default configuration.

If needed, reset the SpeedTouch™ to its default configuration (See "6.3 Reset to Factory Defaults" on page 110 for more information). A wireless client adapter is installed on your computer. The wireless client adapter's IP configuration is set to dynamically obtain its IP configuration (DHCP) - this is usually the default. For more information, see the documentation of your wireless client adapter.

Configuring first-time wireless clients The wireless client must be correctly configured for the default network name. As the SpeedTouch™ broadcasts its network name to the wireless clients, you can select the SpeedTouch™ wireless network from a list of available networks. Depending on your wireless client a wireless icon may become green or a message similar to the following may pop up: "Successfully joined Wireless network SpeedTouch123456". Some wireless clients do not automatically join a wireless network. If so, follow the instructions for the wireless client software to initiate association. First-time association example In the example below is shown how the SpeedTouch™ wireless network is presented towards an MS Windows XP Service Pack 2 system: 24 E-DOC-CTC-20050429-0103 v2.0 Chapter 2 Local Network Setup To associate your wireless client to the SpeedTouch™: 1 2 Click the network icon in the notification area: The Wireless Network Connection window appears: In the Choose a wireless network list, select the SpeedTouch™ wireless network and click Connect. 3 Following window appears: Click Connect Anyway. 4 Your computer is now connected to the SpeedTouch™ wireless network. For other Operating Systems the wireless client will in most cases be configured via dedicated client managers.

E-DOC-CTC-20050429-0103 v2.0 25 Chapter 2 Local Network Setup Wireless device settings Once you've connected a device, you are able to personalise its settings. For more information, see "Device settings" on page 19. To add a wireless device to the Access Control List (ACL), select Allowed on WLAN. 26 E-

DOC-CTC-20050429-0103 v2.0 Chapter 2 Local Network Setup 2.2.3 Wireless Security Introduction Since the SpeedTouch™ wireless environment is a radio environment, precautions must be taken to ensure that your wireless network is safe from malicious intruders. To secure your wireless network, following wireless access point settings can be personalised: Your Network Name (SSID) ACL setting Data encryption Security settings To personalise the wireless security settings on your SpeedTouch™: 1 2 3 4 5 Go to the SpeedTouch™ web pages. In the menu select Home Network.

Click your WLAN. On the top right, click Configure. On the Wireless Access Point page, you can modify the Security settings. Network Name (SSID) On the Wireless Access Point page, you can give a new name to your Network Name (SSID). Under Security, you can clear Broadcast Network Name (SSID), to prohibit the Network Name from being broadcasted.

Access Control List (ACL) The SpeedTouch™ features a managed Access Control List (ACL) and a physical registration mechanism in the form of the Association / Registration button on the front panel of your SpeedTouch™. On the Wireless Access Point page, you have following options for the ACL: New stations are Allowed (automatically): All new stations can access the SpeedTouch™. Allowed (via registration): Only allowed stations in the ACL have access. You can add new stations via the Association / Registration button. For more information, see "Registering clients via association button" on page 30. Not allowed: Only allowed stations in the ACL have access.



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E-DOC-CTC-20050429-0103 v2.0 27 Chapter 2 Local Network Setup Data encryption To setup wireless connectivity, you can choose different levels of security: Low (Security disabled, the default): No security; the data will not be encrypted, no authentication process will be used. Medium: Use WEP (Wired-Equivalent Privacy) to encrypt the traffic between the SpeedTouchTM and the clients by sharing a pre-defined 64-bit or a 128-bit Network key for secure communication with legacy 802.11b clients. The default 64 bits hexadecimal WEP key is printed on the identification label located at the bottom of the SpeedTouchTM and is unique for each device. High: Use WPA-PSK (Wi-Fi Protected Access Pre-Shared Key) encryption, the highest form of security available, but make sure that your wireless client and client manager are compatible with it. The default WPA-Personal passphrase is printed on the identification label located at the bottom of the SpeedTouchTM and is unique for each device. The WPA-Personal passphrase must consist of 8 to 63 ASCII characters or 8 to 64 HEX digits. 28 E-DOC-CTC-20050429-0103 v2.

0 Chapter 2 Local Network Setup 2.2.4 Connecting Additional Wireless Clients Preconditions Make sure that: The SpeedTouchTM is powered on and ready for service. The SpeedTouchTM has been configured as DHCP server (default). The wireless client adapters have been installed on all computers you want to connect to the WLAN. Security issues Depending on the personalised wireless settings: Make sure to use the same encryption or security level on the client as on your SpeedTouchTM. If for instance WPA-PSK is enabled on the SpeedTouchTM, you must also configure the wireless client to use WPA-PSK and configure the same WPA-PSK passphrase. In case the Network Name (SSID) is not broadcasted, you must configure the wireless client for the SpeedTouchTM Network Name. Refer to the documentation of your wireless client for more information. Depending on the ACL settings: In case New stations are allowed (automatically), your device will be able to access the SpeedTouchTM WLAN.

In case New stations are allowed (via registration), you will need to register. Follow the procedure as described in "Registering clients via association button" on page 30. In case New stations are not allowed, you will not be able to access the SpeedTouchTM. Registering wireless clients In case New stations are allowed (via registration), you can add a wireless client to the ACL via: Registering clients via web pages Registering clients via association button Registering clients via web pages You can add a wireless client to the ACL as follows: 1 2 3 4 5 6 7 8 9 Go to the SpeedTouchTM web pages. In the menu select Home Network > Devices.

Under Pick a task..., click Search for wireless devices. The SpeedTouchTM searches for new wireless stations that use the encryption key of the SpeedTouchTM Access Point.

The SpeedTouchTM takes you to the Home Network. The new station will be shown next to the name of the SpeedTouchTM WLAN. Click the name of the new station. Click Configure. Select Allowed on WLAN and click Apply. Now the device is added to the ACL and will always be allowed to connect to the SpeedTouchTM. E-DOC-CTC-20050429-0103 v2.0 29 Chapter 2 Local Network Setup Registering clients via association button You can easily register new wireless network clients as follows: 1 Push the Association button on the SpeedTouchTM front panel for at least two seconds. The WLAN LED will toggle between green and red. The ACL will be unlocked for a time frame of one minute.

Any new wireless client successfully attempting to connect to the SpeedTouchTM (having the correct wireless settings, that is the network name and, if required, the network key) within the time frame of one minute, will be added to the table. The SpeedTouchTM automatically saves your current configuration at the end of the registration phase. Some WLAN clients do not automatically join a WLAN. If so, follow the instructions for the WLAN client software to initiate the association. 2 Successfully registered stations are associated to the SpeedTouchTM WLAN. Depending on your WLAN client adapter, a wireless icon may become green or a message similar to the following may appear: "Successfully joined Wireless network SpeedTouch123456". The wireless clients will be added to the SpeedTouchTM ACL. After one minute the ACL is locked. The registration procedure can be repeated as often as needed. 3 4 30 E-DOC-CTC-20050429-0103 v2.

0 Chapter 2 Local Network Setup 2.2.5 Extending the Range of Your Wireless Network WDS The SpeedTouchTM features Wireless Distribution System (WDS) functionality. This feature allows you to extend the range of your wireless network by introducing one or more WDS-enabled devices into your wireless network. The Wireless Distribution System (WDS) enables data packets to pass from one wireless access point to another, just as if the access points were ports on a wired Ethernet switch.

WDS allows you to extend the range of your SpeedTouchTM by means of one or more wireless repeaters, like for instance a SpeedTouchTM180. The following illustration depicts two WDS-enabled devices communicating via WDS: WDS Link SpeedTouchTM180 SpeedTouchTM585 The SpeedTouchTM allows you to add up to four wireless repeaters. Repeaters extend the coverage area of your wireless LAN, however bear in mind that throughput is reduced for wireless clients that are connected through a repeater. Preconditions Check on following: Your wireless repeater must be WDS enabled. Both your SpeedTouchTM and your wireless repeater must use: The same WEP key if WEP is enabled.

! WPA encryption is not supported when using WDS. The same fixed channel. The SpeedTouchTM and your wireless repeater do not necessarily need to use the same SSID. Using different SSIDs allows you to force your wireless clients to use either the access point of the SpeedTouchTM or the one of your wireless repeater. E-DOC-CTC-20050429-0103 v2.0 31 Chapter 2 Local Network Setup Configuring WDS To configure your WDS on the web pages: 1 2 3 4 Go to the SpeedTouchTM web pages. In the menu select Home Network. Click your WLAN. On the top right, click Configure. If not already done, set a fixed channel and check whether the security settings (WEP encryption or no encryption) on your SpeedTouchTM are the same as on the repeater.

5 On the Wireless Access Point page, in the Pick a task... list, click Configure WDS. 6 7 8 Select WDS Enabled. In the Pick a task... list, click Scan for wireless access points. A warning will be displayed.:

Click OK. 9 The SpeedTouchTM will scan for access points on the same radio channel. 10 Select your repeater in the List of Accessible Access Points and click Apply. 32 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients 3 Internet Connectivity Dial-In Clients Introduction For setting up initial Internet connectivity, using the Home Install Wizard on the Setup CD or the embedded Easy Setup, refer to the provided Installation and Setup Guide.



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Depending on the configuration of the SpeedTouch™ you may have: Access methods Direct access: As soon as the initial configuration has been done, immediate and uninterrupted WAN access is provided. In case of direct access, the remote organisation might ask for a user name and password on an Internet welcome page. Dial-in access: Access must be explicitly established, that is by "dialling" into a Broadband Remote Access Server (BRAS). Depending on the SpeedTouch™ configuration, dial-in access is provided via the SpeedTouch™'s Routed PPPoA or Routed PPPoE packet services with embedded PPP client. Connection protocols The applied connection protocol model depends on the service profile you selected to configure the SpeedTouch™ and should correspond with the Service Provider's requirements.

If your ISP provides PPPoE for instance, you should configure PPPoE. More information on connection protocols can be found in the Internet Connection Configuration Guide. Dial-in clients There are different ways of dialling in, depending on the operating system on your PC and your preferences. Dial-in method: can be used on following operating system: For more information, see: Embedded PPP dial-in client: Dial-in client on embedded pages MS Windows XP/UPnP (Internet Gateway Device) MS Windows, Mac, unix, other MS Windows XP "3.1 SpeedTouch™ Web Pages" "3.2 Internet Gateway Device Control Agent" on page 37 Host PPP dial-in client for a SpeedTouch™ configured in pure bridging mode: MS Windows XP Broadband connection Mac OS X PPPoE dial-in client MS Windows XP Mac OS X "3.3 MS Windows XP Broadband Connection" "3.4 Mac OS X PPPoE Dial-in Client" E-DOC-CTC-20050429-0103 v2.0 33 Chapter 3 Internet Connectivity Dial-In Clients Embedded PPP dial-in clients The SpeedTouch™'s embedded PPP dial-in client allows you to establish an Internet connection for computers residing on your local network, using only one computer of the network to control the client. If this computer runs: Any Operating System you can always use the SpeedTouch™ web pages.

See "3.1 SpeedTouch™ Web Pages" on page 35 to proceed. MS Windows XP you can use MS Windows XP's Internet Gateway Device Control Client. See "3.2 Internet Gateway Device Control Agent" on page 37 to proceed. Broadband host PPPoE dial-in clients You can also connect to the Internet using a Broadband PPPoE dial-in application. The PPP over Ethernet connection scenario provides PPP-like dial-in behaviour over the virtual Ethernet segment. To be able to use a broadband dial-in application on your computer for connecting to the Internet, the SpeedTouch™ needs to be configured for Bridged Ethernet or Routed PPPoE (with PPPoE relay) via the SpeedTouch™ Home Install Wizard on the Setup CD or the embedded Easy Setup. If this computer runs: MS Windows XP you can use the MS Windows XP broadband dial-in client. See "3.

3 MS Windows XP Broadband Connection" on page 39 for more information. Mac OS X you can use a Mac OS X broadband dial-in client. See "3.4 Mac OS X PPPoE Dial-in Client" on page 43 for more information. - or A broadband PPPoE dial-in client provided by your Service Provider to connect to the Internet Upon availability of OS-specific PPPoE dial-in client applications, the latter method is Operating System independent.

For PPPoE session connectivity from a Mac OS 8.6/9.x, an MS Windows 95/98(SE)/ME/2000 or a Linux system, a host PPPoE dial-in application is mandatory. 34 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients 3.

1 SpeedTouch™ Web Pages Introduction As the SpeedTouch™ web pages are controllable from any Operating System with an installed web browser, the method to establish PPP sessions described below you can use on any computer system. For more information on Internet connection setup, see the provided Installation and Setup Guide. Starting an Internet session Proceed as follows: 1 Open a web browser on your computer and browse to the SpeedTouch™ web pages (see "1.3.1 Access via the Web Interface" on page 11 for more information): By default the SpeedTouch™ shows you the Home page. 2 Click Connect at the appropriate broadband connection. You might be requested to enter your user name and password. As a result SpeedTouch™'s embedded PPP dial-in client establishes the Internet connection. 3 Monitoring your Internet connection Now you can surf the Internet. You are able to overview and monitor your Internet connectivity as long as the session is running via: The SpeedTouch™ System Information page: see "4.

3.1 Information" on page 54. The SpeedTouch™ Diagnostics task: see "4.4.1 Connectivity Check" on page 62. E-DOC-CTC-20050429-0103 v2.0 35 Chapter 3 Internet Connectivity Dial-In Clients Terminating an Internet session To close an active PPP connection: 1 2 Go to the SpeedTouch™ Home page. Click Disconnect at the appropriate broadband connection. As a result the SpeedTouch™'s embedded PPP dial-in client will close the Internet connection. The Internet Link status will change to Disconnected and your PC is offline.

36 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients 3.2 Internet Gateway Device Control Agent Introduction MS Windows XP users can easily establish PPP sessions, thanks to MS Windows XP's Internet Gateway Device (IGD) Discovery and Control Client that allows you to control the SpeedTouch™ directly from you PC. The IGD control client only allows to connect or to disconnect a fully configured connection. Preconditions Following conditions must be met: Following subcomponents of Windows XP's Networking Services must be added to your Windows XP system: UPnP™ (see "SpeedTouch™ not detected by UPnP™ or IGD Control Client" on page 108).

IGD Discovery and Control Client (see "Adding IGD Discovery and Control" on page 109). UPnP™ must be enabled on your SpeedTouch™. To enable UPnP, see "4.5.2 Game & Application Sharing" on page 68.

Starting an Internet session Proceed as follows: 1 2 3 4 In the Windows task bar, click Start. Select (Settings >) Control Panel. The Control Panel window appears. Go to (Network and Internet Connections >) Network Connections. The Network Connections window appears: You will find an Internet Gateway icon, representing the SpeedTouch™ IGD Internet connection ability. 5 Double-click the Internet Connection icon. As a result the SpeedTouch™'s embedded PPP dial-in client establishes the Internet connection. The Internet Gateway icon displays connected and your PC is online. 6 You can open a web browser and surf the Internet. E-DOC-CTC-20050429-0103 v2.

0 37 Chapter 3 Internet Connectivity Dial-In Clients Internet connection status As long as the SpeedTouch™'s embedded PPP dial-in client is connected, you are able to overview the connection status and some counters by double-clicking the Internet Connection icon in your PC's Network Connections window: Terminating an Internet session Proceed as follows: 1 2 3 In the Windows task bar, click Start.



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Select (Settings >) Control Panel > (Network and Internet Connections >) Network Connections. In the Network Connections window, right-click the Internet Connection icon and select Disconnect to close the session. You can also double-click the icon. Then the Internet Connection Status window will appear on which a Disconnect button is available to close the session. 4 As a result the SpeedTouchTM's embedded PPP dial-in client will close the Internet connection. The Internet Gateway icon displays Disconnected and your computers are off-line. 38 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients 3.3 MS Windows XP BroadBand Connection Prerequisites To be able to use the MS Windows XP BroadBand Connection, your SpeedTouchTM must be configured for either: Bridging, or PPPoE Relay Configuring a broadband connection Proceed as follows: 1 2 3 On the Start menu, click (Settings >) Control Panel.

The Control Panel window appears. Go to (Network and Internet Connections >) Network Connections. In the Network Tasks menu, click Create a new connection. The New Connection Wizard appears: Click Next. 4 5 6 7 Select Connect to the Internet and click Next. Select Set up my connection manually and click Next. Select Connect using a broadband connection that requires a user name and password and click Next. Give a name to the connection you are creating, for example YourISP: E-DOC-CTC-20050429-0103 v2.0 39 Chapter 3 Internet Connectivity Dial-In Clients 8 Select whether the connection will be available to any user or only to yourself: 9 Fill in the Internet account information. This information should be provided by your service provider: 10 At the end of the configuration the following window appears: Click Finish to complete the configuration. The Connect YourISP window (see below) appears. 40 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients Starting a broadband Internet session Proceed as follows: 1 On the Start menu, point Connect To and click the name of the connection you've created, for example YourISP. If you are using the Classic Start menu click Start > Settings > Network (and Dial-up) connections > YourISP. 2 The Connect YourISP window appears: 3 4 5 If requested, enter user name and password for your user account at the Service Provider. Click Connect. As soon as the connection is established, the Connection message box and Dialup window are minimised into an icon in the notification area: 6 You can open your web browser and surf the Internet. E-DOC-CTC-20050429-0103 v2.0 41 Chapter 3 Internet Connectivity Dial-In Clients Terminating a broadband Internet session Proceed as follows: 1 On the Start menu, point Connect To and click the name of the connection you've created, for example YourISP. If you are using the Classic Start menu go to Start > Settings > Network (and Dial-up) connections > YourISP.

2 The YourISP Status window appears: 3 4 Click Disconnect. The connection is released. As a result no Internet connectivity exists any more. 42 E-DOC-CTC-20050429-0103 v2.0 Chapter 3 Internet Connectivity Dial-In Clients 3.4 Mac OS X PPPoE Dial-in Client Prerequisites To be able to use the MS Windows XP BroadBand Connection, your SpeedTouchTM must be configured for either: Bridging, or PPPoE Relay Configuring a broadband connection Proceed as follows: 1 2 3 On the Apple menu, click System Preferences. In the System Preferences window, click the Network icon. The Network window appears. Make sure Built-in Ethernet is selected in the Show list and click the PPPoE tab: 4 Enter the Account Name and Password provided by your Service Provider. Select Save password in case you want the computer to remember the password for this account name.

Optionally you can enter a name for this connection in the Service Provider field. @@@@Click Connect. @@@@The connection is released. @@@@Click this name to change your password or switch to another user. View the current position on the SpeedTouchTM web interface. @@@@Warnings indicated by an orange traffic light. Information indicated by a green traffic light. @@@@In the Pick a task... list, click Set up. @@In the Pick a task... @@The SpeedTouchTM restarts. @@@@For more information, see "4.3.2 SpeedTouchTM Easy Setup" on page 55. Configure the time settings of your SpeedTouchTM: Select Auto-configuration if you want the SpeedTouchTM to use a time server to synchronise its clock to a dedicated time server. Clear Auto-configuration to manually configure the SpeedTouchTM time settings.

Disable/enable web browsing interception or set it to automatic. If you disable web browsing interception or set it to automatic you will not be able to use Parental Control. ! Click Apply to save your settings. E-DOC-CTC-20050429-0103 v2.0 57 Chapter 4 SpeedTouchTM Web Interface 4.3.5 Backup & Restore Introduction This page allows you to: Save your current configuration. Restore a previously saved configuration. Accessing the Backup & Restore page Proceed as follows: 1 2 3 On the SpeedTouch menu, click Configuration. Click Configure. In the Pick a task... list, click Save or Restore Configuration. Saving your current configuration Proceed as follows: 1 2 3 Click Backup Configuration Now. Click Save. Choose a location to save your backup file and click Save. Restoring a previously saved configuration Proceed as follows: 1 2 3 4 5 Click Browse. Select the configuration file you want to restore and click Open. Click Restore Configuration Now. ... The SpeedTouchTM loads your configuration and restarts. At the end of the procedure, the SpeedTouchTM returns to the Home page. 58 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouchTM Web Interface 4.3.6 Reset to Factory Defaults Introduction This page allows you to reset the SpeedTouchTM to return to the initial configuration of your SpeedTouchTM. All your changes will be deleted.

Accessing the Reset to Factory Defaults page Proceed as follows: 1 2 On the left menu, click SpeedTouch. In the Pick a task... list, click Return to Factory Default Settings. Resetting the SpeedTouchTM to factory defaults If you want to reset your SpeedTouchTM to factory defaults, click Yes, reset my SpeedTouch. ! If you reset your SpeedTouchTM to factory default settings, all active connections will be disconnected. E-DOC-CTC-20050429-0103 v2.0 59 Chapter 4 SpeedTouchTM Web Interface 4.3.

7 Event Logs Event Logging The Event Logs page summarizes the latest events recorded on your SpeedTouchTM. Recorded Events table The Recorded Events table gives you an overview of the latest event logs that have been recorded since power on. The first column of the table indicates the importance of the event log Indicator Description Informational Warning Error The Category list allows you to filter the events shown in the Recorded Events table.



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For example, by clicking Security you can view all security related events, for example generated by the SpeedTouch™ firewall. 60 E-DOC-CTC-20050429-0103 v2.

0 Chapter 4 SpeedTouch™ Web Interface 4.4 Broadband Connection The Broadband Connection menu The Broadband Connection menu consists of following menu items: DSL Connection Internet Services The Broadband Connection page The Broadband Connection page gives you a short status overview of the connections configured on the SpeedTouch™. Click View more to see more information on the selected broadband connection. If you configured a dial-up connection, you are able to establish/terminate the connection by clicking Connect/Disconnect. E-DOC-CTC-20050429-0103 v2.

0 61 Chapter 4 SpeedTouch™ Web Interface 4.4.1 Connectivity Check Introduction This page enables you to perform a connectivity check on an Internet service of your SpeedTouch™. Accessing the Connectivity Check page Proceed as follows: 1 2 On the left menu, click Broadband Connection. In the Pick a task... list, click Check connectivity to the Internet. Checking you Internet Connectivity Proceed as follows: 1 2 3 In the Internet Service to Check list, click the Internet service that you want to check. Click Check Connectivity.

The SpeedTouch™ lists the test results in the Test Results list. Analysing the test results If the test is successful, you will get a list of green check marks.

Otherwise a red cross will indicate which tests have failed. 62 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouch™ Web Interface 4.4.2 DSL Connection Overview Details Click Overview to view brief information on your DSL connection. Click Details to view a more detailed information on your DSL connection. E-DOC-CTC-20050429-0103 v2.0 63 Chapter 4 SpeedTouch™ Web Interface 4.

4.3 Internet Services Internet Services information The Internet Services page displays information on your Internet Connection(s). If you configured a dial-up connection you are able to establish/terminate the connection by clicking Connect/Disconnect. To view more detailed information on a specific connection, click the View more..

. link of the corresponding connection. 64 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouch™ Web Interface 4.4.

4 Internet Service Settings Accessing the Internet Service Settings page Proceed as follows: 1 2 On the Broadband Connection menu click Internet Services. Click the View more link of the internet service you want to view. Overview The Overview page gives you basic information on the selected Internet Service. If you configured a connection you are able to establish/terminate the connection by clicking Connect/Disconnect. Details The Details page gives you more detailed information on the selected Internet Service. If you configured a dial-up connection you are able to establish/terminate the connection by clicking

Connect/Disconnect. E-DOC-CTC-20050429-0103 v2.0 65 Chapter 4 SpeedTouch™ Web Interface 4.5 Toolbox The Toolbox menu The Toolbox menu consists of following menu items: Remote Assistance Allows you to make your SpeedTouch™ accessible for remote support. Game & Application Sharing Allows you to share services and games that you run in your private network towards the internet.

Parental Control Allows you to block/allow access to specific web sites. Firewall Allows you to configure the security level of the SpeedTouch™ firewall. Intrusion Detection Allows you to view the intrusions you are protected against. Dynamic DNS Allows you to assign a DNS host name to your broadband connection(s). User Management Allows you to manage the users configured on your SpeedTouch™. The Toolbox page The Toolbox page gives you an overview of the available services and their current status. You can click on the names of these services to go to the corresponding web page. 66 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouch™ Web Interface 4.5.

1 Remote Assistance Enabling Remote Assistance This page allows you to make your SpeedTouch™ accessible for remote support. ! 1 2 3 You must be connected to the Internet to be able to enable remote assistance. If needed, type a password in the Password box. Click Enable Remote Assistance. Pass the information listed under: URL Username Password to your technical support, in order for them to be able to access your SpeedTouch™.

Once the technical support is connected, no other connections are possible. To use remote assistance: 4 The remote assistance session ends: if the technical support disables remote assistance. after 20 minutes of inactivity. after a reboot. E-DOC-CTC-20050429-0103 v2.

0 67 Chapter 4 SpeedTouch™ Web Interface 4.5.2 Game & Application Sharing Overview The Overview page summarizes the games and applications on a particular host on your network, for which the SpeedTouch™ accepts connections coming from the Internet. The Configuration page allows you to: Select Use UPnP to enable UPnP on the SpeedTouch™. Universal Plug and Play is an architecture for transparent peer-to-peer connectivity of PCs, intelligent appliances, and (wireless) devices. It enables seamless operation of a wide range of games and messaging applications. Select Use Extended Security to only allow the creation of port maps. Assign a game or application to a specific network device. Configure 68 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouch™ Web Interface 4.

5.3 Defined Games & Applications Accessing the Defined Games & Applications page Proceed as follows: 1 2 In the Toolbox menu, click Game & Application Sharing. In the Pick a task... list, click Modify a game or application. The Defined Games & Applications page This page gives you an overview of the games and applications defined on your SpeedTouch™. Each game or application can be assigned to a device on your local network. To: View the translation rules of a game or application, click the name of the rule. Change the translation rules of a game or application, click the Edit link of the the game or application.

E-DOC-CTC-20050429-0103 v2.0 69 Chapter 4 SpeedTouch™ Web Interface 4.5.4 Game or Application Definition Accessing the Game or Application Definition page Proceed as follows: 1 2 3 In the Toolbox menu, click Game & Application Sharing. In the Pick a task.

.. list, click Modify a game or application. Click the name of the game or application you want to view/change. Overview This page gives you an overview of the port mappings used to allow this service or game to be initiated from the Internet.

Consult the user's guide or support pages of your application to know which ports are being used by this application. A service is made of one or more TCP/UDP port ranges. Each incoming port range can be translated into a different internal (local network) port range. Port ranges can be statically assigned to devices or dynamically assigned using an outgoing trigger.



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Configure Under: Game or Application Name you can: Change the name of the game or application. Game or Application Definition you can: Change the TCP/UDP port definition for this game or application. Adding a Port Translation rule Proceed as follows: 1 2 3 4 In the Protocol list, click the protocol the game or application uses. In the Port Range box, type the port range the game or application uses. In the Translate To..

. box, type the port range to which the SpeedTouchTM has to translate the ports specified under Port Range. If you want to make a dynamic translation rule you must specify a trigger protocol and port. As soon as the SpeedTouchTM receives outgoing traffic on this trigger port, it will activate this translation rule.

5 Click Apply. 70 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouchTM Web Interface 4.5.5 New Game or Application Accessing the Game or Application Definition Proceed as follows: 1 2 On the Applications page, click Game & Application Sharing. In the Pick a task.

.. list, click Create a new game or application. Creating a new game or application Proceed as follows: 1 2 Type the name of the game or application in the Name box. Click: Clone Existing Game or Application if you want to start from the port mappings of the selected game or application.

Manual Entry of Port Maps if you want to manually configure the port mapping for this game or application. 3 The SpeedTouchTM creates the game or application and takes you to the Game or Application Definition page to configure the port mappings for this game or application. Enter the necessary port mappings and click Add. 4 E-DOC-CTC-20050429-0103 v2.0 71 Chapter 4 SpeedTouchTM Web Interface 4.

5.6 Parental Control Parental Control The SpeedTouchTM allows you to block/allow particular web sites: Based on the web site's URL. As within a web site lots of references can be made to other URLs, it is recommended to use this feature in combination with content based filtering. Based on the web site's content. Redirect a web site to another web site. If your administrator account is configured as default user, make sure to configure a password for this account or change the default user. Otherwise users on your local network can surf to your SpeedTouchTM to disable your filtering rules. For more information, see "4.5.13 User Management" on page 82 and "4.

5.15 Change Default User" on page 84. ! Overview The Overview page displays: The current Address Based Filtering rules. The current Content Based Filtering configuration. To view which content types are blocked/allowed, click Details. For more information, see "4.5.8 Content Level" on page 76. !

Configure Address based filtering rules have priority over content based filtering rules. The Configure page allows you to: Deny access to a specific web site. Allow access to a specific web site. Redirect a web site. Configure content based filtering settings. Content levels Following content levels are available: All: Allow all categorized web sites. Legal: Allow all except illegal, extreme, spam and spyware web sites.

Teenagers: Block illegal, adult, extreme, online ordering/gambling, spam and spyware web sites. Children: Only allow children-safe web sites. BlockAll: Block all categorized web sites. 72 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouchTM Web Interface Deny access to a specific web site Use this feature if: Allow is selected under Action for Unknown Sites.

Block is selected under Action for Unknown Sites and you want to make an exception on an allow rule. For example: you are allowing "provider.com" but you want to deny access to "mail.provider.com". A content category/group is allowed by Content Based Filtering and you want to make an exception. For example: you are allowing Web Mail content but you want to deny access to "mail.provider.com". Proceed as follows: 1 2 Type the URL of the web site you want to block (for example "mail.

provider.com") in the Web Site box. In the Action list, click: Block if you want to block this web site. Redirect if you want to redirect to another page. Type the address of the redirect page in the Redirect box. 3 Allow access to a specific web site Click Add. Use this feature if: Block is selected under Action for Unknown Sites Allow is selected under Action for Unknown Sites and you want to make an exception on a block/redirect rule. For example: you are blocking "bank.com" but you want to allow access to "netbanking.bank.

com". A content category/group is blocked by Content Based Filtering and you want to make an exception. For example: you are blocking Finance / Investment content but you want to allow access to "netbanking.bank.com".

Proceed as follows: 1 2 3 Redirect a web site Type the URL of the web site you want to allow (for example "netbanking.bank.com") in the Web Site box. Click Allow in the Action list. Click Add.

Proceed as follows: 1 2 3 4 Type the URL of the web site you want to redirect (for example "cracks.am") in the Web Site box. Click Redirect in the Action list.

Type the URL of the web site you want to redirect to (for example "mycompany.com/internetpolicy.htm") in the Redirect box. Click Add. E-DOC-CTC-20050429-0103 v2.0 73 Chapter 4 SpeedTouchTM Web Interface Redirecting all web sites Proceed as follows: 1 2 3 4 5 6 7 Type "*" in the Web Site box. Click Redirect in the Action list.

Type the URL of the web site you want to redirect to (for example "mycompany.com/internetpolicy.htm") in the Redirect box. Click Add. Type the URL of the web site you want to redirect to (for example "mycompany.com/internetpolicy.htm") in the Web Site box. Click Allow in the Action list. Click Add. Configure content based filtering settings Under Content Based Filtering you are able to: Enable/disable content based filtering.

Allow/block uncategorized web sites. Select a content level in the Content Level list. To change a content level definition, click the Edit link of the content level you want to change. For more information, see "4.5.

8 Content Level" on page 76. 74 E-DOC-CTC-20050429-0103 v2.0 Chapter 4 SpeedTouchTM Web Interface 4.5.7 Web Filtering Activation Accessing this page Proceed as follows: 1 2 Web Filtering Activation page On the Toolbox menu, click Web Site Filtering.

In the Pick a task... list, click Activate Web filtering License. This page allows you to: Activate a Web Filtering evaluation license. Activate a free 30-days Web Filtering evaluation license. Standard license activation Proceed as follows: 1 2 3 Click Standard. In the License Key box, type the license key provided by your ISP. Click Apply. E-DOC-CTC-20050429-0103 v2.

0 75 Chapter 4 SpeedTouchTM Web Interface 4.5.8 Content Level Accessing this page Proceed as follows: 1 2 3 Overview On the Toolbox menu, click Web Site Filtering.



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