

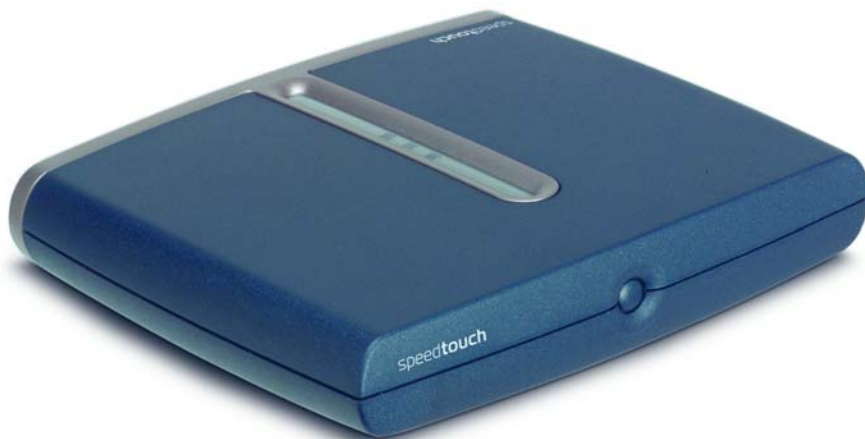
SpeedTouch™

510/510i

Multi-User ADSL Gateway

Customer Release Note

Release R4.0.0



SpeedTouch™510

Customer Release Note

Release R4.0.0

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1 The SpeedTouch™510 R4.0.0

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- Introduction** The purpose of this document is to define the released items and provide delivery information of the SpeedTouch™510 Multi-User ADSL Gateway Release R4.0.0.
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- General** This delivery introduces the SpeedTouch™510 Release R4.0.0 Multi User ADSL Gateway as an addition to the existing range of THOMSON multimedia's DSL products.
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- Key features** The SpeedTouch™510 R4.0.0 key features are:
- High-speed Internet access over DSL and regular POTS or ISDN services on the same copper line
 - Up to 8Mb/s downstream, 832kb/s upstream for ADSL/POTS
 - Up to 8Mb/s downstream, 640kb/s upstream for ADSL/ISDN
 - Operating System independent
 - Full IP Routing capabilities
 - Integrated Firewalling
 - Easy to use SpeedTouch™ Setup wizard for MS Windows OSs
 - Easy to use configuration mechanism via configuration file upload/ftp
 - System software upgrade wizard for MS windows OSs and Mac OS10
 - Secure BOOTP system software upgrade mechanism available
 - Extended IPSec VPN pass-through functionality and transparency
 - Fully UPnP compliant (Internet Gateway model)
 - Improved NAPT experience via helpers for:
 - SIP: Session Initiation Protocol signalling protocol for Internet conferencing, telephony, presence, events notification and instant messaging. Proven interoperability with Linnphone and Ubiquity SIP applications and Snom and Pingtel sipphones.
 - IKE and ESP: Any client on the local network can connect to any server on the Internet. Proven interoperability with Cisco, CheckPoint, Nortel and TimeStep.
 - GRE
 - PPTP
 - ILS
 - H323
 - FTP
 - RTSP
 - IRC
 - RAUDIO(PNA).

Basic features For a complete presentation of the product's features please check the SpeedTouch™510 Data sheet.

ADSL Variants This Release R4.0.0 delivery is applicable for the following SpeedTouch™510 Multi-User DSL Gateways:

- The SpeedTouch™510 ADSL/POTS product
- The SpeedTouch™510i ADSL/ISDN product.

In the following both will be referred to as SpeedTouch™510 unless specifically the ADSL/ISDN variant is concerned.

Interface variants The SpeedTouch™510 ADSL/POTS variant is available with following LAN interfaces:

- A single 10/100Base-T Ethernet port
- A four port 10/100Base-T Ethernet switch.

The SpeedTouch™510i ADSL/ISDN variant is available with following LAN interfaces:

- A single 10/100Base-T Ethernet port
- A four port 10/100Base-T Ethernet switch.

2 Release History

Release overview The existing SpeedTouch™510 releases are depicted in following table:

	Operational Codes	Remarks
R4.0.0	Platform: ADNT-Q System software image: LLT6AA4.0090 Setup wizard version: 1.2.0.11 Upgrade wizard version: 1.0.0.33	Introduction and initial release of the new SpeedTouch™510 (v4).

3 Delivered Media

Introductory Note The SpeedTouch™510 offers full customizability, both regarding configuration profile files, wizard settings and the contents of the delivery package.

The basic SpeedTouch™ Setup CD-Rom allows immediate use by the end customer without the need for customization.

It contains the fully functional SpeedTouch™ CD browser application, Setup wizard, Upgrade wizard and all documentation, as well as a basic set of configuration profile files.

For more information contact your local sales contact.

3.1. Product Codes

Product Codes ADSL/POTS variants:

Area	Item number	Description
ROW	3EC 18604 MCAA ICS01	SpeedTouch™510 Single Ethernet ADSL/POTS
ROW	3EC 18603 LCAA ICS02	SpeedTouch™510 Ethernet switch ADSL/POTS
US	3EC 18804 MCAA ICS01	SpeedTouch™510 Single Ethernet ADSL/POTS
US	3EC 18803 LCAA ICS02	SpeedTouch™510 Ethernet switch ADSL/POTS

ADSL/ISDN variants:

Area	Item number	Description
ROW	3EC 18624 LCAA ICS02	SpeedTouch™510i Single Ethernet ADSL/ISDN
ROW	3EC 18623 LCAA ICS02	SpeedTouch™510i Ethernet switch ADSL/ISDN

3.2. Documentation

General documentation

Item number	Description
3EC 36513 BAAA TCZZA Edition 01	SpeedTouch™500Series Operator's Guide
3EC 16982 BAAA TCZZA Edition 01	SpeedTouch™500Series CLI Reference Guide
3EC 36512 CCAA PVZZA Edition 02	SpeedTouch™510 Customer Release Note Release R4.0.0

Setup and User's Guides

Item number	Description
3EC 37891 AAAA TCZZA Edition 01	SpeedTouch™510 UG English
3EC 37891 ABAAA TCAAB Edition 01	SpeedTouch™510 UG French
3EC 37891 ACAA TCAAC Edition 01	SpeedTouch™510 UG German
3EC 37891 ADAA TCAAD Edition 01	SpeedTouch™510 UG Spanish
3EC 37891 AEAA TCAAE Edition 01	SpeedTouch™510 UG Portuguese
3EC 37891 AFAA TCAAF Edition 01	SpeedTouch™510 UG Italian
3EC 37891 ASAA TCAAS Edition 01	SpeedTouch™510 UG Swedish
3EC 37891 AVAA TCAAV Edition 01	SpeedTouch™510 UG Dutch

3.3. Software Versions

Platform Software

ADNT-Q Software Components			
Component		Item number	Remarks
System software	image file	LLS6A4.0090	BootP
	operational	LLT6AA4.0090	File System
Modem Label		2.11.12	-
Bootloader		1.0.31	-

CD-rom software components

CD-rom Software Components		
Software Component	Item number	Remarks
CD browser	4.009	-
Setup wizard software version	1.2.0.11	-
Upgrade wizard software version	1.0.0.33	-
ini-files version	4.008	-

4 Restrictions

1. For MS Windows 95 and MS Windows OSR2 systems, in case more than one network adapter is configured as DHCP client, the SpeedTouch™ Setup wizard is unable to set the PC's IP configuration and no error is reported.

Workaround Finish the Setup wizard and configure the PCs manually.

2. Incoming passive FTP connections do not work in case NAPT is enabled.

Workaround Use only active FTP connections (i.e. regular FTP connections) for inbound FTP sessions.

3. Limitations on the use of CheckPoint VPN IPsec Client.

Problem When multiple CheckPoint clients are used to connect to one server, the first client will work without any problem but the following clients will lose connection when re-keying occurs.

Workaround If the typical rekeying time (8 hours) is not enough, a solution is to extend the security association life time, or to simply reconnect the VPN client..

4. Corrupt fragmentation of outgoing ICMP packets with payload sizes bigger than 2952 bytes using a Routed interface.

Problem Corrupt fragmentation of out-going ICMP packets with payloads bigger than 2952 bytes using a routed interface can result in ICMP packet loss. Standard TCP/IP internet traffic is not influenced.

Workaround Use ICMP packets with a payload size smaller than 2953 bytes.



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