

# SPEEDTOUCH USB

## Customer Release Note

**Release 1.6.1**



Status Released

Change Note CP E ed 00173

**Short Title** DOCP–STUSB R1.6.1

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# 1 SpeedTouch USB Release R1.6.1

The purpose of this document is to define the released items and provide the delivery information of the **SpeedTouch™USB** USB ADSL modem.

## 1.1 General

This delivery is a new software release of the **SpeedTouch™USB**. It introduces the R1.6.1 software and contains various improvements and new features with respect to the previous releases.

## 1.2 Release R1.6.1 New Features

The following features are provided in R1.6.1 with respect to the previous releases:

- ▶ **Introduction of the SpeedTouch™USB ADSL modem for ISDN**  
This **SpeedTouch™USB** ADSL/ISDN variant is introduced to support ADSL services via an ISDN lifeline as defined in Full rate – G.dmt ITU-T G.992.1 Annex B
- ▶ **Multi-language SpeedTouch™ USB User Interface**  
The dialog language of the **SpeedTouch™USB** installer application, the Diagnostics application and SpeedTouch™ Dial-up applications are localized towards the following languages:
  - English (alternate default)
  - French
  - German
  - Dutch
  - Swedish
  - Italian
  - Spanish
  - Portuguese.

By default the language of the Operating System is used, if available. However, this behaviour can be changed. For more information, see the **SpeedTouch™USB** Operator's Guide.

- ▶ **Support of ADSL standard selection or blocking**  
Via the SpeedTouch™ USB Profiler application it is possible to allow/disallow selected ADSL standards (for both ADSL/POTS and for ADSL/ISDN independently).
- ▶ **Support for RFC1483 Routed (Routed IP over ATM)**  
The SpeedTouch™USB software drivers support RFC1483 Routed (routed IP over ATM) next to the already supported RFC1483 Bridged (IEEE802.1D Transparent Bridging), RFC2364 PPP over ATM (PPPoA) and RFC2516 PPP over Ethernet (PPPoE).
- ▶ **Software Dying Gasp detection mechanism**  
When the PC powers down, a dying gasp is sent out to notify the remote shutdown of the SpeedTouch™USB modem and PC.
- ▶ **WHQL Qualification for MS Windows XP**  
The SpeedTouch™USB software has been qualified by the Windows Hardware Quality Labs and certified to wear the “Designed for Windows XP” logo.
- ▶ **Extended tone reach (tone 28 to 56 upstream) for ADSL/ISDN**  
The SpeedTouch™USB for ISDN ADSL/ISDN layer modem software’s tone reach has been extended with tone 28 to 56 for the upstream direction
- ▶ **Backward compatibility with current Alcatel DSLAMs and other vendor’s DSLAM products supporting extended tone reach**

## 1.3 Release R1.6.1 Improvements

The Release R1.6.1 software features the following improvements with respect to the previous releases:

- ▶ **Corrected Dial-up entries problem on MS Windows OSs**  
It is possible to delete SpeedTouch™ USB dial-up entries in the SpeedTouch™ dial-up application
- ▶ **Solved upgrade problem on MS Windows 2000**  
When upgrading the SpeedTouch™ USB software from R1.2.x to R1.6.x, active PPP sessions are always automatically and successfully closed before the R1.6.x upgrade continues.
- ▶ **Solved blue screen on MS Windows XP**
- ▶ **Support for all current Mac OS10.x Operating System maintenance releases.**

## 1.4 ADSL Standards Compliancy

### 1.4.1 ADSL/POTS Compliancy

The **SpeedTouch™USB** ADSL modem (for POTS) complies to the following ADSL/POTS standards:

- ▶ ADSL connectivity over POTS telephone life-line
- ▶ ADSL standards compliancy:
  - ANSI issue 2 – ANSI T1.413i2
  - Full rate – G.dmt ITU-T G.992.1 Annex A
  - ADSL lite – G.lite ITU-T G.992.2
  - Multi-mode handshake – ITU-T G.994.1 (G.hs)

### 1.4.2 ADSL/ISDN Compliancy

The **SpeedTouch™USB** ADSL modem for ISDN complies to the following ADSL/ISDN standards:

- ▶ ADSL connectivity over ISDN telephone life-line
- ▶ ADSL standards compliancy:
  - ETSI – ETSI ETR006
  - Full rate – G.dmt ITU-T G.992.1 Annex B
  - Multi-mode handshake – ITU-T G.994.1 (G.hs)
  - UR2 compliancy.





## 2 Speed Touch USB Release History

### 2.1 Release History

	Description	Operational Codes	Remarks
R1.1	R1.1 Speed Touch™USB PPPoA Windows 98/98SE POTS Line i/f CRN: 3EC17273ABAA_PVZZA ED01	Platform: ADNU-A Driver SW: GJ2EAA.112 Profiler SW: NGEAA.112	<b>First release of this product</b> Introduction of Diagnostics, and Profiler applications. Introduction of VPI/VCI 8/35 and 0/35 variants
R1.2	R1.2 Speed Touch™USB PPPoA/PPPoE Windows 98/98SE POTS Line i/f CRN: 3EC17273BAAA_PVZZA ED02	Platform: ADNU-A Driver SW: GJ2EAA.121 Profiler SW: NGEAA.121	<b>New release, based on the previous R1.1 release</b> Introduction of the PPPoE product Improved installation wizard, and diagnostics.
R1.2.2	R1.2.2 Speed Touch™USB PPPoA/PPPoE Windows 98/98SE, 2000 POTS Line i/f CRN: 3EC17273BBAA_PVZZA ED01	Platform: ADNU-A Driver SW: GJ2EAA.122 Profiler SW: NGEAA.122	<b>Maintenance release on R1.2</b> Support for Windows 2000 and Windows 2000Pro Speed Touch™USB can from now on initialize the full 8Mbps on the ADSL line. Improved diagnostics.
R1.2.3	R1.2.3 Speed Touch™USB PPPoA/PPPoE Windows 98/98SE, 2000 POTS Line i/f CRN: 3EC17273BDAA_PVZZA ED01	Platform: ADNU-A Driver SW: GJ2EAA.123.4 Profiler SW: NGEAA.123.4	<b>Maintenance release on R1.2.2</b> Full WHQL compliant installation support. Cosmetic changes. Introduction of the M3P1 modem software and improved firmware.

	Description	Operational Codes	Remarks
R1.3.3	R1.3.3 Speed Touch™USB PPPoA/PPPoE Windows 98/98SE, 2000, ME Mac OS8.6, 9.0 POTS Line i/f CRN: 3EC17273CBAA_PVZZA ED01	Platform: ADNU-A Windows Driver SW: GJ2EAA.131.4 Windows Profiler SW: NGGEAA.131.4 Web WinUpgrade: KUUUAA.131.4 Mac Driver SW: GJ2EAB.133.3	<b>New release, based on the previous r1.2.x releases</b> Support for MS Windows ME Support for Mac OS8.6, 9.0 Introduction of embedded Dial-Up application on Windows OSs Introduction of executable upgrade software Introduction of F5 monitoring.
R1.3.4	R1.3.4 Speed Touch™USB PPPoA/PPPoE Windows 98/98SE, 2000, ME Mac OS8.6, 9.0, 9.1 POTS Line i/f CRN: 3EC17273CDAA_PVZZA ED02	Platform: ADNU-A Windows Driver SW: GJ2EAA.134.3 Windows Profiler SW: NGGEAA.134.3 Web WinUpgrade: KUUUAA.134.4 Mac Driver SW: GJ2EAB.134.1	<b>Maintenance release on R1.3.3</b> Introduction of Customization of installation and behaviour of driver software. Various SW improvements Support for Mac OS9.1
R1.4.0	R1.4.0 Speed Touch™USB RFC1483 Embedded PPPoA/Embedded PPPoE Windows 98/98SE/ME, 2000/XP POTS Line i/f CRN: 3EC17273DBAA_PVZZA ED01	Platform: ADNU-A Windows Driver SW: GJ2EAA.140.3 Windows Profiler SW: NGGEAA.140.3 Web WinUpgrade: KUUUAA.140.3	<b>New release based on previous R1.3.x Releases</b> Extended customization of installation and behaviour of driver software. Introduction of embedded PPPoE client. Support for MS Windows XP
R1.4.3	R1.4.3 Speed Touch™USB RFC1483 Embedded PPPoA/Embedded PPPoE Windows 98/98SE/ME, 2000/XP Mac OS8.6/9.x, Mac OS10.1 POTS Line i/f CRN: 3EC17273DEAA_PVZZA ED01	Platform: ADNU-A Windows Driver SW: GJ2EAA.140.3 Mac OS8.6/9.x Driver SW: GJ2EAB.134.3 Mac OS10.1 Driver SW: GJ2EAC.143.1 Windows Profiler SW: NGGEAA.140.3 Web WinUpgrade: KUUUAA.140.3	<b>Additional driver delivery on R1.4.0</b> Support for Mac OS10.1

	Description	Operational Codes	Remarks
R1.6.1	<p>R1.6.1</p> <p>–</p> <p>SpeedTouch™USB USB ADSL modem</p> <p>–</p> <p>RFC1483 Bridged/RFC1483 Routed Embedded PPPoA/Embedded PPPoE</p> <p>–</p> <p>Windows 98/98SE/ME, 2000/XP Mac OS8.6/9.x, Mac OS10.x</p> <p>–</p> <p>ADSL/POTS Line i/f ADSL/ISDN Line i/f</p> <p>–</p> <p>CRN: 3EC17273EAAA_PVZZA ED01</p>	<p>ADSL/POTS Platform: ADNU-A</p> <p>ADSL/ISDN Platform: ADNU-B</p> <p>Windows Driver SW: GJ2EAA.161.5</p> <p>Mac OS8.6/9.x Driver SW: GJ2EAB.161.3</p> <p>Mac OS10.1 Driver SW: GJ2EAC.161.1</p> <p>Windows Profiler SW: GNGEAA.161.5</p> <p>Web WinUpgrade: KUUUAA.161.5</p>	<p><b>New Release of the SpeedTouch™ USB</b></p> <ul style="list-style-type: none"> <li>- Introduction of ADSL/ISDN variant</li> <li>- Extended tone reach for ADSL/ISDN</li> <li>- Introduction of RFC1483 Routed (Routed IPoA) driver support</li> <li>- Multi-language support</li> <li>- ADSL standards selection</li> <li>- Software Dying Gasp</li> <li>- WHQL qualification for Windows XP</li> </ul>

## 2.2 Operating System Support History

Microsoft Operating Systems:

	Win95	Win98/Win98SE	WinME	WinNT4	Win2000	WinXP
R1.1	–	✓	–	–	–	–
R1.2	–	✓	–	–	–	–
R1.2.2	–	✓	–	–	✓	–
R1.2.3	–	✓	–	–	✓	–
R1.3.3	–	✓	✓	–	✓	–
R1.3.4	–	✓	✓	–	✓	–
R1.4.0	–	✓	✓	–	✓	✓
R1.6.1	–	✓	✓	–	✓	✓

Mac Operating Systems:

	Mac OS8.6	Mac OS9.0	Mac OS9.1	Mac OS10.x
R1.1	–	–	–	–
R1.2	–	–	–	–
R1.2.2	–	–	–	–
R1.2.3	–	–	–	–
R1.3.3	✓	✓	–	–
R1.3.4	✓	✓	✓	–
R1.4.3	✓	✓	✓	✓
R1.6.1	✓	✓	✓	✓

## 3 Delivery Information

### 3.1 Product Codes

#### 3.1.1 ADSL/POTS Variants

	Area	Alcatel Item Number	Description
PRL	–	3EC 18607 GAAB ICS04	R1.6.1 PPPoA VPI/VCI = 8/35
PRL	–	3EC 18607 GCAB ICS04	R1.6.1 PPPoA VPI/VCI = 0/35
PRL	–	3EC 18607 GFAB ICS04	R1.6.1 PPPoA VPI/VCI = 0/38
PRL	–	3EC 18607 GGAB ICS04	R1.6.1 PPPoA VPI/VCI = 8/48
PRL	–	3EC 18607 HEAB ICS02	R1.6.1 Embedded PPPoE VPI/VCI = 8/35
PRL	–	3EC 18607 HFAB ICS02	R1.6.1 Embedded PPPoE VPI/VCI = 0/35
PRL	–	3EC 18607 HAAB ICS04	R1.6.1 RFC1483 VPI/VCI = 8/35
PRL	–	3EC 18607 HCAB ICS04	R1.6.1 RFC1483 VPI/VCI = 0/35
PRL	Fixed ANSI	3EC 18607 GKAB ICS04	R1.6.1 PPPoA VPI/VCI = 8/35 Applied ADSL/POTS Standards blocking
PRL	US	3EC 18607 CDAB ICS04	R1.6.1 without CD-rom

#### 3.1.2 ADSL/ISDN Variants

	Area	Alcatel Item Number	Description
PRL	ISDN	3EC 18627 CDAB ICS02	R1.6.1 without CD-rom

## 3.2 Documentation Sets

### 3.2.1 General Guides

	Area	Alcatel Item Number	Description
CD-OG	–	3EC 36713 BAAA TCZZA Edition 01	CD-OG STUSB SpeedTouch™USB Operator's Guide
CD-RG	–	3EC 36718 AAAA TCZZA Edition 01	CD-UG STUSB Diagnostics SpeedTouch™USB Diagnostics Reference Guide
DOCP	–	3EC 17273 EAAA PVZZA Edition 01	DOCP-STUSB 1.6.1 Customer Release Note

### 3.2.2 PPP Installation and User's Guides

	Area	Alcatel Item Number	Description
DOC	–	3EC 36714 AAAA TCZZA Edition 02	CD-UG STUSB PPP English Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 ABAA TCAAB Edition 03	CD-UG STUSB PPP French Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 ACAA TCAAC Edition 03	CD-UG STUSB PPP German Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 ADAA TCAAD Edition 03	CD-UG STUSB PPP Spanish Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 AEAA TCAAE Edition 03	CD-UG STUSB PPP Portuguese Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 AFAA TCAAF Edition 03	CD-UG STUSB PPP Italian Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 ASAA TCAAS Edition 01	CD-UG STUSB PPP Swedish Speed Touch™USB PPP User's Guide
DOC	–	3EC 36714 AVAA TCAAV Edition 03	CD-UG STUSB PPP Dutch Speed Touch™USB PPP User's Guide

### 3.2.3 RFC1483 Bridging Installation and User's Guides

	Area	Alcatel Item Number	Description
DOC	–	3EC 36716 AAAA TCZZA Edition 01	CD-UG STUSB RFC English Speed Touch™USB RFC User's Guide
DOC	–	3EC 36716 ABAA TCAAB Edition 02	CD-UG STUSB RFC French Speed Touch™USB RFC User's Guide
DOC	–	3EC 36716 ACAA TCAAC Edition 02	CD-UG STUSB RFC German Speed Touch™USB RFC User's Guide
DOC	–	3EC 36716 ADAA TCAAD Edition 02	CD-UG STUSB RFC Spanish Speed Touch™USB RFC User's Guide
DOC	–	3EC 36716 AEAA TCAAE Edition 02	CD-UG STUSB RFC Portuguese Speed Touch™USB RFC User's Guide
DOC	–	3EC 36716 AFAA TCAAF Edition 02	CD-UG STUSB RFC Italian Speed Touch™USB RFC User's Guide

### 3.3 Software Versions

ADNU-A / ADNU-B Software components		
Component	Alcatel item number	Remarks
Operational Code	3EC 17045 AAAA GJ2EAA.161.5	R1.6.1 Windows OS
Operational Code	3EC 17045 ABAA GJ2EAB.161.3	R1.6.1 Mac OS8.6/Mac OS9.x
Operational Code	3EC 17045 ACAA GJ2EAC.161.1	R1.6.1 Mac OSX (Mac OS10.x)
Profiler	3EC 17180 AAAA GNGEAA.161.5	R1.6.1 Windows Profiler
Windows Web Upgrade	3EC 17831 AAAA KUUUAA.161.5	R1.6.1 Windows Upgrade

The Windows Web Upgrade application will be available from the SpeedTouch™ website at:

*<http://www.speedtouch.com>*



## 4 Known Restrictions

### 4.1 Microsoft Windows Driver Restrictions

#### 1. Upgrading the PC's OS from MS Windows 98 to MS Windows 2000 or MS Windows XP

**Problem** After upgrading your PC's OS, the **Speed Touch™USB** drivers stop functioning correctly.

**Workaround** Reinstall the **Speed Touch™USB** drivers on your MS Windows 2000 or MS Windows XP PC.

#### 2. Third party PPPoE client connection is lost after exiting suspend mode

**Problem** If your PC exits suspend mode, the third party PPPoE client application erroneously displays the connection to be up and running.

**Workaround** Close and reopen the PPPoE Client connection.

#### 3. UHCI USB Host Controller problem

**Problem** The **Speed Touch™USB** drivers do not work on MS Windows 2000 dual processor systems using a VIA UHCI USB Host Controller chip. On MS Windows XP systems this is no longer a problem.

**Workaround 1** Use a PCI plug-in OHCI USB card.

**Workaround 2** Upgrade to MS Windows XP.

#### 4. The Microsoft Windows VPN (ATM) adapter can not run on top of the Speed Touch™USB

**Workaround** None..

## 4.2 Apple Mac OS8.6/9.x Driver Restrictions

### 1. Third party PPPoE client connection is lost after exiting suspend mode

**Problem** If your PC exits suspend mode, the third party PPPoE client application erroneously displays the connection to be up and running.

**Workaround** Close and reopen the PPPoE Client connection.

### 2. On an iMac, running Mac OS8.6, the 'Loss of frame' and 'Loss of Signal' counters are not working after applying the reset button in combination with unplugging the ADSL line. Also the control strip icon shows a wrong Speed Touch™ USB status

**Workaround** Close the diagnostics application and restart it.

### 3. Minimum system requirement : Apple Mac G3 with onboard USB

## 4.3 Apple Mac OSX (Mac OS10.x) Restrictions

### 1. The system may become unstable after unplugging the Speed Touch™USB

**Workaround** Reboot the system.

### 2. The system may become unstable after a long period of time in case the Speed Touch™USB Dockling is present in the Dock and/or the Diagnostics application is running

**Workaround** Do not leave the Speed Touch™USB Dockling active and/or the Diagnostics application running over longer periods of time.

## 4.4 PPPoE MacPoet Session Client Restrictions

In case the **Speed Touch™USB** RFC1483 Bridged device is used in combination with the MacPoet session client application, the following restrictions apply:

### 1. MacPoet does not allow to unplug the Speed Touch™USB

**Workaround** None

### 2. MacPoet configuration Procedure

#### Procedure

Step	Action and Description
1	Install the <b>Speed Touch™USB</b> RFC1483 (Bridged) software drivers from the installation CD-rom.
2	Install the MacPoet session client application.
3	Copy the ' <b>AlcatelDLPInit</b> ' file from your installation CD-rom to the <i>/System Folder/Extensions/</i> folder on your local Macintosh HD. <b>Note:</b> Please be sure that the ' <b>AlcatelDLPInit</b> ' filename starts with a blank character.
4	Plug the <b>Speed Touch™USB</b> into the computer's USB port. <b>Note:</b> Do not disconnect the <b>Speed Touch™USB</b> from your computer during the further procedure.
5	Open the TCP/IP Control Panel, select 'Connect via <b>Ethernet Slot 0</b> ' and configure the following settings manually: <i>IP Address: 192.0.0.1</i> <i>Subnet mask: 255.255.255.0</i> <i>Router address: 192.0.0.2</i> You can add the needed information for the <i>Name server addr.</i> and <i>Search domains</i> fields if applicable for your local configuration. Save the settings you have made.
6	Restart your computer.

## 4.5 Profiler/Customization Restrictions

**1. In case a fresh installation is started from a customized Installation CD-rom with : Gui=0, Install=0, Upgrade=0 and Remove=0 settings in the Setup.ini file the installation will fail**

**Workaround** Use the following settings instead for a correct behaviour : Gui=0, Install=1, Upgrade=1 and Remove=1.

