

UK

TRUST MINI USB ISDN MODEM

Macintosh Instruction Manual

Version 1.0

Thank you

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1 Introduction

This instruction manual is for users of the Trust Mini USB ISDN Modem on iMAC or Power PC. This external ISDN Modem is suitable for a fast Internet connection, e-mail and other applications.

1.1 SPECIAL NOTES for MAC OS 9.04 / 9.1 / 9.21

There is a known bug of Open Transport drivers for the USB performance issue in MAC OS 9.04 / 9.1 / 9.21 when machine is not connected to a network. For this issue, AppleTalk shall set to "Remote Only" and TCP/CP to "PPP" when LAN is not connected. The known bug is the new Open Transport drivers in MAC OS 9.04 / 9.1 / 9.21 will hog the CPU if machine is not connect to a network. To solve this problem, please Set AppleTalk to "Remote Only" and TCP/IP to "PPP" when machine is not connected to a network.

1.2 Release History

Driver version: 1.1.2.

Release Date: 06.20.2001

Driver version: 1.1.3.

Release Date: 09.20.2001

Power LED shall be turned on when ISDN USB device is connected.

The ISDN LED shall be turned off when the ISDN line is removed.

New USB DDK 1.5 is used.

Driver version: 1.1.6.

Release Date: 10.19.2001

Solve BOD problems.

Use New DDK 1.5.5f1 compiling drivers in MAC OS 9.21

New USB DDK 1.5 is used.

NOTE: *Please delete all files belonged to old version drivers before you install the new version drivers (Not necessary for the preference files). Check "Installer Log File" in the directory "USB ISDN TA128 CE 1.1.3" for installed files.*

2 Installing the Trust Mini USB ISDN Modem

2.1 Upgrade your iMac / G3 for USB, if necessary

Apple is improving its USB software for better quality and performance. Please visit Apple Software Updates web site at <http://www.apple.com/swupdates> for up-to-date information.

Also, before you install the drivers you must have 32 MB RAM and Mac OS Version 8.6 or above since these drivers are developed using USB 1.4.1 DDK. Apple has formally qualified USB 1.4.1 on iMac and Power Macintosh G3 system with built-in USB support as of System Software (SSW) v8.6.

For iMac with Mac OS 8.5 or Mac OS 8.5.1: You have to execute "iMac Update 1.1" and "iMac Firmware Update".

For Blue & White G3: You have to execute "G3 Firmware Update 1.X.smi".

2.2 Driver installation

NOTE: *make sure the Trust Mini USB ISDN Modem is unplugged from the USB port, before installing the driver!*

Follow the instructions below for installing the Trust Mini USB ISDN Modem

1. Insert the CD-ROM with the drivers into your CD-ROM drive
2. Double-click on the CD-ROM icon on the desktop to open the CD-ROM contents
3. Drag the compressed HQX driver file, which can be found on the driver CD-ROM to the desktop to copy the driver file to your hard drive. You can choose between the following 2 driver files:
 - 'Tiny USB ISDN TA Installer' for MacOS 8.6 and 9.x
 - 'ISDN CE (or Tiny) V1.0.sit' for MacOS X
4. Extract the HQX driver file with a program like 'Stuffit Expander'. This program can be downloaded for free at www.aladdinsys.com
5. Run the extracted 'USB ISDN TA128 CE INSTALLER' program. It will setup the necessary drivers for the Trust Mini USB ISDN Modem. Follow the on-screen instructions for installation.

NOTE: *As quoted from "System Requirements for USB 1.4.1" of "Mac OS USB DDK Readme"-- "Apple is formally qualifying USB 1.4.1 on the Macintosh systems with built-in USB and the update software to SSW 9.0 installed. You can also test with the Mac OS 8.6 and greater", for Mac OS earlier than 8.6 (e.g., 8.5.1, 8.5) users, please update the MAC OS to 8.6 above and the firmware also.*

NOTE: *For non-English MAC OS, please install modem scripts in the subdirectory 'Modem Scripts (CCLs)' of directory "USB ISDN TA128 CE V1.1.6" manually by dropping them on the system folder.*

2.3 Hardware installation

1. Connect the USB cable of the Trust Mini USB ISDN Modem to a free USB port of your iMac or to the USB conversion card connected to your Mac PowerPC.
2. Connect the RJ-45 connector to the "ISDN" jack of the Trust Mini USB ISDN Modem and plug the other end of the cable to the S/T jack of your NT1.

3 Getting on the Internet

3.1 Settings for the Trust Mini USB ISDN Modem

3.1.1 MODEM settings

- Control Panels -> modem
- Selection Window of "Connect via" : USB ISDN TA128 CE
- Selection Window of "Modem" : USB ISDN TA PPP 64K

3.1.2 TCP/IP settings

- Control Panels -> TCP/IP
 - Selection Window of "Connect via" : PPP
 - Selection Window of "Configure" : Using PPP Server
 - In the field of "Name server addr." : Enter one local Name Server IP
- (If you are using fixed IP, you have to choose "Manually" to set the IP.)

3.1.3 Remote Access (for iMac) or PPP (for Power PC) settings

- Control Panels -> Remote Access (for iMac)
- Control Panels -> PPP (for Power PC)
- Fill the fields of "Name", "Password" and "Number" for ISP respectively.
- Press "Connect"

3.2 Start your Web Browser

- Start your web browser (e.g., Netscape or I.E.) for Internet access

3.3 Checking after installation

After installing driver, you will have the files at the following folders (It may be different for different version):

- USB ISDN TA128 CE driver in "System Folder -> Extensions"
- USB ISDN TA128 CE V1.1.6 folder in desktop.
- Modem script files "USB ISDN TA PPP/T70/X75/V.120/V.110 64K/ MP/PPP 128K": in "System Folder -> Extensions -> Modem Scripts"

3.4 Using BOD or Suspend/Resume

- To use BOD or Suspend/Resume of 2nd B channel, please choose the MP/PPP 128K modem script.

4 Configuring the Trust Mini USB ISDN Modem

By running the configuration program 'ISDN USB TA Configuration' in the directory "USB ISDN TA128 CE V1.1.6 ", you can set configuration values for 'Switch Type', 'Outgoing calling party number' and 'Incoming MSN'.

An 'ISDN USB TA Preferences' preference file will also be created in the "System Folder -> Preferences."

5 Unplugging the Trust Mini USB ISDN Modem

NOTE: *If you unplug the Trust Mini USB ISDN Modem, you should close all the application programs running on top of the ISDN Modem. Because an I Mac device can only be accepted by ONE application at a time. Even you unplug the ISDN Modem, this device driver is still accepted under that application. You must close the application before/after you unplug the ISDN Modem. But be sure that you MUST close the application before you plug it again. If you forget to do that, the ISDN Modem will not work properly when you plug it again.*

6 Uninstallation

If you want to uninstall the driver, you can just delete files you have installed. Check "Installer Log File" in the directory "USB ISDN TA128 CE V1.1.6." for installed files.

7 AT Command Set

<any key>	Terminate current connection attempt
+++	Escape sequence code
A	Answer call
D	Dial
DT	Dial
DP	Dial
DL	Dial previous number
DS=n	Dial stored number "n" (0<=n<=3)
E	
E0	Disable character echo in command state
E1	Enable character echo in command state
H	Terminate existing connection
I	View Product information
O	Return to online data state
Q	
Q0	Modem returns result code
Q1	Modem does not return result code
Z	Reset to default configuration
&Jn	MP enable/disable settings
0	MP is disabled
2	MP is enabled
&V	View current active settings
S0=n	Ring on which to automatic answer a call(0<=n<=9 , n=0 disable automatic answer mode)
S0?	View number of ring
S33=n	Set B channel protocol
1	X.75 T.70NL
2	X.75 transparent
3	HDLC
4	V.120
5	Voice call
6	PPP
7	V.110 38400 async
8	V.110 19200
9	V.110 9600
S33?	View B channel protocol
&Zn=r	Store Telephone Number (0<=n<=3)
&Zn?	View Stored Telephone Number (0<=n<=3)

8 Trust Customer Care Centers

www.trust.com	
Residents in the UK and Ireland should contact:	
From 8:00 - 16:00	UK Office Phone +44-(0)0845-6090036 Fax +44-(0)1376-514633
I residenti in Italia possono contattare:	
Orario: 9:00 - 13:00 / 14:00 - 18:00	Ufficio italiano Telefono +39-051-6635947 Fax +39-051-6635843
Les habitants de la France et de l'Afrique du Nord peuvent contacter :	
De 9:00 à 17:00	Bureau français Téléphone +33-(0)825-083080 Fax +33-(0)1-48630261
Kontaktadresse für Einwohner Deutschlands:	
Erreichbar: 9:00 - 17:00	Deutsche Geschäftsstelle Telefon 0800-00TRUST (0800-0087878) Fax +44-(0)2821-58873
Los habitantes de España pueden ponerse en contacto con:	
De las 9:00 a las 17:00 horas	Oficina española Teléfono +34-(0)902-160937 Fax +31-(0)78-6543299
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