DIGITUS®

USB TO SERIAL CONVERTER



Quick Installation Guide Mac OS X DA-70158

Welcome to the Mac OS X Installation Guide

This document describes the procedure for installing the Mac OS X FTDIUSBSerial driver for FTDI's FT2232C, FT232BM, FT245BM, FT8U232AM and FT8U245AM devices. The driver is available for free download from the Drivers section of the FTDI web site.

Installing FTDIUSBSerialDriver

Download the driver from the Drivers section of the FTDI web site and save it to the hard disk. The driver is now available in disk image (.dmg) format. Run the installer by double clicking on the FTDIUSBSerialDriver.dmg icon.

0 0	Install FTDIUSBSerialDriver Kernel Extension	
	Welcome to the FTDIUSBSerialDriver Kernel Extension Installer	
 Introduction Read Me Select Destination Installation Typ Installing Finish Up 	on e	
	Go Back Continue)

1. Click Continue to proceed with the installation and follow the instructions on screen. When the installation is complete, reboot the computer.

0 0	Install FTDIUSBSerialDriver Kernel Extension
	Install Software
 Introduction Read Me Select Destination Installation Type Installing Finish Up 	on The software was successfully installed
	Click Restart to finish installing the software.
	Go Back Restart

2. When the computer has rebooted, plug in the device. If the device is installed properly, you will see entries in the /dev directory:

/dev/cu.usbserial-xxxxxxx

/dev/tty.usbserial-xxxxxxx

where xxxxxxx is either the device's serial number or, for unserialized devices, a location string that depends on which USB port your device is connected to. Note that for FT2232C devices port A is denoted by the serial number appended with "A" and port B is designated by the serial number appended with "B"./dev can be accessed through the Terminal application. The Terminal application can be launched by selecting Go > Applications > Utilities > Terminal. Type the following lines in the Terminal window to produce the file list:

cd /dev

ls-l

If you run the application System Preferences and select Network (Go > Applications > System Preferences > Network), you should see the text "New Port Detected".



3. Click OK and select Network Port Configurations from the Show list. The new port can be enabled from this screen by checking the On box and clicking Apply Now.

ow All D	isplays Sour	Network	Startup Disk	
	Lo	Show: Ne	itomatic twork Port Configur	rations
	Check a c Drag conf connectin	onfiguration igurations in g to a netwo	i to make it active. nto the order you wa ork.	ant to try them when
	On Port Configurations usbserial-1822 Internal Modem Suilt-in Ethernet			New Edit Delete Duplicate

4. At this point, it is possible to exit Network and use the device as a COM port. If you wish to set the device up a a modem for an Internet connection, select the new port from the Show list to display the window below. Please note that the FT2232C device has two ports available and these must be configured separately.

ow All Displays	Sound Net	york Startu	p Disk		
	Location	Automat	ic		•
	Show	usbseria	I-1B22		•
	PPP	TCP/IP	Proxies	Modem)
Sen	vice Provide				(Optional)
Ac	count Name				
	Password	I:			
Teleph	one Number	:			
Alterr	nate Number	:			(Optional)
		Save Check access	password ing this box a this Internet	llows all user account with	s of this computer to out entering a password.
		(PPP O	ptions)	Dial N	ow)

5. Entries for this screen are specific to the Internet account for each user. If you do not know the required details, contact your Internet service provider.

Uninstalling FTDIUSBSerialDriver

To remove the drivers from Mac OS X, the user must be logged on as root. Root is a reserved username that has the privileges required to access all files.

Start a Terminal session (Go > Applications > Utilities > Terminal) and enter the following commands at the command prompt:

cd /System/Library/Extensions

rm -r FTDIUSBSerialDriver.kext

The driver will then be removed from the system.

To remove the port from the system, run the application SystemPreferences and select Network. Selecting Network Port Configurations from the Show menu will display the port as greyed out. Select the uninstalled port and click Delete. Confirm the deletion to remove the port.

Location: Automatic	•
Show: Network Port Configu	arations 🛟
Connecting to a network.	
usbserial-1822	New
Internal Modem Built-in Ethernet	Edia
	Edit
	Delete
	Duplicate
	6

Troubleshooting

How do I know what my deviceID is?

Launch the System Profiler utility, or Apple System Profiler for earlier versions of OS X. This can be accessed by going to the Finder and selecting Applications from the Go menu, then open the Utilities folder.

Select USB under Hardware in the pane to the left and then select the appropriate device from the USB Device Tree. In the screen shot below (from OS 10.3), the device has a deviceID given by: Vendor Name: FTDI

Prioduct ID: 24577 (\$6001)

A Vendor Name of FTDI is equivalent to a Vendor ID of 1027 (\$0403).

00	System Profile	
Andy's eMac		10/01/2005 08:37
Contents	USB Device Tree	
	USB Bus	
Memory	▼USB Bus	
PCI/AGP Cards	The state of the s	
ATA	US8 <-> Serial	
SCSI	Apple Optical USB Mouse	
U58	Apple Extended US8 Keyboard	
FireWire	USB Bus	
AirPort Card	USB High-Speed Bus	
Modems		
Applications		
Extensions	USB <-> Serial:	
Network.		
Logs	Vendor Name: FTDI	
	Product ID: 24577 (56001)	
	Bus Power (mA): 100	

If the device does not work after installing the driver, it is likely to be because the PID is not supported by the driver. If this is the case, contact FTDI Support with the PID that needs to be added to the driver. If the VID is not 0x0403, it is likely that the device is not an FTDI device and we cannot support it.

The device does not appear in the /dev directory or the text "New

Port Detected" is not displayed in SystemPreferences-Network

FTDIUSBSerialDriver does not support your deviceID (VID and PID). Disable the EEPROM so that the device reverts to its default deviceID, then replug.

To get support for your deviceID built into FTDIUSBSerialDriver, contact FTDI quoting your deviceID and a description of your device.

The device cannot be accessed even though the deviceID is supported in FTDIUSBSerialDriver

An ownership or permissions problem is preventing the system from making the device accessible. Check that the driver is owned by root and wheel. The most common symptom is the group for FTDIUSBSerialDriver is not wheel. To change the group, login as root and perform the following script in a Terminal window (Go > Applications > Utilities > Terminal):

cd /system/library/extensions

chgrp -R wheel FTDIUSBSerialDriver.kext

Reboot for the change to take effect.

Hinweis: Bei falscher Installation und unsachgemäßem Gebrauch im Wohnbereich kann das Gerät Störungen bei Rundfunkgeräten und anderen elektronischen Geräten verursachen. Ein sachgemäßer Gebrauch liegt vor, wenn das Gerät, soweit durchführbar, mit geschirmten Anschlusskabeln betrieben wird (bei Netzwerkprodukten zusätzlich geschirmter Kabel der Kategorie 5e und höher). Das Gerät wurde getestet und liegt innerhalb der Grenzen für Computerzubehör der Klasse B gemäß den Anforderungen nach EN 55022.

Warnung: Dieses Produkt entspricht der Prüfklasse B - es kann im Wohnbereich Funkstörungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen durchzuführen und dafür aufzukommen. Konformitätserklärung: Das Gerät erfüllt die EMV-Anforderungen nach EN 55022 Klasse B für ITE und EN 55024. Geräte mit externer oder eingebauter Spannungsversorgung erfüllen weiterhin die Anforderungen nach EN 61000-3-2 und EN 61000-3-3. Damit sind die grundlegenden Schutzanforderungen der EMV-Richtlinie 2004/108/EC erfüllt. Die CE-Konformität wurde nachgewiesen. Die entsprechenden Erklärungen sind beim Hersteller hinterlegt.

www.assmann.com ASSMANN Electronic GmbH Auf dem Schüffel 3 58513 Lüdenscheid Germany