
FTDI Windows 2000 Drivers – Installation Guide

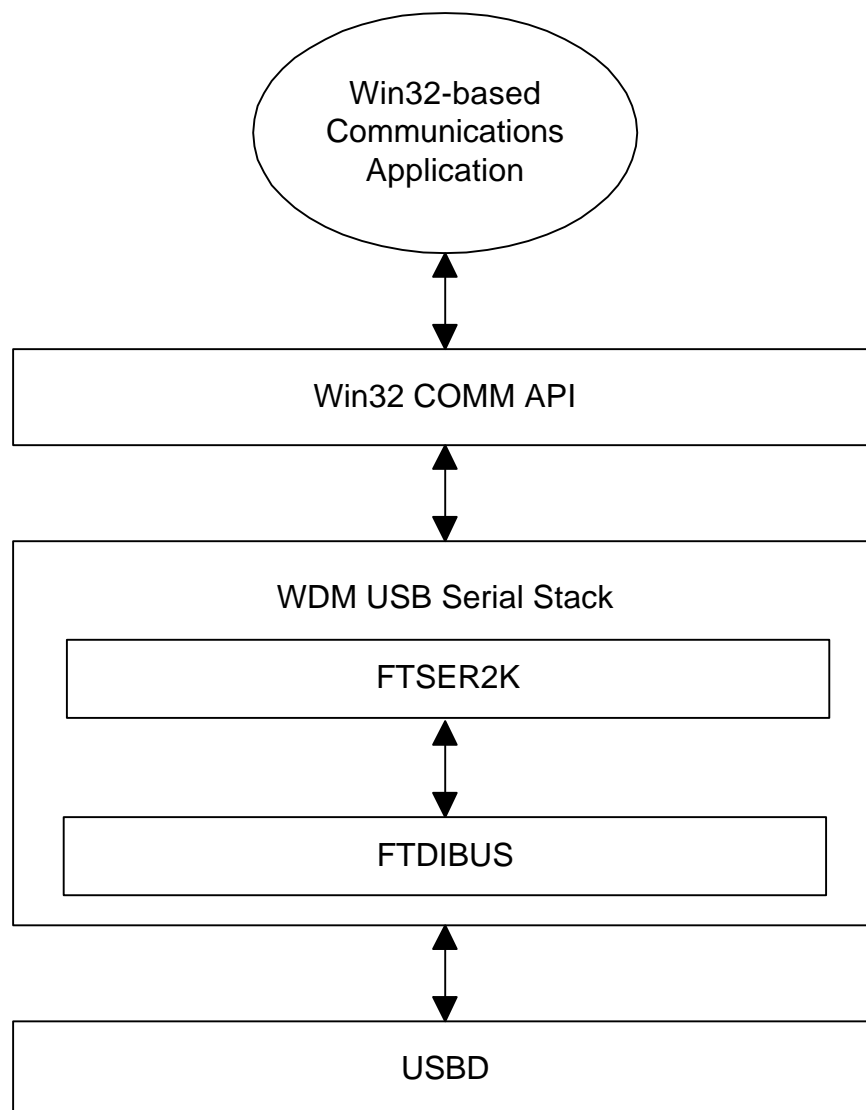
This document describes the installation of FTDI's Windows 2000 drivers for the USB to serial function supported by FTDI's FT8U100AX USB Hub Controller. The guide consists of a driver summary, a guide to installing the drivers with generic INF files and finally a guide to uninstalling the drivers.

Driver Summary

The USB <-> Serial Port drivers include the following modules

ftdibus.sys	WDM driver for serial converter
ftser2k.sys	WDM driver for serial communications
ftdibus.inf	INF file supporting installation of USB to Serial converter
ftser2k.inf	INF file supporting installation of Serial port

The latest versions of these files can be requested from FTDI by e-mailing support@ftdi.co.uk or by downloading from FTDI's web page – at <http://www.ftdi.co.uk/support>.



Installing the Drivers

The following section describes the installation of FTDI's Windows 2000 followed by the installation of a serial modem on the newly installed serial port.

Where earlier versions of FTDI drivers have been loaded on the installation machine or where problems are being encountered please uninstall FTDI's drivers using the Windows 2000 Add/Remove Hardware Wizard in combination with FTDI's ft2kutil utility (as described later in this document).

First copy driver and INF files onto a floppy. Plug in USB to serial cable.

This brings up the Found New Hardware Wizard – Searching for Drivers. The walkthrough is fairly straightforward – select [Next] when required, pointing the Wizard to search floppy a: . This installs the drivers for FTDI's USB to Serial Converter.

This is then repeated with the Found New Hardware Wizard 'Searching for Drivers' for the USB Serial Port.

Once this has completed successfully the installation can be checked as follows

My Computer -> Control Panel -> System -> Hardware -> Device Manager ->View

First select to view by connection

Standard PC -> PCI Bus -> PCI to USB Host Controller -> USB Root Hub -> USB Serial Converter

Then select to view by type

Ports (COM & LPT) -> USB Serial Port (COMx)

Plug modem serial cable socket into USB to serial cable dongle. Select

My Computer -> Control Panel -> Phone and Modem

Select Add Modem – and proceed to load Windows 2000 drivers for modem.

If an .INF file is available for the modem of choice then Windows will complete plug and play interrogation of the modem and configure it as required, otherwise the modem will be installed as a standard modem.

To test the modem

My Computer -> Control Panel -> Phone and Modem

select the modem of interest then

Properties -> Diagnostics -> Query Modem

Alternatively connect to the internet through an ISP, remembering to change settings to use the newly installed modem.

Uninstalling the drivers

FTDI's FT2KUNIN utility should be used to uninstall the drivers in conjunction with Add/Remove Hardware - it does not replace it. Uninstall the device using the Add/Remove Hardware wizard, then run FT2KUNIN to complete the uninstallation.

FT2KUNIN can be run from a CommandPrompt in the following manner :-

```
FT2KUNIN [INI_FILE]
```

where the optional parameter INI_FILE specifies the **full path name** of a file containing uninstall information. If INI_FILE is not specified on the command line, the uninstaller will default to using uninstall information for generic FTDI devices. That is, it will behave as if it has been supplied with a .INI file of the following format :-

```
[Uninstall]
Device=VID_0403&PID_8372
Converter=FTDIBUS
Serial=FTSER2K
```

This provides FT2KUNIN with the VID and PID for the USB Serial Converter (VID_0403&PID_8372), and the names of the USB Serial Converter and USB Serial Port drivers (FTDIBUS.SYS and FTSER2K.SYS respectively).

For a company using their own VID and PID, eg VID=0123 and PID=6789 the Device line of the uninstall information file would look like this :-

```
Device=VID_0123&PID_6789
```