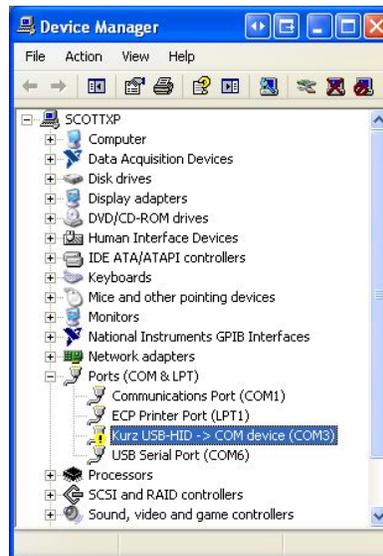


<b>REVISION HISTORY</b>				
<b>ECO NUMBER</b>	<b>REV. NUMBER</b>	<b>DESCRIPTION OF CHANGE</b>	<b>ORIGINATED BY</b>	<b>EFFECTIVE DATE</b>
C47165	A	Created	Oscar N. Morla	09-15-2006
C47260	A1	Updated to include Vista.	Bruce B. Burton	10-10-2007
C47265	B	Corrected procedure to account for Vista and XP issues.	Scott Schindler	12-27-2007
C47401	C	Updated to reflect new driver.	Scott Schindler	04/07/2010

## Kurz USB-HID COM Port Driver Installation

<b>APPROVALS/SIGN-OFF</b>			
	<b>PRINT NAME</b>	<b>SIGNATURE</b>	<b>DATE</b>
ORIGINATOR	Scott Schindler	Scott Schindler	4/7/2010
REVIEWER	Oscar N. Morla	Oscar N. Morla	4/7/2010
REVIEWER	Bill Seiler	Bill Seiler	4/7/2010

Kurz has released a new USB-HID -> COM driver. If the older version of the driver is installed and used with a newer MFTB device the communications will no longer work. The new driver needs to be installed from the Customer CD received with the new MFTB device. If the old driver is used, the device will show in the Device Manager similar to the image labeled Old Driver.

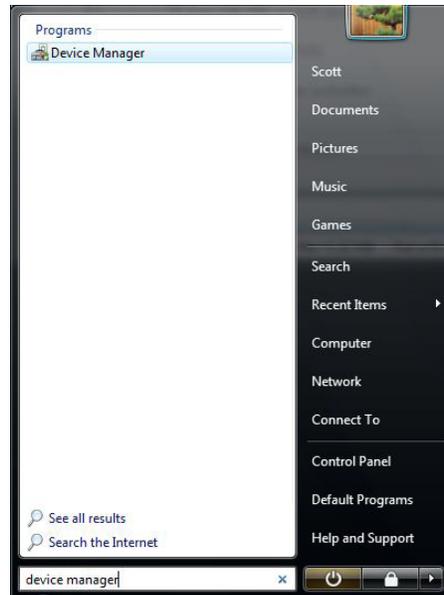


**Old Driver**

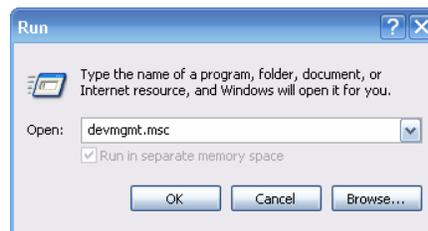
## Driver Installation (All)

### Supported versions of Windows: 7, Vista, and XP

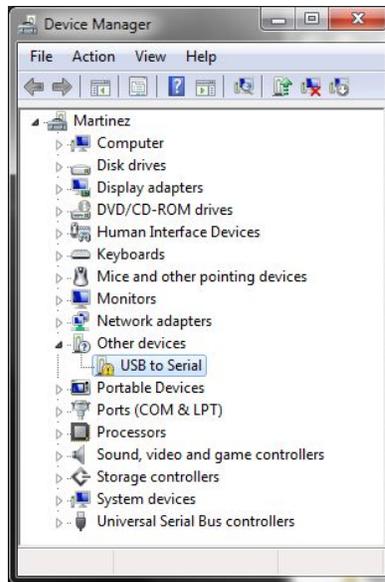
1. Insert the USB driver CD into the CD Drive.
2. **(7, Vista)** Open the Device Manager by clicking on the Windows Start button and typing *device manager* in the text box and click the program listed in the programs section. Administrator privileges are required to install device drivers.



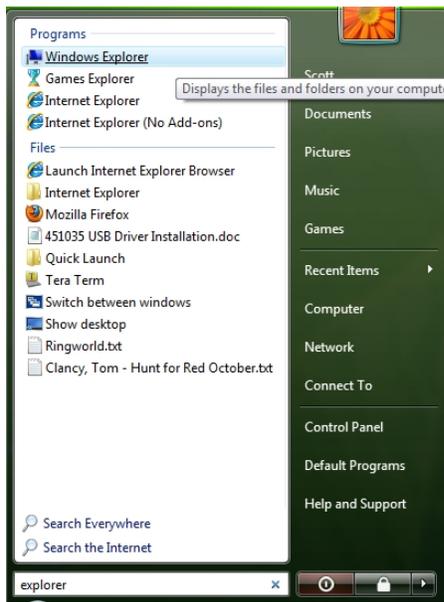
(XP) Open up the device manager from the Control Panel or by clicking the Start button, clicking Run..., entering *devmgmt.msc* in the text box, and clicking OK. Administrator privileges are required to install device drivers.



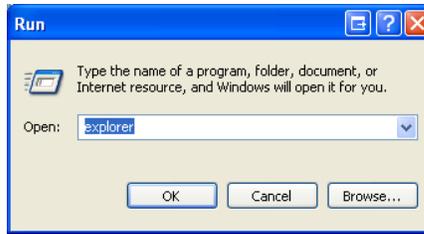
3. Plug-In the MFTB device to one of the USB ports of the computer. The MFTB device must be powered to proceed. A new entry should register in the *Other devices* category called *USB to Serial*.



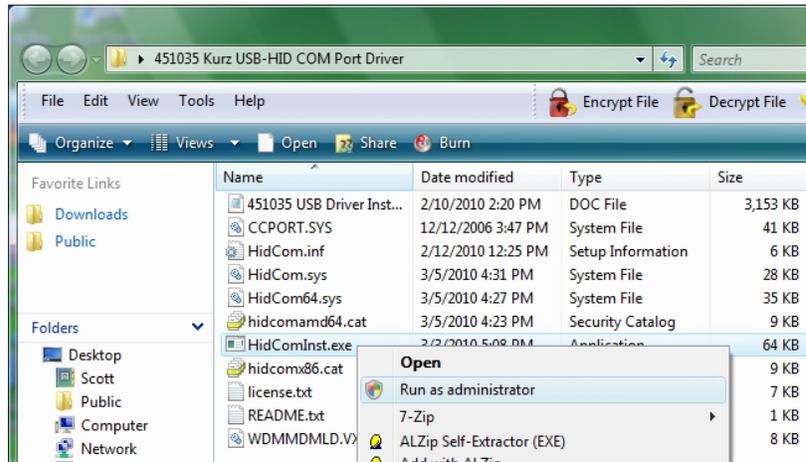
4. **(7, Vista)** Open the Windows Explorer by clicking on the Windows Start button and typing *explorer* in the text box and click the program listed in the programs section.



- (XP)** Open up the Windows Explorer by clicking the Start button, clicking Run..., entering *explorer* in the text box, and clicking OK.



5. Navigate to the location of the Kurz USB-HID -> COM driver.
6. Locate *HidComInst.exe*.
7. **(7, Vista)** Right click *HidComInst.exe* and choose *Run as administrator*.



**(XP)** Run *HidComInst.exe* by double clicking on it.

8. **(7, Vista)** Windows will prompt the user to verify the installation of the device software. Click *Install*. Note: Windows 7 (32 and 64-bit) and Vista 64-bit OS support Kernel-Mode Code Signing (KMCS) therefore the window will look similar to the image below labeled Authenticode Signature. Windows Vista 32-bit, and XP (32 and 64-bit) do not support KMCS.

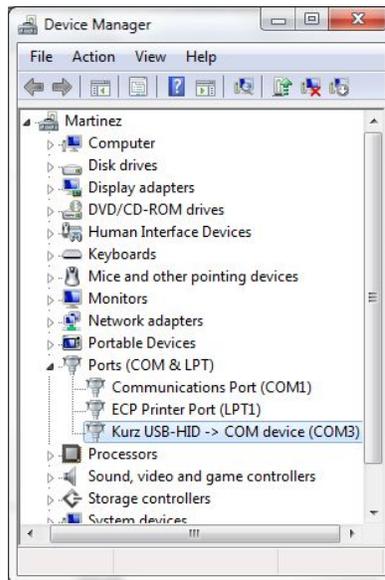


**Authenticode Signature**

**(XP)** Windows will prompt the user to verify the installation of the device software. Note: The Kurz USB-HID -> COM driver is not Windows Logo tested. Click *Continue Anyway*.



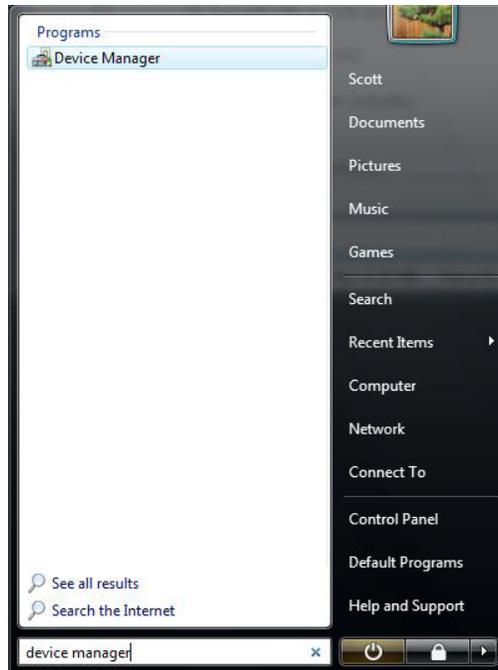
9. After several seconds the Device Manager will update to show the new port. The MFTB Device is now registered as a COM port. In this case the COM port to be used by a terminal emulator program or KzComm is COM3. If the MFTB Device has not registered as a COM port after one minute, cycle the power on the MFTB Device. It should now register.



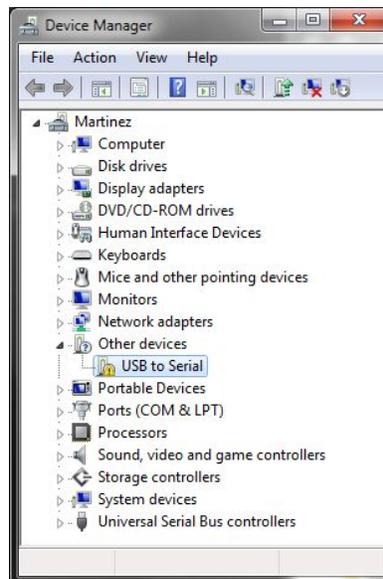
10. If the device does not register, see the Explicit Driver Installation sections for Windows [7](#), [Vista](#), and [XP](#).

## Explicit Driver Installation (7 and Vista)

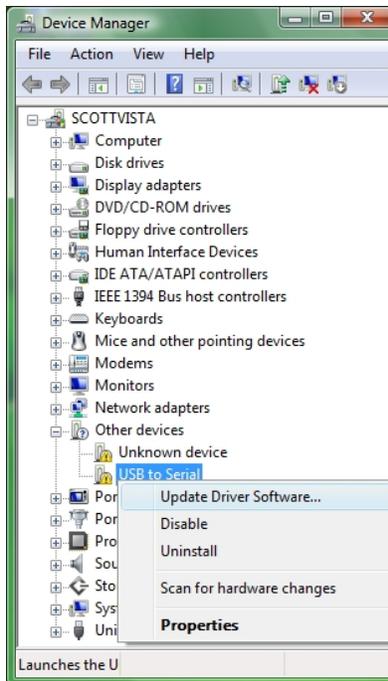
1. Insert the USB driver CD into the CD Drive.
2. Open the Device Manager by clicking on the Windows Start button and typing *device manager* in the text box and click the program listed in the programs section. Administrator privileges are required to install device drivers.



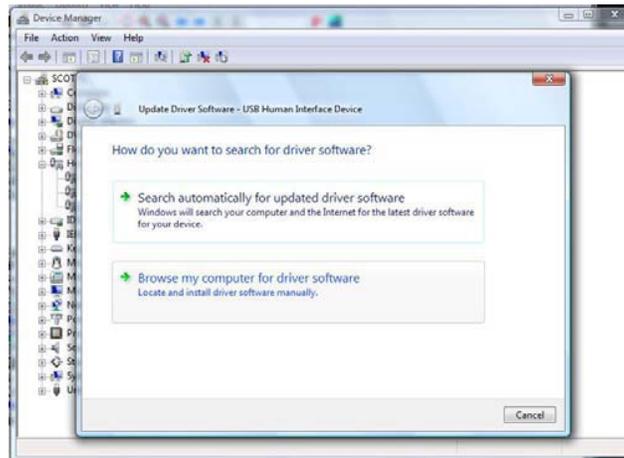
3. Plug-In the MFTB device to one of the USB ports of the computer. The MFTB device must be powered to proceed. A new entry should register in the *Other devices* category called *USB to Serial*.



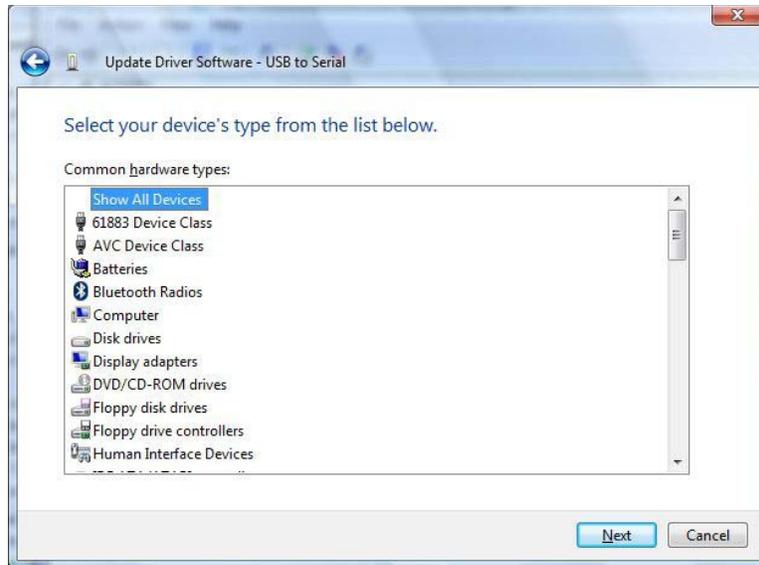
4. Right click on the new *USB to Serial* and click *Update Driver Software...*



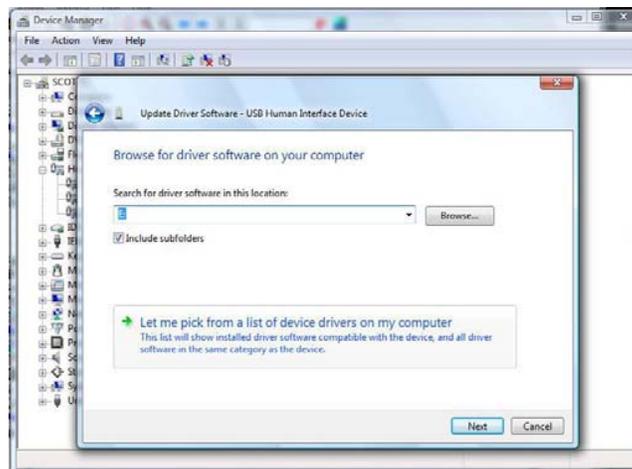
5. Choose the *Browse my computer for driver software* option.



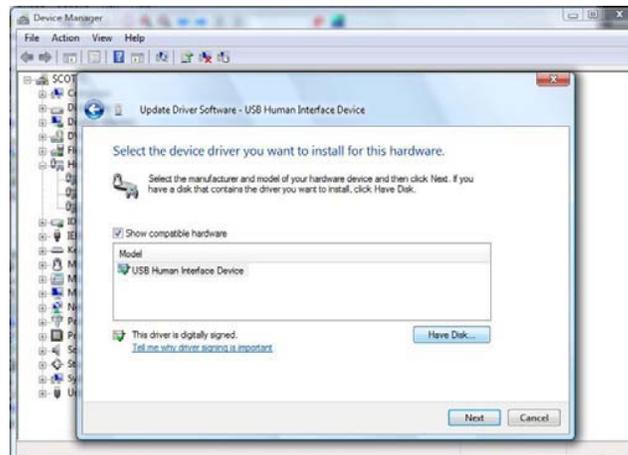
6. If you see the following window, select the *Show All Devices* option.



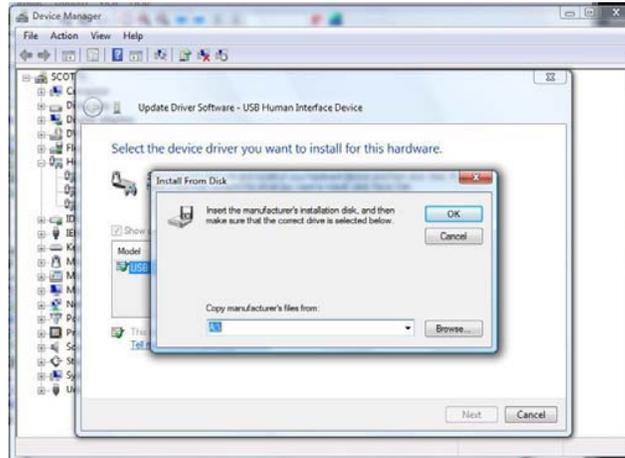
7. Choose the *Let me pick from a list of device drivers on my computer* option.



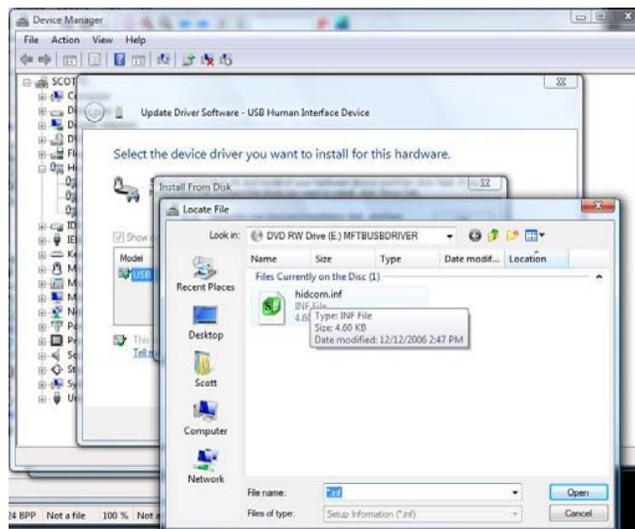
8. Select the *Have Disk...* button.



9. Click the *Browse* button.



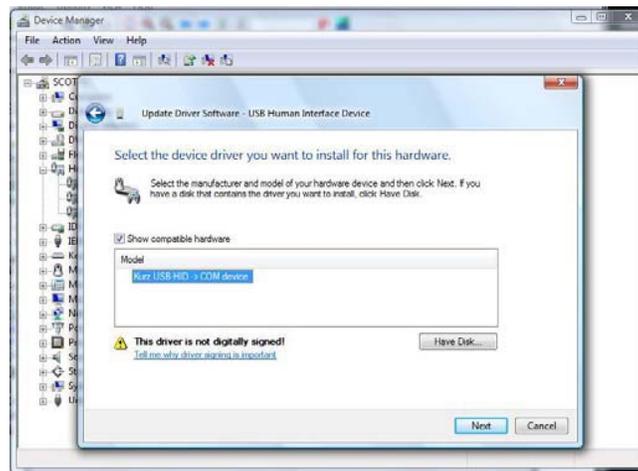
10. In the Locate File window browse to the CD with the Kurz USB Device Driver for the PC and select the hidcom.inf file. This file may be found in the Kurz USB Device Driver for the PC folder.



11. In the Install From Disk window, the path should be to the directory where the file you just located is found. Click OK.
12. The Kurz USB – HID -> COM Device should now be found in the Model box. Click Next. Note: Windows 7 (32 and 64-bit) and Vista 64-bit OS support Kernel-Mode Code Signing (KMCS) therefore the window will look similar to the image below labeled Authenticode Signature. Windows Vista 32-bit, and XP (32 and 64-bit) do not support KMCS therefore the window will look similar to the image below labeled Not Digitally Signed.

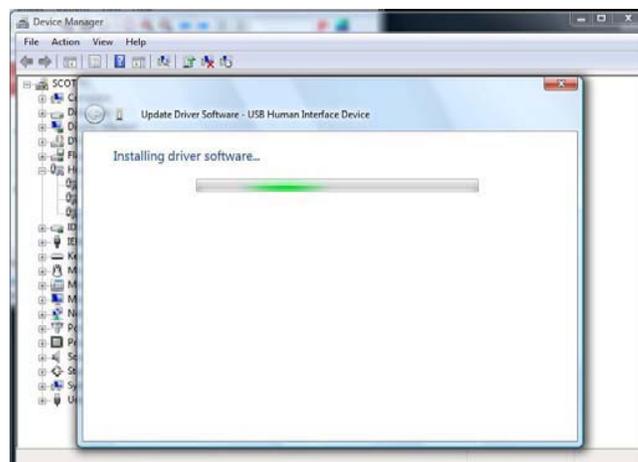


**Authenticode Signature**



**Not Digitally Signed**

13. Installation of the driver will start.



14. Windows will prompt to install software. Note: Windows 7 (32 and 64-bit) and Vista 64-bit OS support Kernel-Mode Code Signing (KMCS) therefore the window will look similar to the image below labeled Signed Signature. In this case, click Install. Windows Vista 32-bit, and XP (32 and 64-bit) do not support KMCS therefore the window will look similar to the image below labeled Unverified Publisher. In this case, click *Install this driver software anyway*.

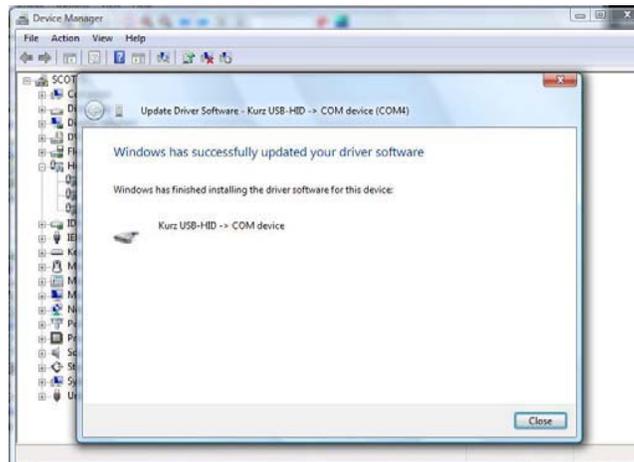


**Signed Signature**



**Unverified Publisher**

15. Windows will report that it successfully updated your driver software.



16. In the Device Manager the MFTB Device will now register as a COM port.



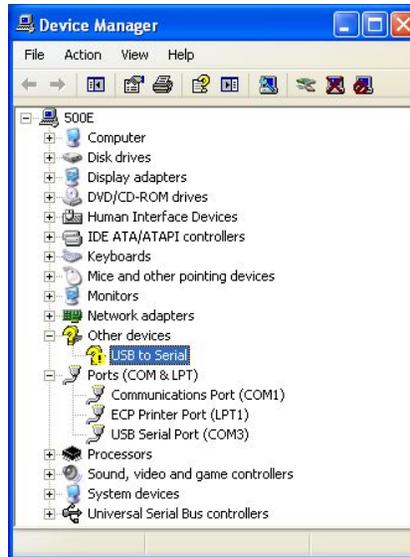
## Explicit Driver Installation (XP)

Under some circumstances, Windows XP fails to load HIDCOM driver, and instead load the Windows HID driver for the device. In this case, follow the steps below to force Windows to use the HIDCOM driver:

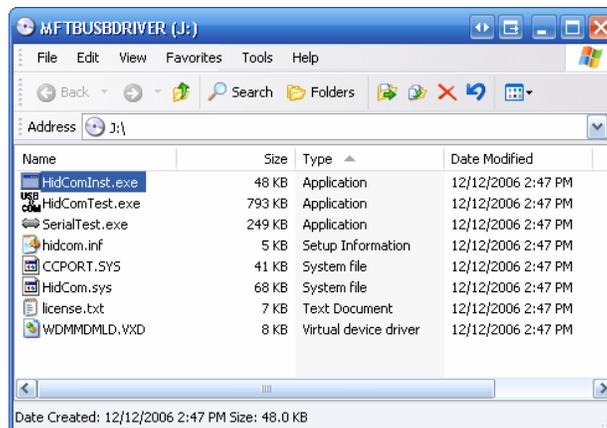
1. Insert the USB driver CD into the CD Drive.
2. Open up the device manager from the Control Panel or by clicking the Start button, clicking Run..., entering *devmgmt.msc* in the text box, and clicking OK.



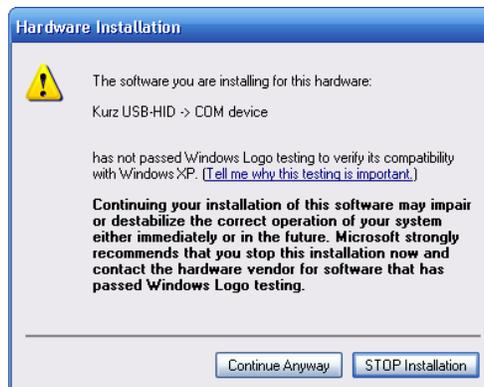
3. Connect the Kurz Instruments MFTB device to the PC via the USB cable, making sure that the device is powered.
4. Expand the *Other devices* section. The MFTB device should be registered as a *USB to Serial* device.



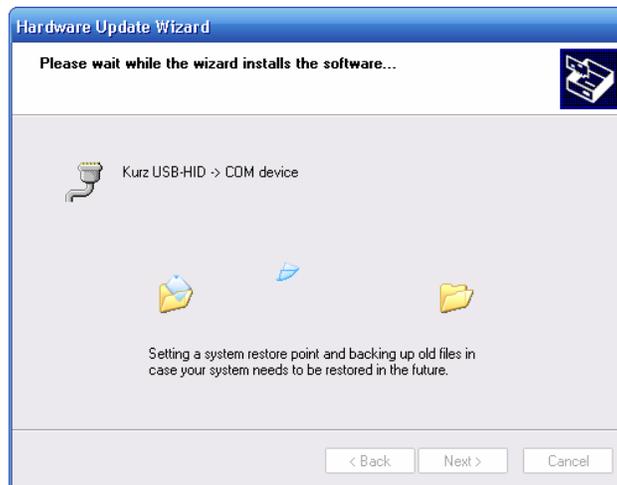
5. Open an explorer window and browse to the Kurz USB Device Driver for the PC and run HidComInst.exe by double clicking on it.



6. Select the Continue Anyway button on the Hardware Installation window.



7. The Kurz USB-HID -> COM Device Driver is now being installed.



8. Click the "Finish" button to complete the installation.



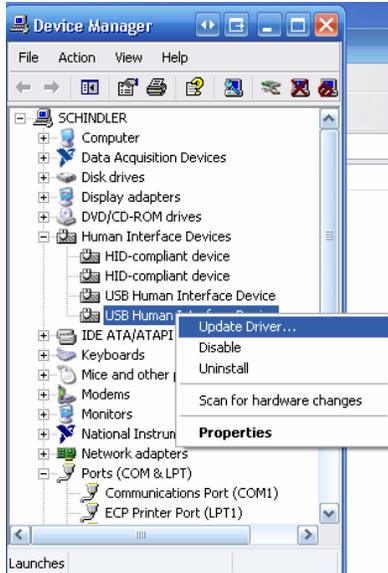
9. On the Device Manager window, check the *Kurz USB-HID -> Com device (COMx)* under the *Ports (COM & LPT)* section, if it is enumerated.



## Troubleshooting XP

If the previous steps failed to have the device register as a COM port as shown in the previous step 11 try the following steps.

1. Verify that the Kurz Instruments MFTB device is powered and connected via a USB cable to the PC.
2. In the Device Manager find the *USB to Serial*, or *USB Human Interface Device* for the MFTB device. Right click on it, and select *Update Driver*. Note: Kurz has released a newer version of the assembly code that handles the USB data transfers on the MFTB device. The new code registers as a *USB to Serial* device, whereas the old version registers as a *USB Human Interface Device*. The new Kurz USB-HID -> COM driver works with all versions of the MFTB device. Right click on the device and choose *Update Driver...*



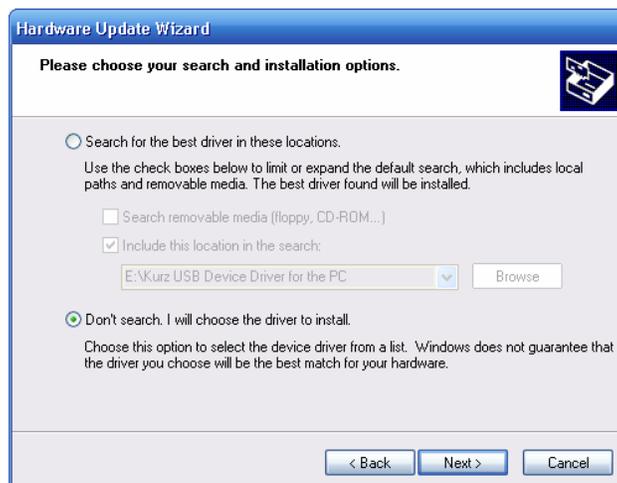
3. Select *No, not this time*, when prompted by the Hardware Update Wizard and click Next.



4. Select *Install from a list or specific location* and click Next.



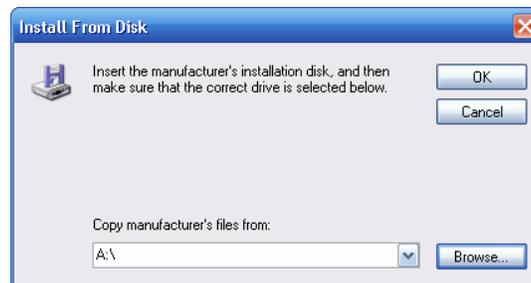
5. Select *Don't search. I will choose the driver to install* and click *Next*.



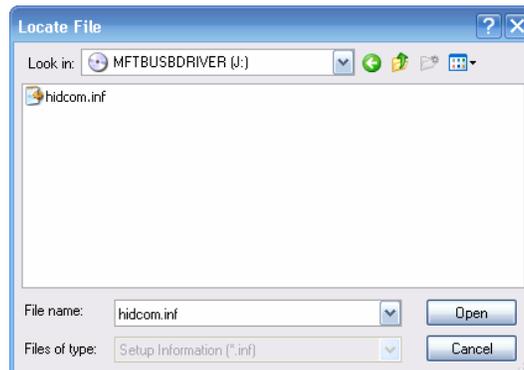
6. If under Model the option *Kurzh USB-HID -> COM device* is listed, click it, click *Next*, and skip to step 10.



7. If the option *Kurz USB-HID -> COM device* is not listed so click the *Have Disk...* button.



8. In the Locate File window browse to the location of the Kurz USB Device Driver for the PC and select the *hidcom.inf*. Click OK on the Install from Disk window.



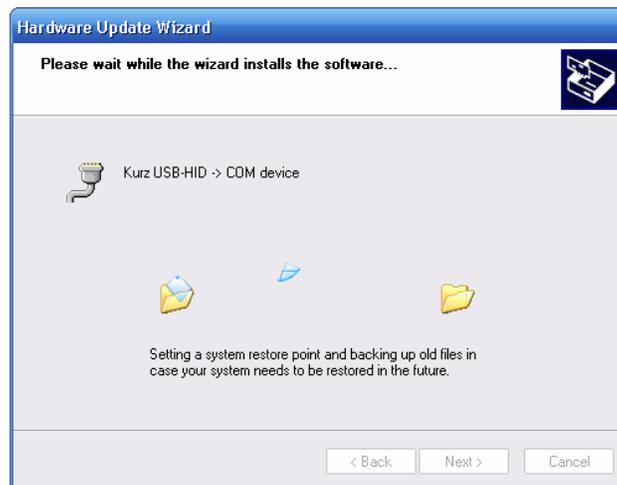
9. In the Hardware Update Wizard should now show the *Kurz USB-HID -> COM device* option. Click it and click next.



10. Select the *Continue Anyway* button on the Hardware Installation window.



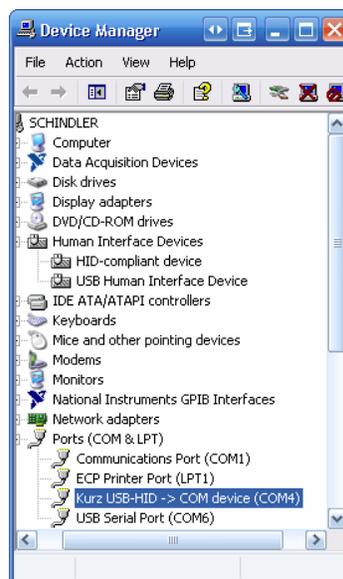
11. The Kurz USB Device Driver is now being installed.



12. Click the *Finish* button to complete the installation.



13. On the Device Manager window, check the *Kurz USB-HID -> Com device (COMx)* under the *Ports (COM & LPT)* section if it is enumerated.



14. Kurz has released a new USB-HID -> COM driver. If the older version of the driver is installed and used with a newer MFTB device the communications will no longer work. The new driver needs to be installed from the Customer CD received with the new MFTB device. If the old driver is used, the device will show in the Device Manager similar to the image labeled Old Driver.



**Old Driver**