



# **USB TO SERIAL RS232 SERIAL PORT ADAPTER**



# **USER MANUAL**

[www.hamletcom.com](http://www.hamletcom.com)

Dear Customer,  
thanks for choosing an Hamlet product. Please carefully follow the instructions for its use and maintenance and, once this product has run its life span, we kindly ask You to dispose of it in an environmentally friendly way, by putting it in the separate bins for electrical/electronic waste, or to bring it back to your retailer who will collect it for free.

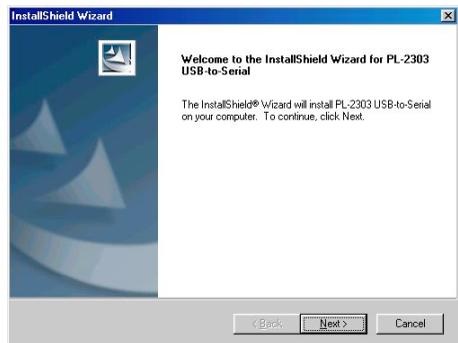


# Windows 98/ME/2000/XP – Driver installation

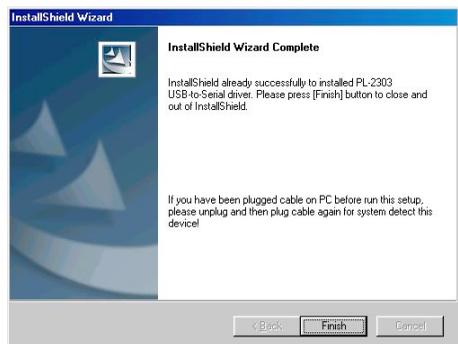
1. Don't plug in the USB cable to the USB connector of your computer.
2. Place the enclosed CD Driver into the CD ROM to search for "PL-2303 Driver Installer".
3. Double-click "PL-2303 Driver Installer"



4. Select "Search for the best driver for your device" in the installation wizard window and click "Next".

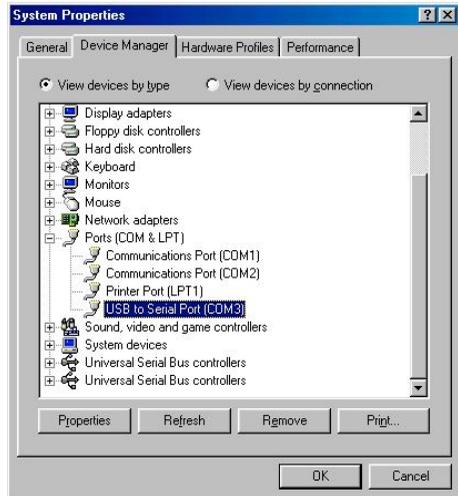


5. Windows has finished installing the software, click "Finish" to close the Wizard.



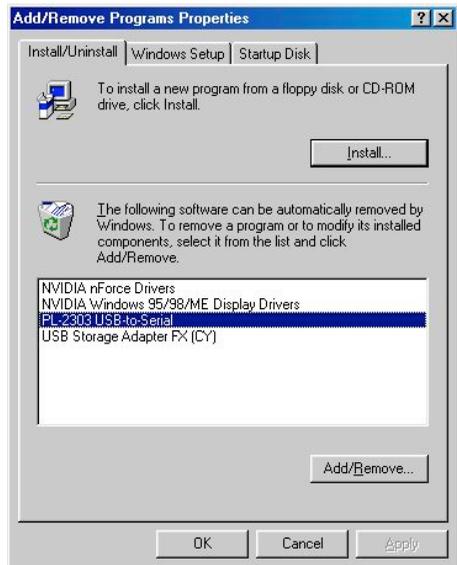
6. Plug USB to Serial cable into your computer's USB port.

7. Open “Device Manager” under System Properties and check if there is the device you install under “USB to Serial (COM3)”.



# Two uninstallation methods under Windows 98SE/ME/2000/XP

1. Select “PL2303 USB-to-Serial” and then click “Add/Remove...” to uninstall.

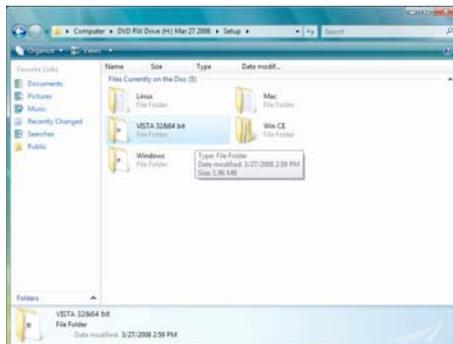


2. Click Start → Programs → PL2303 USB-to-Serial Driver → Uninstaller

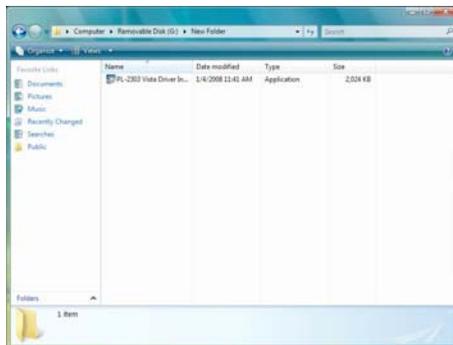


# Windows Vista – Driver installation

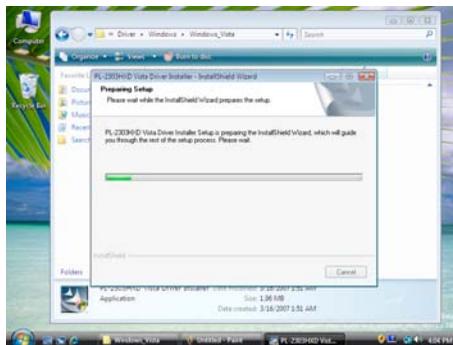
1. Don't plug in the USB cable to the USB connector of your computer.
2. Insert CD driver disk and browse the content to find the "Vista 32&64 bit" folder.



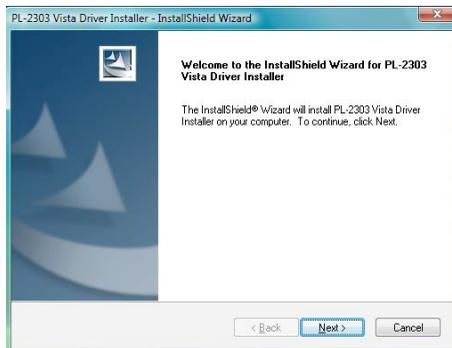
3. Open "Vista 32&64 bit" folder and double-click "**PL-2303 Vista Driver Installer**" to run the installation wizard.



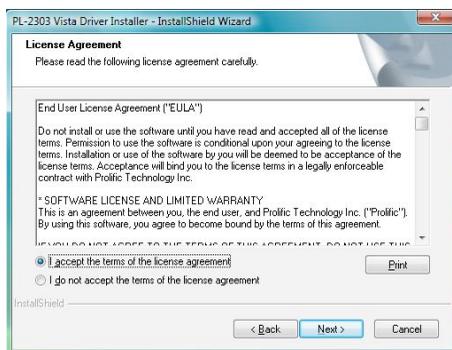
4. Wait while the InstallShield Wizard prepares the setup.



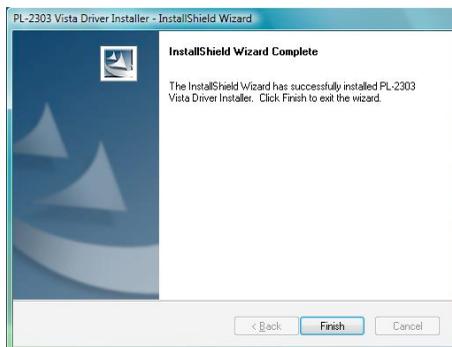
5. Click "Next" to perform installation.



6. Select "I accept the terms of the license agreement" and click "Next" to continue installation.

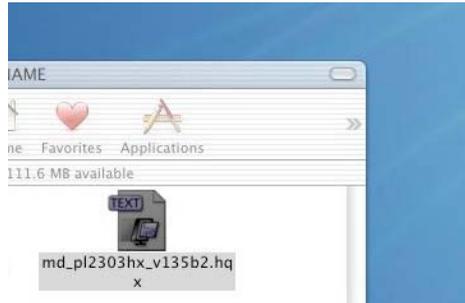


7. Once the installation is completed click "Finish".



# MAC OS 8.6~9.0 – Driver installation

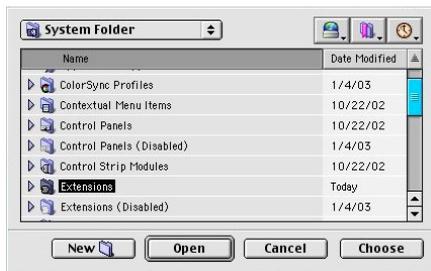
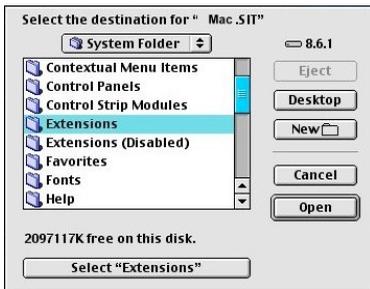
1. Insert CD disk, Copy “md\_pl2303hx\_v135b2.hqx” file to desktop.



2. Click “OK”.



3. Click System folder > Extension. Press “Select Extensions” or “Choose”.



4. Drag'n'Drop "ProlificUSBSerial" file into system Extensions (Apple Extras) and then restart your computer.



5. Plug USB to Serial cable into your computer's USB port.

## MAC OS X – Driver installation

1. Insert CD driver disk, browse to the Mac folder and copy "md\_pl2303hx\_v108b4.zip" file on your desktop.



2. Double-click the .zip file to extract "PL2303\_1.0.8b4.pkg" and double-click it to run installation.



3. Click "Continue".



4. Type-in your administrator password and click "OK".



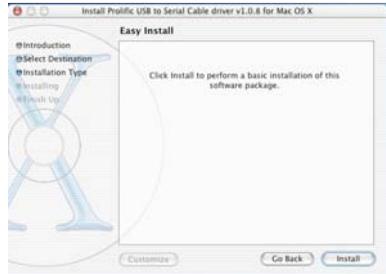
5. Click "Continue".



6. Select a destination volume to install the Prolific USB Serial then click "Continue".



7. Click “Install”.



8. Click “Restart” to reboot computer.



9. You may check the driver under “Apple System Profiler”. If the “ProlificUSBSerial.kext” file is the same as shown in the picture, the installation is done successfully.

Extension Name	Version	Last Modified	Extension	Applications	Log
IPFirewall.kext	1.1.1	01 May 2003 10:44 PM	IP network firewall		
iPodDriver.kext	1.0.0	27 Jul 2002 01:53 PM	iPod Driver 1.0.0, Copyright 2002		
KeyLampATA.kext	1.0.0	27 Jul 2002 01:45 PM	Key Lamp ATA Driver		
LogicBoardFeedback.kext	1.0.0	09 Apr 2003 11:13 AM	Force Feedback Driver version 4		
MacIOCPD.kext	1.1.1	10 Sep 2003 04:13 PM	MacIOCPD version 1.1.1, Copyright		
madefs.kext	1.2	27 Jul 2003 08:02 PM	Not Available		
NKEMgr.kext	1.0	27 Jul 2002 01:42 PM	NKEMgr, Apple Computer, Inc. J		
NVDANVIOHid.kext	1.2.26	10 Sep 2003 03:58 PM	NVDANVIOHid 1.2.26.32 (4.7.0F)		
NVDANVIOHid.kext	1.2.26	10 Sep 2003 03:58 PM	NVDANVIOHid 1.2.26.32 (4.7.0F)		
NVDANVIOHid.kext	1.2.26	10 Sep 2003 03:58 PM	NVDANVIOHid 1.2.26.32 (4.7.0F)		
NVDANVIOHid.kext	1.2.26	10 Sep 2003 03:57 PM	NVDANVIOHid 1.2.26.32 (4.7.0F)		
OMI_IME.kext	3.1.5	15 Oct 2003 02:26 PM	OMI_IME v3.1.5, Copyright 200		
OMI_USBlub.kext	3.1.5	15 Oct 2003 02:26 PM	OMI_USBlub v3.1.5, Copyright 2		
PPP.kext	1.2.1	02 May 2003 09:14 PM	PPP Family		
PPPoE.kext	1.2.1	02 May 2003 09:14 PM	PPPoE Driver		
PPP.kext	1.2.1	02 May 2003 09:14 PM	PPP Driver		
ProlificUSBSerial.kext	1.1.1	02 May 2003 09:14 PM	ProlificUSBSerial v1.0.8, Copyr		
ShareDF.kext	1.1.1	01 May 2003 10:40 PM	ShareDF, Apple Computer, Inc. J		

# Linux installation

1. Under root folder, create a new folder and copy PL-2303 source code to new folder.
2. Open "Makefile" with GEDIT or KATE under new folder.
3. Modify line 5 "KINCLUDES=/usr/src/linux/include".  
Example: "KINCLUDES=/usr/src/linux-2.4.7-10/include".  
You could find folder name on Linux.
4. Open terminal mode and login root user.
5. Go to the new folder and then type "make all" to compile the PL-2303 source code. This will create two files: "pl2303.o" and "usbserial.o".
6. Type "make inst" that will install the PL-2303 Linux driver into Linux.
7. Plug the PL-2303 cable into USB port and key-in "dmesg", it will show "Prolific USB Serial Adapter converter now attached to ttyUSB0 (orusb/tts/0 for devfs)". This means the cable is now working under Linux.

Note: You must login into root user in order to successfully compile and install the driver.

## How to link the device with our PL2303 driver.

1. In Makefile file, we have set a command to insert driver into Kernel, type "make inst" to insert driver.
2. After that, type "dmesg" command then click enter.
3. You will see messages appearing on the screen: "usbserial.c Prolific USB Serial Adapter converter now attached to ttyUSB0 (orusb/tts/0 for devfs)".

This means the virtual COM port is in ttyUSB0, so if you want to use this port, you need to use "ln" command to hard link with the device.

For example: You are using PL-2303 to connect with modem. So you need to type "ln -b /dev/ttyUSB0 /dev/modem" then click enter. If nothing happens and the screen appears as "[root@localhost / xxxxx]#", the link operation is successful. Please make sure that the modem has been properly installed in system. Now the modem will use the PL-2303 port to do communication.