

# UniTools (Win) Introduction

Dear Customer,

Thank you for purchasing UniTools for Windows<sup>1</sup> 95 and Windows 98.

To use UniTools:

- Place the First diskette in your floppy drive and run setup (Start, Run, "A:\Setup").
- Complete the setup procedure.
- Install the Comms RS485 Driver.
- Connect the AS4000 RS232 to RS485 adaptor.
- Run UniTools (Start | Programs | UniTools | UniTools) (or Start | Programs | UniLink | UniTools if you have UniLink also)
- Set the Comms Port number using the 'Properties' button.

Please note that if using UniTools on a Laptop, and you wish to use the same Comms Port for other uses, you must swap between the Comms RS485 driver and the normal Microsoft Comms driver (see following pages)

For help, press the 'F1' key at any time, and the help screen most applicable to your present UniTools screen will appear. You can browse the help file by clicking the Help screen's 'Contents' file and double clicking one of the books.

Comms port setup suggestions are included in the Help 'Comms' section.

You must not run UniLink and UniTools at the same time.

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

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<sup>1</sup> \*Windows is a registered trademark of the Microsoft corporation.

## APPENDIX A: (Re-)Installing the RS485 communications driver.

To Install the communications RS485 driver (for AS4000 RS485 direct connection to Unimeters), follow the next steps.

Double click on *'My Computer'*.

Double click on *'Control Panel'*.

Double click on *'System'*.

Select *'Device manager'* tab.

Double click on *'Ports (Com&LPT)'*.

Double click on the Comms port that you installed the AS4000 adaptor on.

Select the *'Driver'* tab.

Click on *'Update Driver'*.

You may need to click *'Next'* (Win 98)

**First Time:** Select "Search..." & Place the Driver Diskette in the floppy drive

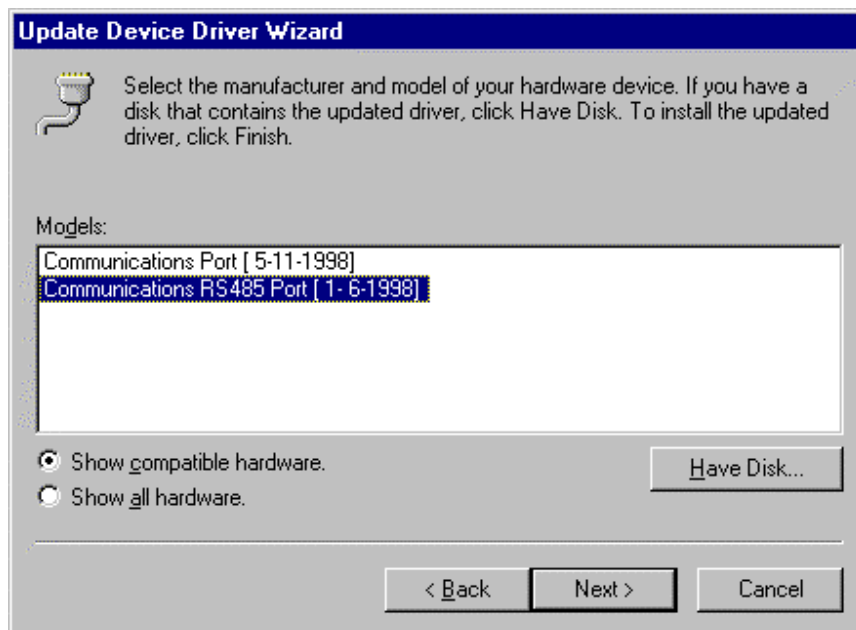
**Re Installation:** Select the *'Select Driver from List'* option

Click on *'Next'*.

Select *'Communications RS485 Port'* (not the *'Communications Port'*).

Click *'finish'*.

If the computer requests the CD Rom simply ignore and click *'OK'* Two more windows will appear, select *'Skip File'* in both.



Close all windows and restart the computer. Naturally, you may reinstall the standard Microsoft driver, as outlined in Appendix B, at any time.

## APPENDIX B: Uninstalling the RS485 communications driver.

To restore the communications port to the normal state (for modem or similar device, not RS485), follow the next steps.

NB: If your system is Windows 98 (Not windows 95), you must perform the change in Appendix C once only before continuing with this procedure.

Double click on *'My Computer'*.

Double click on *'Control Panel'*.

Double click on *'System'*.

Select *'Device manager'* tab.

Double click on *'Ports (Com&LPT)'*.

Double click on the Comms port that you installed the AS4000 adaptor on.

Select the *'Driver'* tab.

Click on *'Update Driver'*.

You may need to click *'Next'* (Win 98)

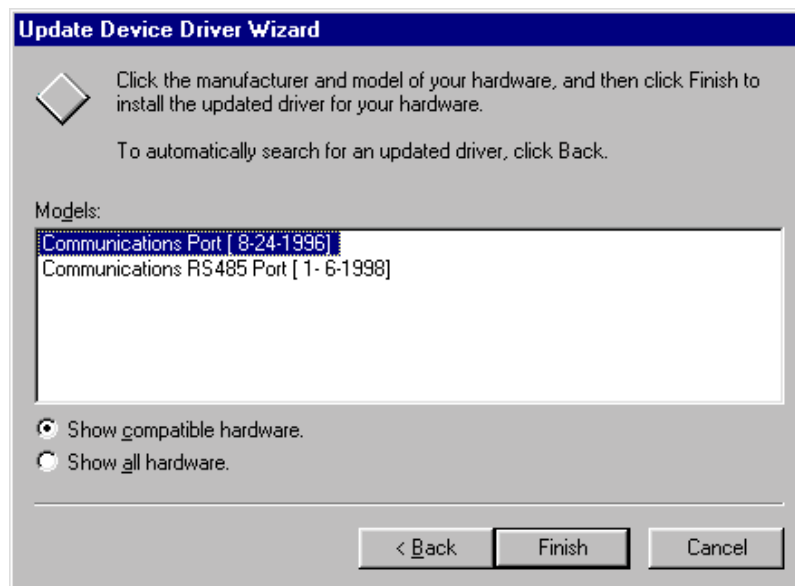
Select the *'Select Driver from List'* option

Click on *'Next'*.

Select *'Communications Port'* (not the Communications RS485 Port).

Click *'finish'*.

If the computer requests the CD Rom simply ignore and click *'OK'* Two more windows will appear, select *'Skip File'* in both.



Close all windows and restart the computer. Naturally, you may reinstall the RS485 driver, as outlined in the installation procedure, at any time.

## APPENDIX C: Mod: RS485 Serial VXD Driver on Windows 98

Applicable systems: Uni\_Link or UniTools (win) on a Windows 98 System

**Problem:** Unable to revert back to a normal serial port configuration after the RS485 Serial VXD Driver is installed. Although you select the original serial driver, windows does not alter the registry settings.

**Fix:**

1. Run Windows Explorer (Start | Programs | Windows Explorer)
2. Double click on the Windows folder
3. Double click on the Inf folder in the Windows folder.
4. Hilight the following file in this folder: Msports.inf
5. Make a copy of this file (Right click on the file & select copy, Right click in a vacant space in the right hand window & select paste)
6. Double click on the original file (Msports.inf) to edit it – Select Notepad to edit if asked.
7. Using search, Find the following phrase (without the quotations): “PortDriver,2”

The phrase should be in the following paragraph:

[ComPort.AddReg]  
HKR,,DevLoader,,\*vcomm  
HKR,,Enumerator,,serenum.vxd  
→ HKR,,**PortDriver,2**,serial.vxd  
HKR,,Contention,,\*vcd  
HKR,,ConfigDialog,,serialui.dll  
Etc

8. Remove the fig ‘2’ in this line, leaving both commas:

HKR,,PortDriver,,serial.vxd

9. Save the Msports.inf file.
10. Re-boot the PC.
11. If & When required, select the original serial driver to change the registry settings. (This is necessary even if you have already tried this before making this mod).