

User Assistance Document

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# Local communication setup using USB converter to serial cable for connection to Controllers



## Setup of USB-232 Converter to run with Aquaguard

Install the USB-232 converter software as instructed by the manufacturer

A lot of times an error message will come up as follows. Hit the continue anyway as it is saying that the software was not tested for Windows. To warn that it may not be compatible with Windows XP.

| Hardware | Installation  |
|----------|---|
| <u>.</u> | The software you are installing for this hardware:<br>IrDA Forward Adapter<br>has not passed Windows Logo testing to verify its compatibility<br>with Windows XP. (Tell me why this testing is important.)<br>Continuing your installation of this software may impair<br>or destabilize the correct operation of your system<br>either immediately or in the future. Microsoft strongly<br>recommends that you stop this installation now and<br>contact the hardware vendor for software that has<br>passed Windows Logo testing. |
|          | Continue Anyway STOP Installation   |

To determine what comms port the USB converter was installed on under Windows 2000 and XP, go to Control Panel/Administrative Tools/Computer Management

Or

Right click on My Computer under Start and select Manage.

The following screen will be displayed



In the left hand window select the device manager. Select the **Ports** (**Com & LPT**) in the right hand window. The USB will generally come up saying USB-to-Serial something. This may vary from computer to computer.

## Aquaguard Comms Ports

Aquaguard 1 & 2 can only use comms ports 1-8. When the USB to serial converter is installed it may have a COM number greater than 8. If so it will be necessary to change this such that Aquaguard can use it. Looking at the **Ports** (**Com & LPT**) in device manager pick a port number between 1-8 which is not already used and remember this as XP will tell you latter that it is in use and you will have to override it.

Right click on the USB to Serial comms port you wish to change and select properties, you will be presented with the following window.

| •  |  |                  |                    |        |  |
|--|--|------------------|--------------------|--------|--|
| Prolific USB-to-Serial Comm Port (COM38) Properties  |  |                  |                    |        |  |
| General Port Settings Driver Details   |  |                  |                    |        |  |
| Į  | Prolific USB-to-Serial Comm Port (COM38) |                  |                    |        |  |
|  | Device type:                             | Ports (COM & LP1 | ŋ                  |        |  |
|  | Manufacturer:                            | Prolific         |                    |        |  |
|  | Location:                                | Location 0 (USB- | Serial Controller) |        |  |
| Device status<br>This device is working properly.<br>If you are having problems with this device, click Troubleshoot to<br>start the troubleshooter. |  |                  |                    |        |  |
| Troubleshoot   |  |                  |                    |        |  |
| Device usage:  |  |                  |                    |        |  |
| Use thi  | s device (enable)                        |                  |                    |        |  |
|  |  |                  | ок                 | Cancel |  |

#### Select the Port Settings Tab

| Prolific USB-to-Serial Comm Por | t (COM38) Pro | perties | ? ×          |
|---------------------------------|---------------|---------|--------------|
| General Port Settings Driver [  | Details       |         |              |
|                                 |               |         |              |
| Bits per s                      | second: 9600  |         |              |
| D                               | ata bits: 8   |         | -            |
|                                 | Paritur Mana  |         |              |
|                                 | rany. Inone   |         |              |
| S                               | top bits: 1   |         | -            |
| Flow                            | control: None |         | •            |
|                                 |               |         |              |
|                                 | Advanced.     | Resto   | ore Defaults |
|                                 |               |         |              |
|                                 |               |         |              |
|                                 |               |         |              |
|                                 |               |         |              |
|                                 |               | 04      | Carroad      |
|                                 |               | UN      | Lancer       |

#### And click the **advanced** button

| Advanced Settings for COM38                           |   |  |  |    |           |              | <u>? ×</u> |
|---|---|--|--|----|-----------|--------------|------------|
| Select lower settings to correct connection problems. |   |  |  |    |           | OK<br>Cancel |            |
| Receive Buffer: Low (1)                               |   |  |  | —Ţ | High (14) | (14)         | Defaults   |
| Transmit Buffer: Low (1)                              |   |  |  | —Ţ | High (16) | (16)         |            |
| COM Port Number: COM38                                | • |  |  |    |           |              | ]          |

You will be presented with the following screen change the COM port number to the number you selected previously and when windows queries that it is already in use accept the changes.

Your USB-to-serial comms port should now be setup to work with Aquaguard.

### Note

If you put you USB-to-Serial converter into a different USB port to the one it was installed originally it will come up with a different COM number. Make sure that you always use the USB port that it was originally installed in.