

Software Installation Instructions for Oryx 4, 8 and Nano

1. Download Software

Please email Douglas Instruments for the appropriate download link and advice about which software version to install.

Email: support@douglas.co.uk

2. Install Adobe Acrobat

Please install **Adobe Acrobat Reader v11.0** or newer for viewing experiment instructions in WaspRun.

1. Uninstall any currently installed versions of Acrobat even if newer than v11.0. Control panel -> programs and features.
2. Navigate on Douglas CD or download to CD:\Adobe Reader\ right click exe file and select run as administrator
3. When prompted during installation set automatic updates to Manual / off. This will prevent newer versions being installed.

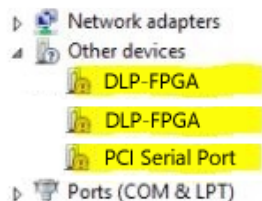
3. Driver installation for USB cable or Serial-USB adapter

**Step 3 is not required if the drivers have already been installed on your PC. continue to Step 4 unless installing on a new PC or fresh Windows installation.*



USB serial adapter
StarTech ICUSB2321F

1. Connect USB direct cable to computer and MCC.
2. Turn on the MCC controller.
3. Open Device Manager from Control Panel
4. Under "other devices" you may see a message similar to this:



5. Right Click the device with yellow triangle -> Update Driver -> select "Browse my computer (for driver software)" -> Browse and select the root folder of Douglas Installation CD or the folder containing downloaded software e.g C:\...\Downloads\W.25.xx\ Ensure the search subfolders box is checked.
6. Repeat process for other driver error messages (sometimes 3 or 4 times) until all devices have drivers installed.

4. Software Installation

1. If necessary, uninstall previously installed Douglas Instruments software. Control Panel -> Add or remove programs.
2. Manually navigate the CD or folder containing software. Open CD:\Install\ right click **setup.exe** and select **run as administrator**.
3. Turn on the MCC.
4. Follow the Install Shield installation instructions. When prompted:
 - a. Specify Setup Type = "Typical"
 - b. Install application = "for anyone who uses this computer (all users)"
5. If you see **Error 1701** during installation navigate to \Install\setup.exe right click and select run as administrator.
6. Select the correct hardware folder for your system.
7. A program called MCC Terminal will open and ask to update the MCC. Click OK to update the MCC firmware. Close MCC terminal after the update is complete

If you see an MCC connection error:

- a. Open MCC terminal (hidden in system tray – bottom right of screen)
 - b. Select Comms -> Config connection -> **Scan for Ports** -> select e.g. USB direct or appropriate Comm port
 - c. Click **Test Connection**. Contact us if you require assistance
 - d. If you are still having problems and using the direct USB connection, check "UseUSB = Yes" to do this open regedit (Start>regedit.exe)
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Douglas Instruments\MCCTerminal\Settings\ **UseUSB = Yes**
9. When running Front Panel for the first time you may see several messages/error messages:
 - a. 'Save new syringe lengths to channels.xml'. Select yes, then close any window left behind.
 - b. It may be necessary to set (.) as the decimal symbol rather than (,). This can be done in control panel > region > additional settings.
 - c. 'File missing: FrontPaneldefault.xdb'. This error will disappear after you run the first (any) WaspRun experiment. FrontPaneldefault.xdb will then be created.
 - d. Set configuration/dispensing mode. Follow instructions in software: In Front Panel: Configurations> e.g.LCP mode (this will enable LCP mode using the LCP arm). Restart Front Panel and WaspRun
 - e. Front Panel has detected that Plates(Oryx).dat should be updated. Click **Yes** to replace and update to the latest version of Plates(Oryx).dat
 - f. Follow instructions to rezero syringe drives and plateloader if required.
 10. Please see <http://www.douglas.co.uk/cards.htm> as there may be some new user cards since your last installation.