

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

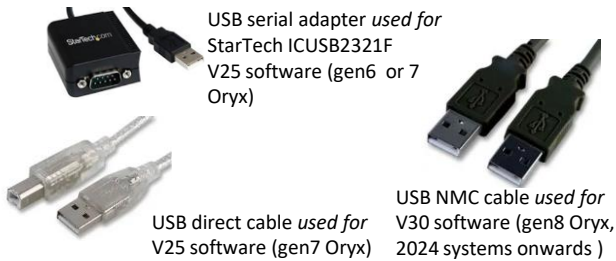
2. Install Adobe Acrobat

Please install **Adobe Acrobat Reader v11.0** 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 > Uninstall.
2. Navigate on Douglas CD or download to CD:\Adobe Reader\ right click the 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.*



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:
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5. Right Click the device with yellow warning 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\V.25.xx\ **Ensure the search subfolders box is checked.**
 6. Repeat process for other driver error messages (yellow warning triangles) (sometimes it is necessary to repeat this 3 or 4 times) until all devices have drivers installed.
 7. If necessary run the Windows driver installer. Unzip and run: \Install\Program Files\Douglas Instruments\Utilities\FTDI_CDM212364_Setup.zip

4. Software Installation

1. Uninstall previously installed Douglas Instruments software. Control Panel -> Add or remove programs.
2. Manually navigate the CD or downloaded folder containing the Oryx 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 and ensure you 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 (maximize from system tray – usually bottom right of screen, by the clock)
- b. Select Comms -> Config connection -> **Scan for Ports** -> select e.g. MCC7, MCC8, USB direct or 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\WOW64\32Node\Douglas Instruments \MCCTerminal\Settings\
Check that '**UseUSB = Yes**'
- e. It may be necessary to run the USB cable Windows driver installer. See **Step 3.7** (left)

Trouble shooting

8. 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. Set configuration/dispensing mode. Follow instructions in software: In Front Panel: Configuration > e.g.LCP on Varm mode (this will enable LCP mode using the LCP arm). Restart Front Panel and WaspRun
 - d. 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
 - e. You may see a series of registry error messages in FrontPanel. In this case it is necessary to edit registry permissions for the following two folders in regedit.
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\WOW64\432Node\Douglas Instruments and
Computer\HKEY_CURRENT_USER\SOFTWARE\Douglas Instruments. Ensure administrators, users, system and application packages have **Full control**.
 - f. Follow instructions to rezero syringe drives and plateloader if required.
9. Please see <http://www.douglas.co.uk/cards.htm> as there may be some new user cards since your last installation.