

Software Installation for WinCon Version 4.1

Following this guide is critical to a successful installation. Before proceeding to install WinCon 4.1 Check to see if you have the following software:

1. Microsoft Windows 2000 Service Pack 3. To see if you have SP3, run the Windows Version Utility. It can be accessed as follows:

Start> Run>winver

If you don't have SP3, you can install it at the Helpdesk.

2. Microsoft Visual C++ version 6.0

3. MATLAB 6.5 Release 13.

If you have MATLAB version 6.1 on your laptop you need to install MATLAB 6.5 Release 13 and the related toolboxes as outlined in step 1. If MATLAB 6.5 is already installed on your laptop proceed to step 2. MATLAB can only be accessed when you log to the MSOE network

1. MATLAB 6.5 Installation

There is a copy of the MATLAB 6.5 CD at the following location: **Q:\Install\Matlab6_5** Double-click on the Setup.exe and follow the installation procedure. Copy the following PLP for Network Concurrent User installations:

13-64904-46548-05026-28246-48460-35171-13787-14207-17672-46236-45763-37934-62879

and paste it on the Personal License Password dialog box when prompted. When the install asks for the **license.dat** file, browse to the following location:

Q:\matlab6p5\bin\win32\license.dat

2. Uninstalling WinCon version 3.2

If there is an old Quanser WinCon Server and WinCon Control on your lap top **you must uninstall** it before installing the new version.

In Control Panel From Add/Remove Programs first uninstall WinCon Control, then uninstall WinCon server. Once both are uninstalled, navigate to:

C:\Program Files and manually delete the Quanser directory. This should remove all previous installations of WinCon. Reboot your PC.

3. WinCon Installation

Please ensure that MATLAB R13, Real-Time Workshop, Simulink and Microsoft Visual C++ version 6.0 is installed on your laptop **before** proceeding to the next step. You should ensure that all applications that will run a real-time process such as LabView with real-time control components, Real-time Windows Target, any multimedia audio or video capture or encoding programs, Virus Protection software that has a real-time monitoring function, are closed. You can find two folders, one containing **WinCon Server** and the other **WinCon Control** at the following locations **Q:\Install\WinCon Server** and **Q:\Install\WinCon Control**.

a. Installing WinCon Server version 4.1

Open the WinCon Server folder and double-click on the **Setup.exe**. The installation instructions is as follows:

- Enter the WinCon Server serial number supplied to you.
- For the type of setup select **Remote**
- Select the directory where you want WinCon Server to be installed
- Select Windows 2000
- Specify the directory where you have installed MATLAB6p5
- Select Visual C++6x. Specify the directory where you have installed Visual C++6 (Normally this is located at C:\program Files\Microsoft Visual Studio)
- Select **RTX5.1** Version for VenturCom's Real-Time Kernel

Once completed you don't need to reboot, instead proceed to install WinCon Control

b. Installing WinCon Control

Open the WinCon Control folder double-click on its **Setup.exe**, follow the installation instructions and enter the serial number.

Reboot, you should have WinCon Link icon on your Taskbar.

4. Compiler Configuration

Next you must configure **MATLAB** to use **Visual C++ version 6.0** as its compiler by following these instructions.

Open MATLAB. At the MATLAB prompt type

```
>> mex -setup  
>> Would you like mex to locate installed compilers [y]/n? type y
```

Three options are displayed. Type 3 next to colon below

Compiler:

to select the third option i.e., Microsoft Visual C/C++ 6.0.

Enter y to verify that the above selection is correct.

5. Agilent IntuiLink and USB port NI-488.2 driver

You should have the Agilent IntuiLink software for the 54600 oscilloscopes, and the USB port NI-488.2 driver installed on your laptop. The IntuiLink can be found by opening Microsoft Excel, and then looking to see if the "Agilent 54600" toolbar appears just below the top row of Excel pull-down menus. If it does not appear, then you need to install the software from a CD-ROM (available at the MSOE EECS TSC, room S-350).