

Matlab Connection

Matlab Connection from 20-sim

To use the link between 20-sim and Matlab, the following three points must be fulfilled, before connection to Matlab can be established

1. Have the correct version of 20-sim

It is known that at least 20-sim 4.1.2.4 does not make proper connection to Matlab. Also 4.1.3.4 and higher does not work to make connection to a new Matlab version.

To make a proper connection, make sure you have 4.1.3.8 or higher installed.

So download the latest version from the www.20sim.com website.

2. Matlab registration in PATH:

The standard registration of Matlab in the **PATH** is the following (assuming Matlab is installed in Program Files):

```
C:\Program Files\MATLAB\R2011b\bin
```

The following path should be added:

```
C:\Program Files\MATLAB\R2011b\bin\win32
```

In this additional path some important DLL's are present that are necessary to make the connection. for example: libeng.dll

Please check if this DLL is present at this path. If not try to find this DLL in your Matlab installation and add the found path to the PATH environment.

Changing the **PATH** environment variable can be done in the following manner:

1. From "My Computer", right mouse button: Properties:
2. On Windows 7: choose Advance Properties and go further as Admin
On Windows XP: you go directly to the System Properties dialog
3. Choose the tab: Advanced
4. Choose: Environment Variables.

Here you can change the **PATH** variable in the **System Variables** section

3. COM-registratie

To make the connection to Matlab, Matlab needs to be registered as a **COM**-component.

This can be done in the following manner from the command line (run: cmd):

```
matlab /regserver
```

Note: The COM-registration only is not enough for 20-sim to find the DLL's of Matlab. The second step (setting the PATH variable) **must** be performed.
