

Romer/Cimcore Arms

This Quick-start guide applies to all Romer/CimCore 6 and 7DOF arms.

Hardware Setup:

This arm is a USB connected device. Install the drivers before connecting the USB cable. Once installation is complete connect the cable and ensure that the power switch located on the arm is turned on.

Software Setup:

Download and install WinRDS (check the readme in your version of SA for the correct WinRDS version) which can be found here:

<ftp://ftp.kinematics.com/pub/SA/Install/Driver%20Downloads/PCMM%20Arms/Cimcore/>

Once downloaded, with the instrument disconnected, install the instrument driver, and reboot the PC.

Now connect the arm and turn the power on. When connecting via USB for the first time Windows will display the dialog in [Figure 15-75](#).



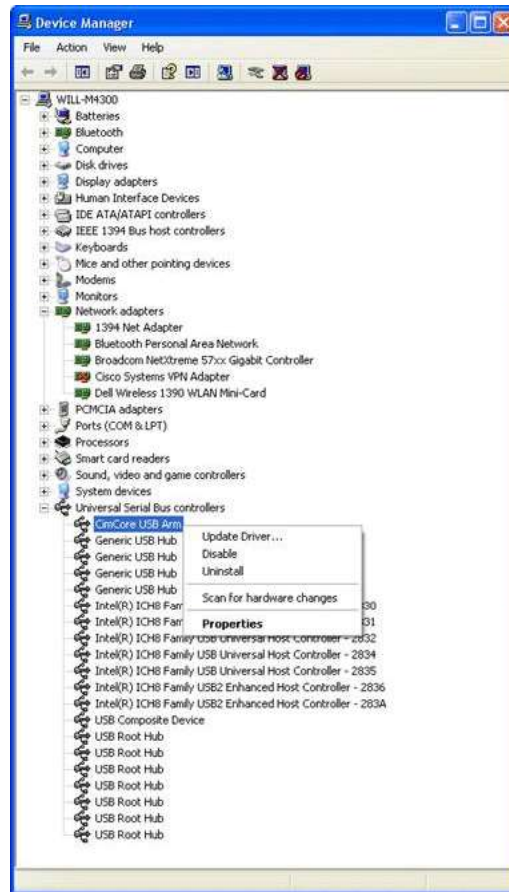
Figure 15-75. The Hardware Update wizard.

Select **Yes, this time only** and press **Next**. Follow the prompts until the Hardware Update is complete.

If this dialog did not appear and the drivers have not been associated to the hardware, navigate to the windows “Device Manager”.

Under “Device Manager” ([Figure 15-76](#)) locate the Cimcore USB Arm, then right click and select “Update Drivers”. This will display the “Hardware Update Wizard” as discussed above. Follow the same directions as above.

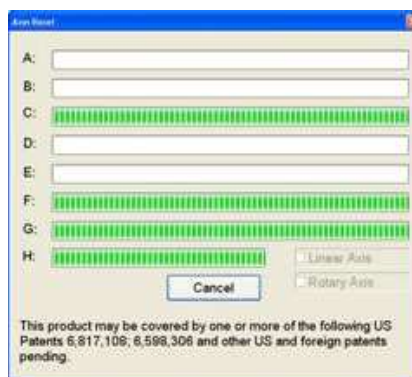
Figure 15-76. Device Manager.



Now that drivers are installed and the hardware is updated, test the connection by running WinRDS. `Start>Programs>Cimcore>WinRDS >Cimcore Arm Utilities`.

If the connection is working correctly, WinRDS will initialize the arm. Move the arm to until the below dialog is satisfied. Now that the connection has been tested close WinRDS.

Figure 15-77. Exercising the encoders on the arm.



Running the Cimcore Arm in SpatialAnalyzer

Run the 'RomerPathSet.exe' utility located in the SA install folder. (e.g. `C:\Program Files\New River Kinematics\SpatialAnalyzer xxx`) This utility tells the interface where to look for the RDS dll's.

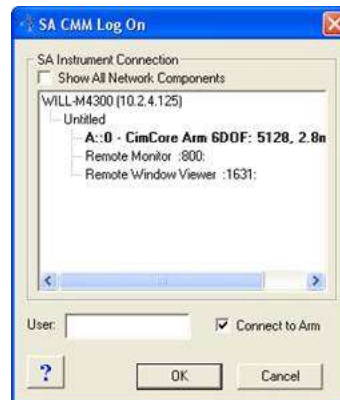
Connecting the arm for the first time in SA requires one extra step than usual. First add the desired Cimcore Arm by selecting **Instrument>Add**. Then select **Instrument>Run Interface Module**. Select the Portable CMM interface (Figure 15-78).

Figure 15-78. Starting the interface.



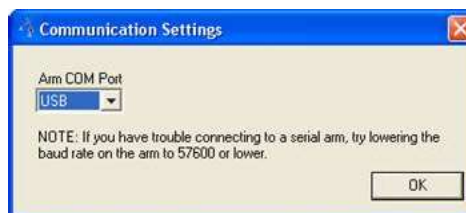
Select the instrument (Figure 15-79).


Figure 15-79. Connecting to the instrument.



Once selected, a prompt will display asking for communication method (Figure 15-80). This step will persist the next time the interface is connected.

Figure 15-80. Choosing the communication method.



The next time connection is required, simply use the  icon to run and connect the interface module. The arm interface will display once connection is complete.