

Force Sensor djb microtech

Installing the Software

To operate the Force Sensor you require version 1.80 or greater of the ALBA Core.

If you require to install the software then place ALBA Disk 1 in your drive. If the installation does not start automatically then type D:\setup.exe from the "run" command where D is the letter of your CD-ROM.

There are three parts to the installation:

The first part installs the latest ALBA core, the Help file and manual.

Next the Disk 1 Applications are installed.

Finally you are asked if you wish to install the Adobe Acrobat Reader if you do not already have it installed.

Note that if in the future you wish to uninstall the ALBA software there are two parts to uninstall: the ALBA Core, and the Applications.

Connecting your Force Sensor

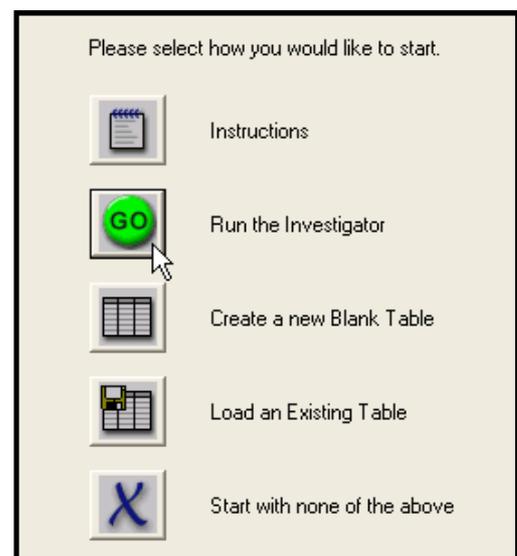
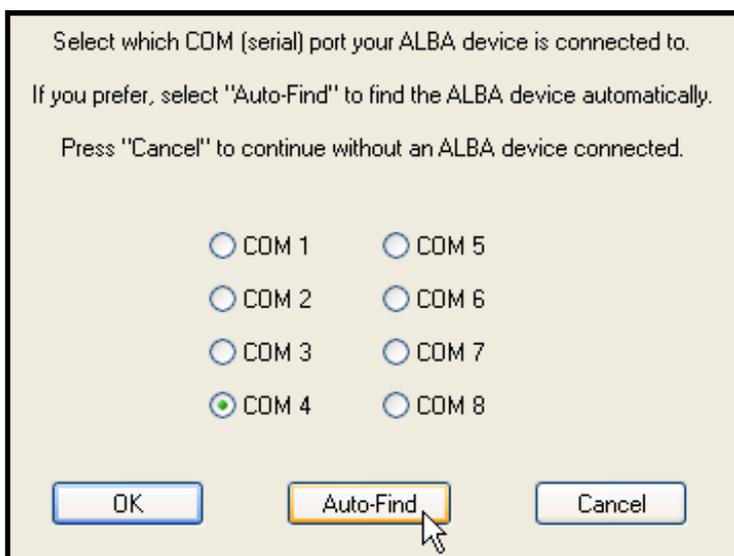
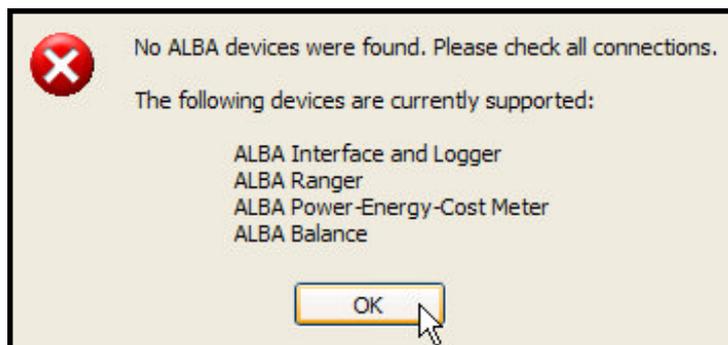
Connect the plugtop power supply to the ALBA Interface then connect the serial cable from the PC to the Interface.

Connect the Force Sensor to Channel 3 or 4 on the ALBA Interface.

Using the Software

The Force Sensor uses the Investigator software.

Click on the ALBA icon on your desktop to launch the software. Depending on what was last connected to your PC you may see the following three screen-shots - even though you have connected the serial cable and powered the Interface.

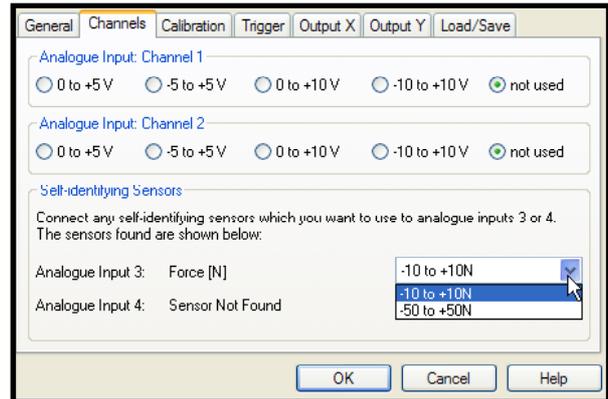
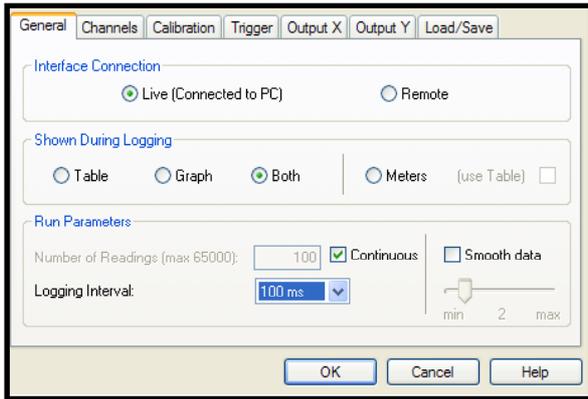


When you select Auto-Find your PC examines each serial port in turn to see if it can identify any hardware. Currently the software supports the ALBA Interface, Ranger, Power-Energy-Cost Meter and the A & D range of Balances. On future occasions, if you use the same serial port, the software will automatically detect the hardware connected to the serial port that you are using. Click on the GO icon to select the Investigator.

Make your choices on :

- how you wish the results displayed
- the number of readings
- the logging interval
- the range i.e. $\pm 10\text{N}$ or $\pm 50\text{N}$
- smoothing on or off

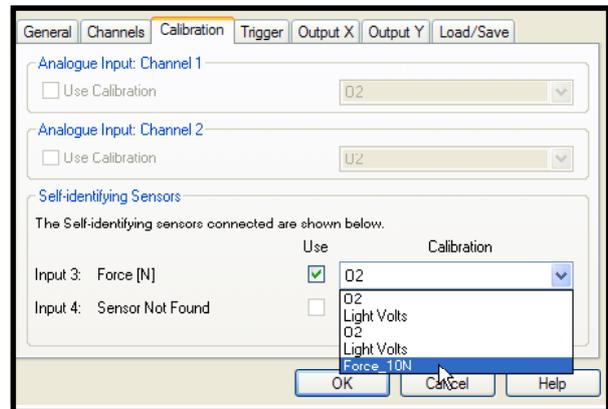
Click the Channels Tab and ensure that the Force Sensor has been recognized by the software.



The ALBA software has a default calibration for both ranges of the force sensor. However users may wish to calibrate the sensor using the ALBA software. This is done in the usual way - if unsure then follow the steps in the Help, 'How to', 'Calibrate a sensor.' The calibration can be allocated to the channel that the force sensor is connected to.

Meter Display

Users who wish the screen to be filled with a large meter display rather than log data, need only tick the Meters box on the first screen of the Investigator.



The Dual Range Force Sensor is supplied to djb microtech by Vernier Software and Technology. djb microtech strongly recommends that you read the instruction sheet supplied by Vernier.

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