

# How to calibrate a MSD200/SA

## About the MSD200/SA

The MSD200/SA is a digital and analogue stereo meter with a black and yellow screen.

It was produced until 2004.

The latest software for the MSD200 is 2.371. The latest software version can be downloaded here (to come)

The users guide can be downloaded here: [http://download.dk-technologies.com/MSD200\\_Manual.pdf](http://download.dk-technologies.com/MSD200_Manual.pdf)

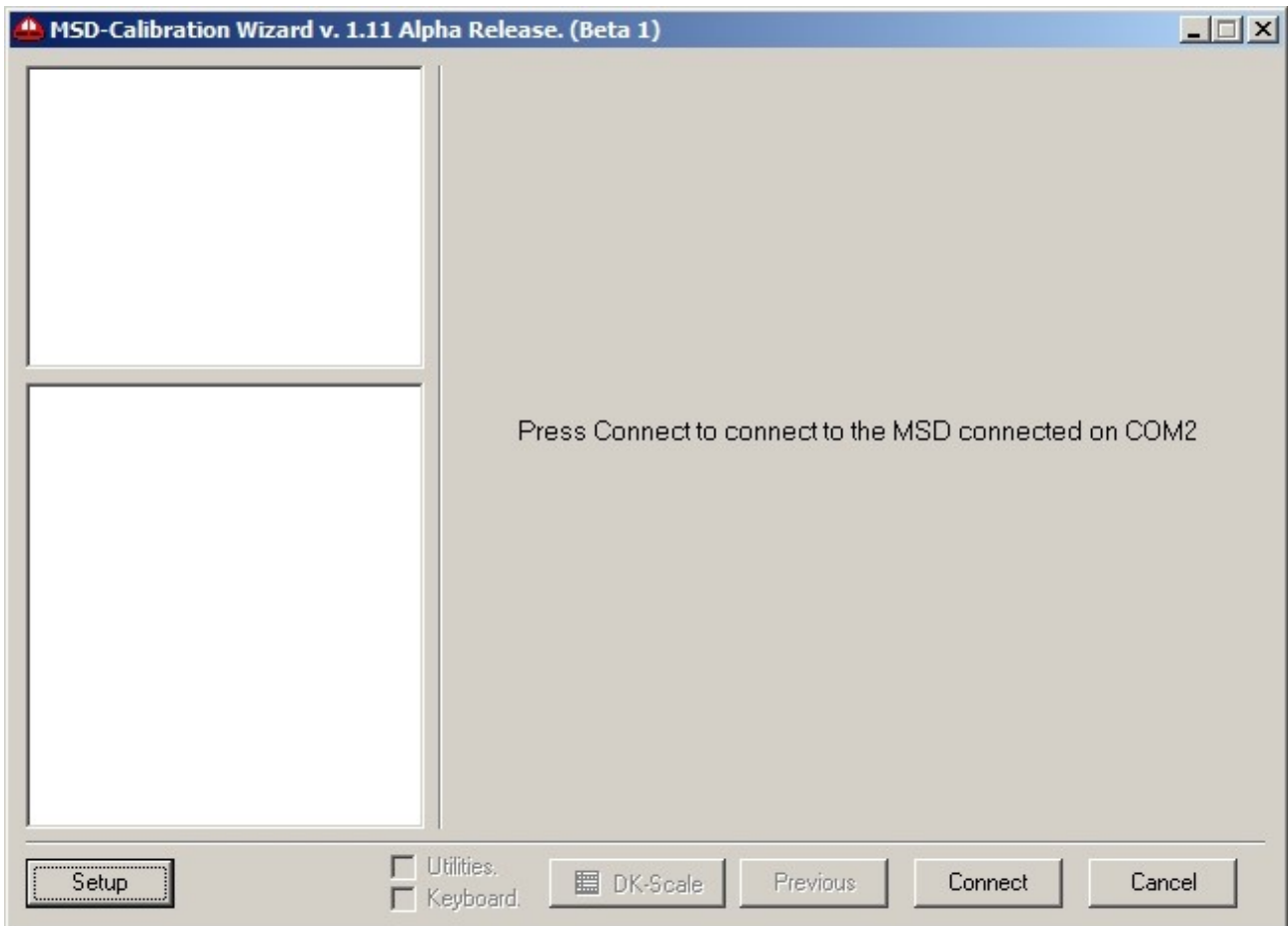
The meter have one 25 pin D-sub connector on the back. The pin configuration can be found in the users guide.

# Calibration

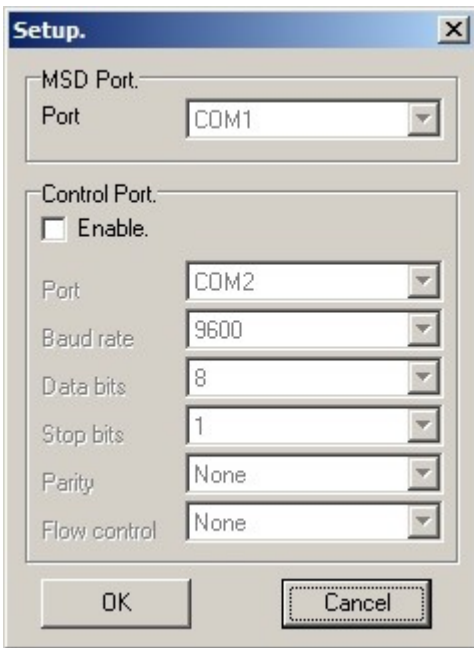
The MSD200/SA can be calibrated with the program CalibrationWizard.exe from DK-Technologies A/S.

## Step 1. Connecting to the meter

Put the MSD200 in analogue mode.  
Run the CalibrationWizard.exe.



If the program do not already is set to the right comport then click on the SETUP button and change the port.



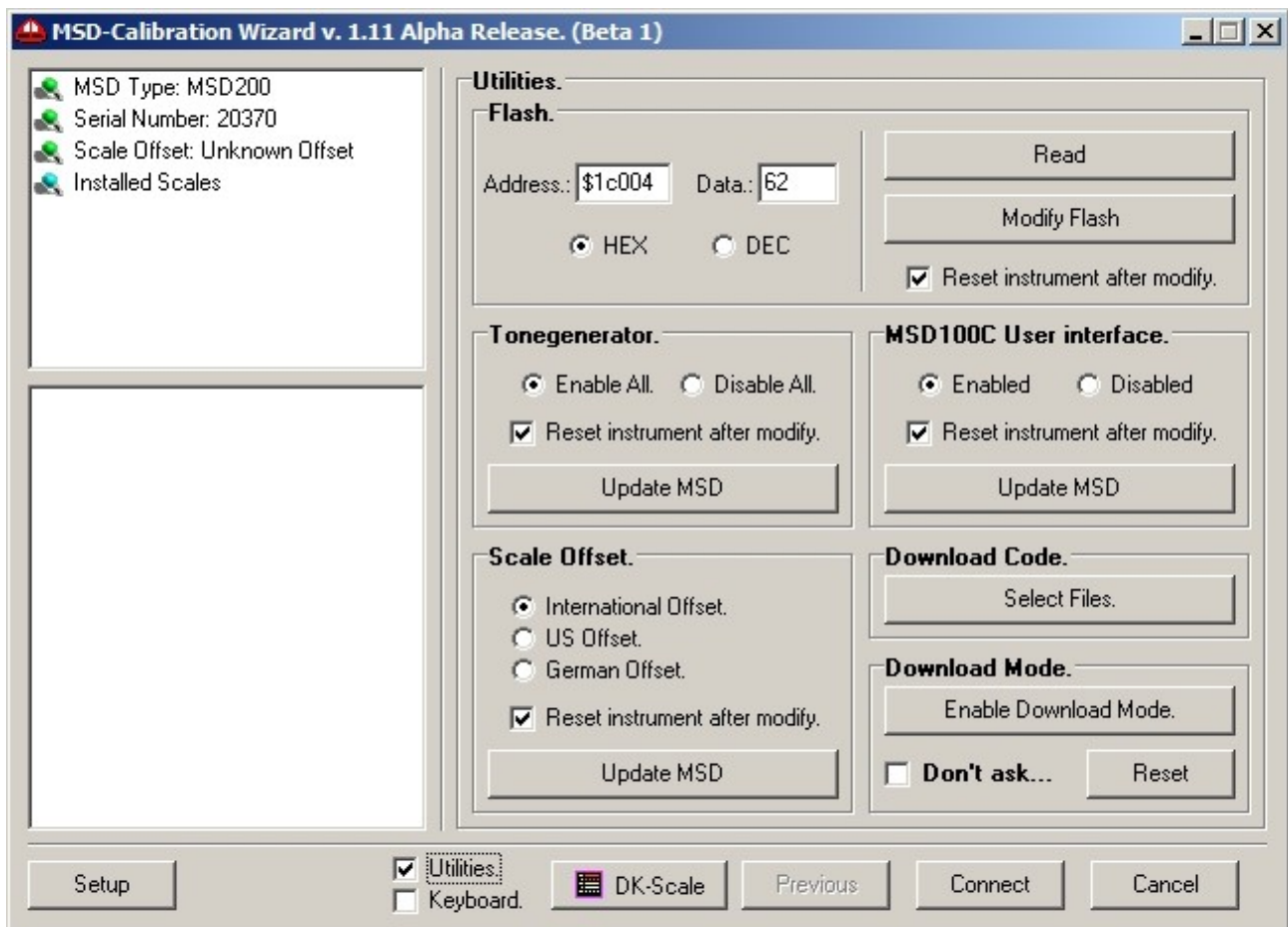
Click on the CONNECT button to connect to the meter.



The CalibrationWizard will now tell you that the MSD200 is not supported by this wizard. Click OK to this and check the Utilities flag.

## Step 2. Calibration

The calibration of the channels is manual. This means that you should try to predict the right calibration values for the left and right analogue channels. Use a 0dBu, 1000 Hz test tone.



### Left Calibration

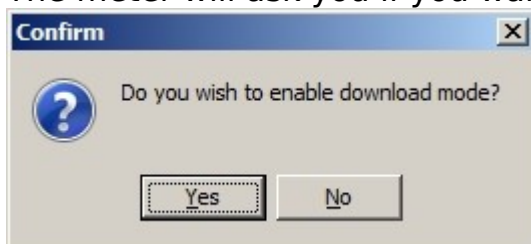
The address of the left channel is \$1C004 write this in the address field.

Now you will see the current calibration value in the data field.

If the bar is too high then write a lower number in the data field, if it is too low then write a higher number. Please note that the \$ sign tells you that it is a hexadecimal number.

Click the modify button to send the data to the meter.

The meter will ask you if you want to enable download mode. Click no to this.



The meter will automatically reset and load the new value. Continue until the bar is at the right height.

### Right Calibration

The address for the right channel is \$1C006. The procedure is the same as for the Left channel.