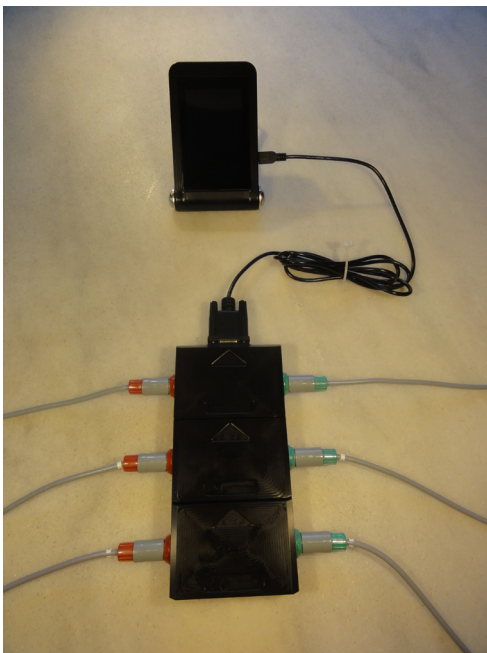


Vibratool is a scalable vibration measuring system for the automotive industry. The system consist of a Display Unit and 1 to 4 Hubs. Each Hub can handle 2 sensors. Therefore the system can handle up to 8 sensors.

The first Hub is connected to the Display Unit with a 1.5 meter cable, and will normally be placed in the cabin next to the driver.

The Hubs are stackable or if needed, can be separated by an Extension cable.

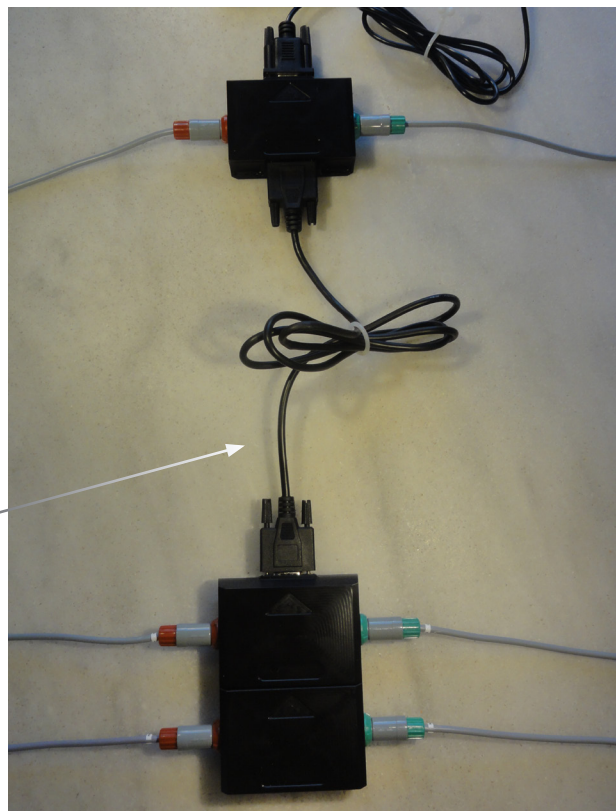
1. Connect all sensors to the Hubs and connect the first Hub to the Display Unit.



Hubs can be separated by an Extension cable, making it possible to place some of the Hubs, in the rear end of the vehicle. Normally used on Truck and Bus.

This wil bring down the number of long cables to only one,

Extension cable, standard 15 meters.



2. Connect the Power cable.



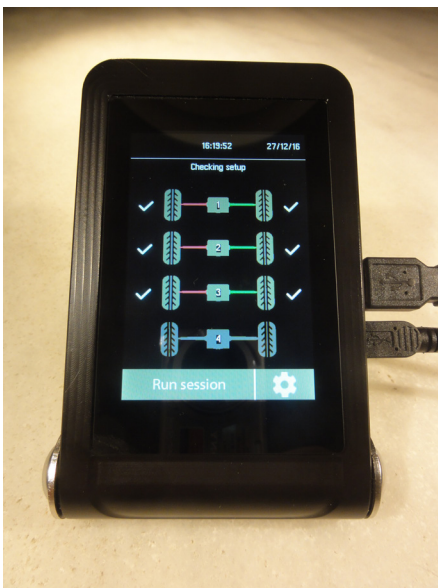
Connect Power cable to an USB outlet, or 12/24Volt outlet using the adaptor.

IMPORTANT:

Turn on power while the vehicle is stationary.

The power-up procedure can take up to 10 sec.

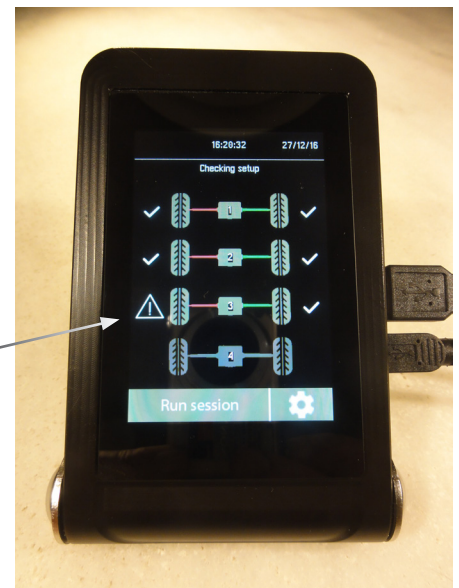
3. Checking Hubs and sensors.



When the Vibratool is powered up, the system checks how many Hubs and sensors is connected to the system.

The result is displayed on the screen.

If a sensors is missing or defect, this will be indicated.
If You see this, turn off power, and solve the problem.



4. Insert the USB memory Stick and Run Session



Insert the USB memory stick.

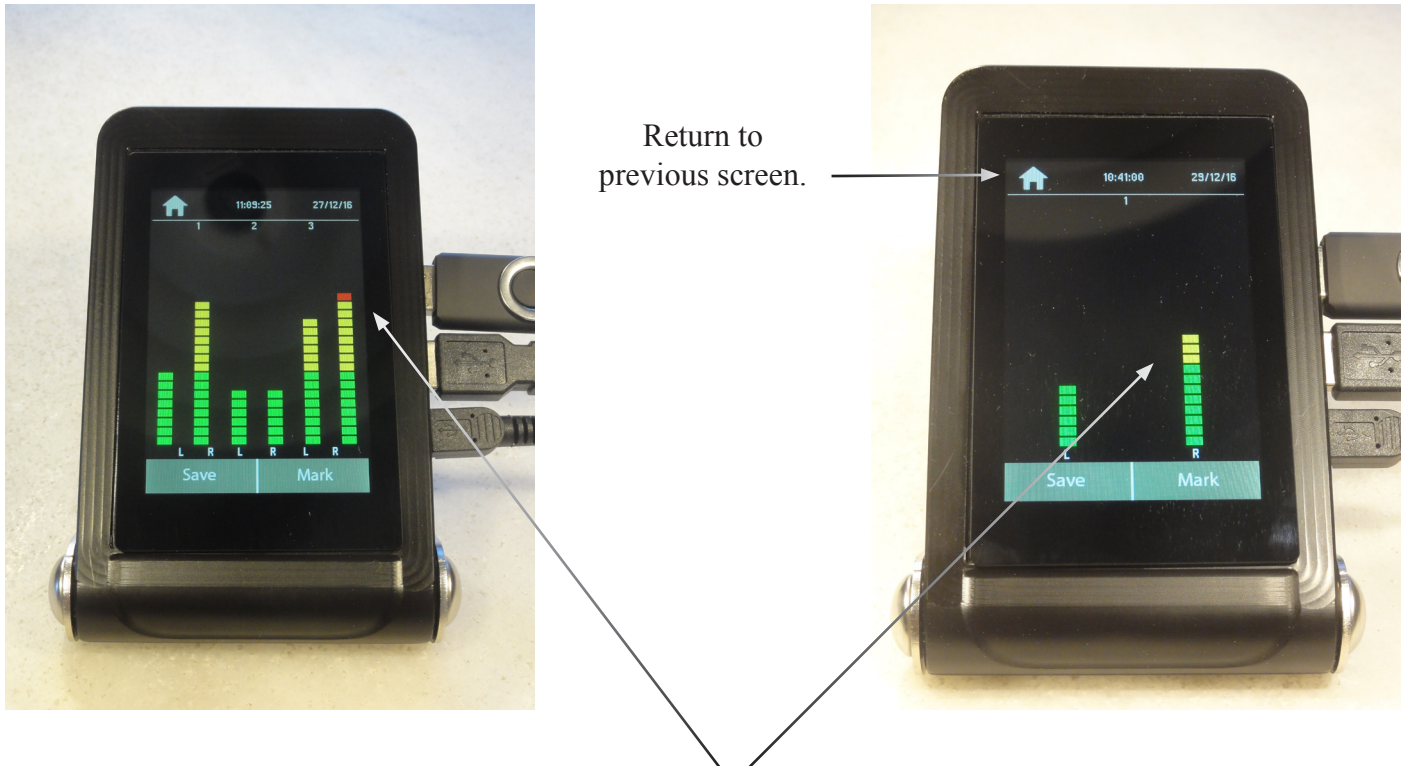
Press "Run session" and You are ready for a test drive.

5. Test Drive - How to read out result

During the test drive, data from each sensor is displayed in a bargraph.

The bargraph is scaled from 0 to 2G, and is displaying the sum of the three axis. ($X + Y + Z$)

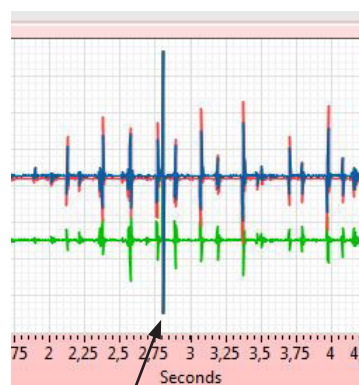
The numbers of bargraphs are automatically adjusted according to the number of sensors.



The sensor closest to source of vibration, will display the highest output.

6. Insert a bookmark

When searching for e.g. very small "Squeaks", You could benefit from inserting a bookmark, when analyzing data using the Vibratool Computer software.



6. Save recorded data to the USB memory stick.

Vibratool are storing measured data in the internal memory for 60 seconds, and will on demand save some of these data to the USB memory stick.

Data from the moment of pressing "Save" and back in time will be saved to the memory stick.

How many seconds back in time to be saved, depends on the contents of a file named "Setup.txt" on the USB stick.

Number of seconds can easily be changed using Notepad.

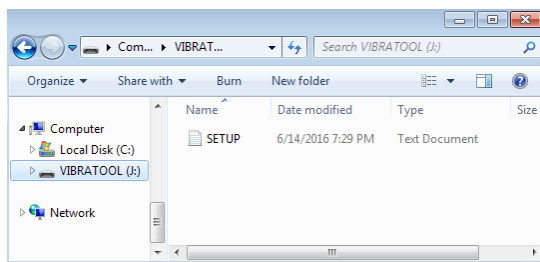
Remember that many seconds means longer time for saving data.

We recommend 5 to 10 seconds.

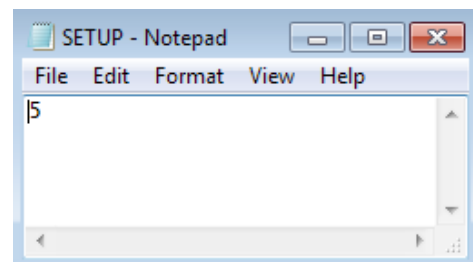


Press "Save" to save data to the USB memory.

Location of Setup.txt



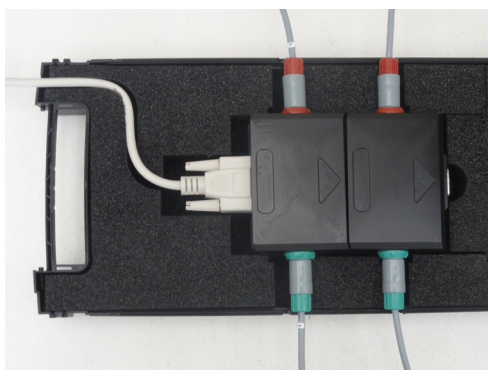
Contents of Setup.txt



7. Placing Hubs remote using an Extension cable.

If Hubs are placed outside the drivers cabin, you can use the suitcase for the Hubs for weather protection.

Place the Hubs in the suitcase, connect all sensors, connect the Extension cable and close the suitcase.

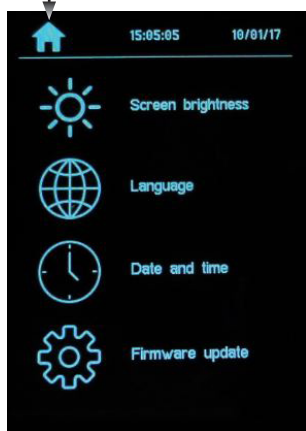


7. Setup menu.



Press this Icon to enter the setup menu.

Return to previous menu.



Adjust screen brightness using the two arrows.

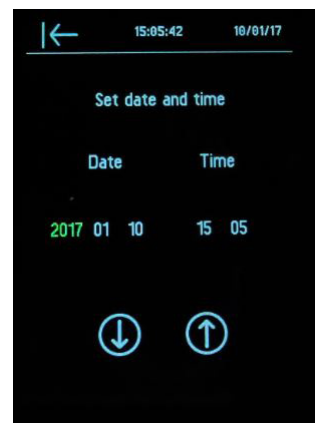
Keep pressing for auto repeat.



Select language.



Select what is needed to be adjusted.
Unit becomes green when selected.
Use arrows to change.



Shows the current firmware version.

How to update if needed :
See special instruction.

