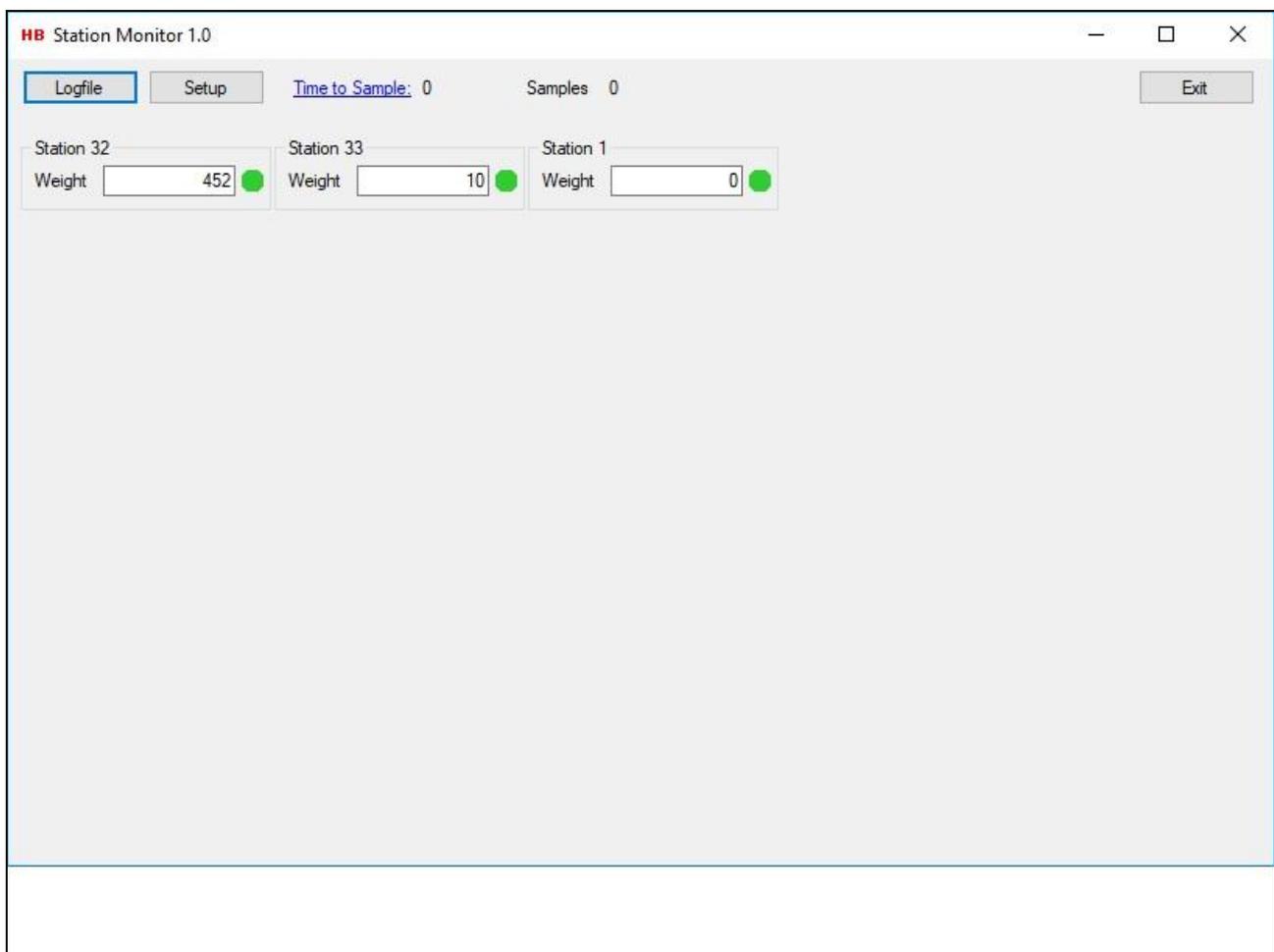


Station Monitor V 1.0

1 Introduktion

This Station Monitor is a simple tool to read the weight data from a number of H&B Weighing units. The units are connected via Ethernet to this monitor. The weight are read from each Station approximately once per second, and the weight are put on display. The monitor can record data to a log file. The Logging is started by appointing a folder to store the log files where data will be recorded at the specified rate. The default setting is one sample per minute. The logfile name contains the Date and Time of its creation and the Monitor automatically changes to a new log file when the date changes at midnight.

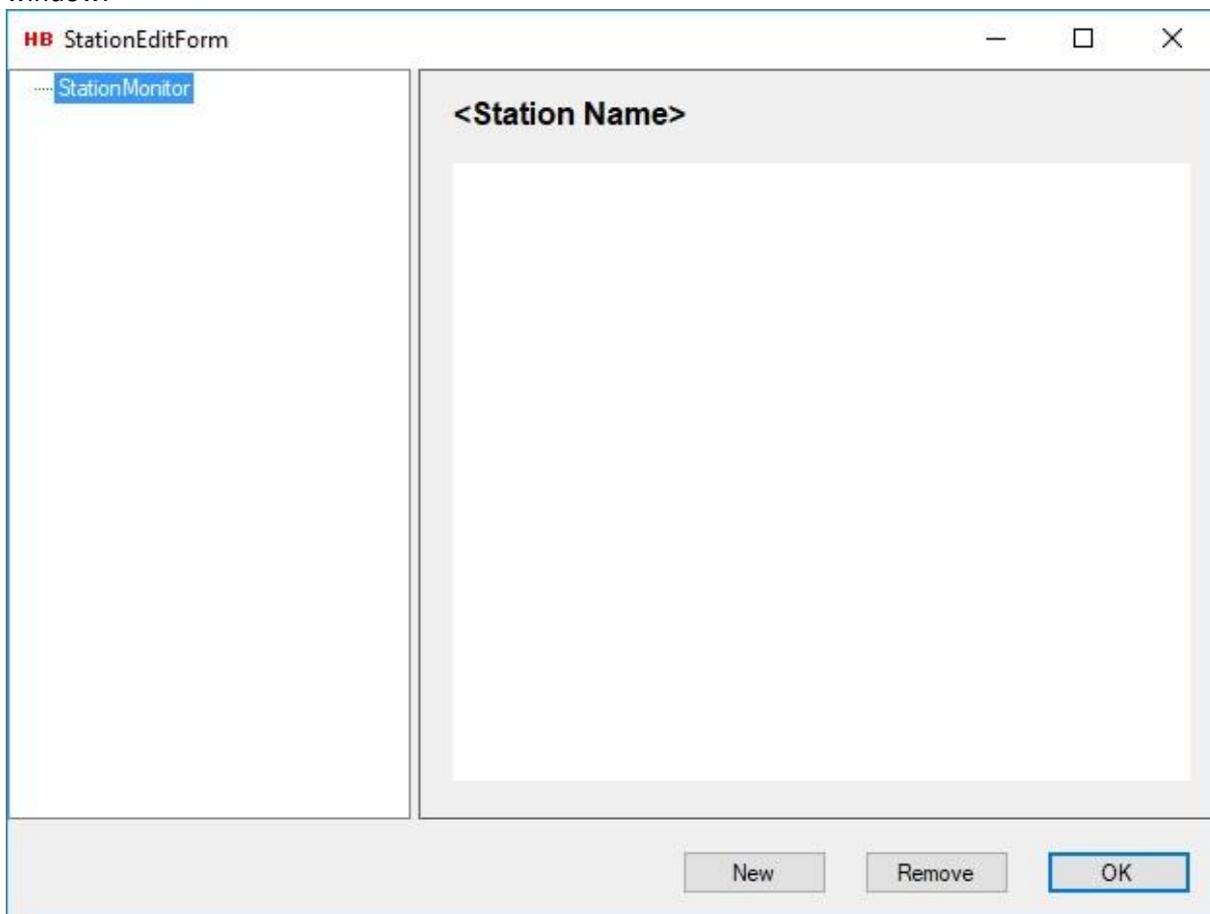


2 Getting Started.

First, you must tell the Station Monitor which stations you want to monitor. When the Station Monitor is started first time it will look like this:



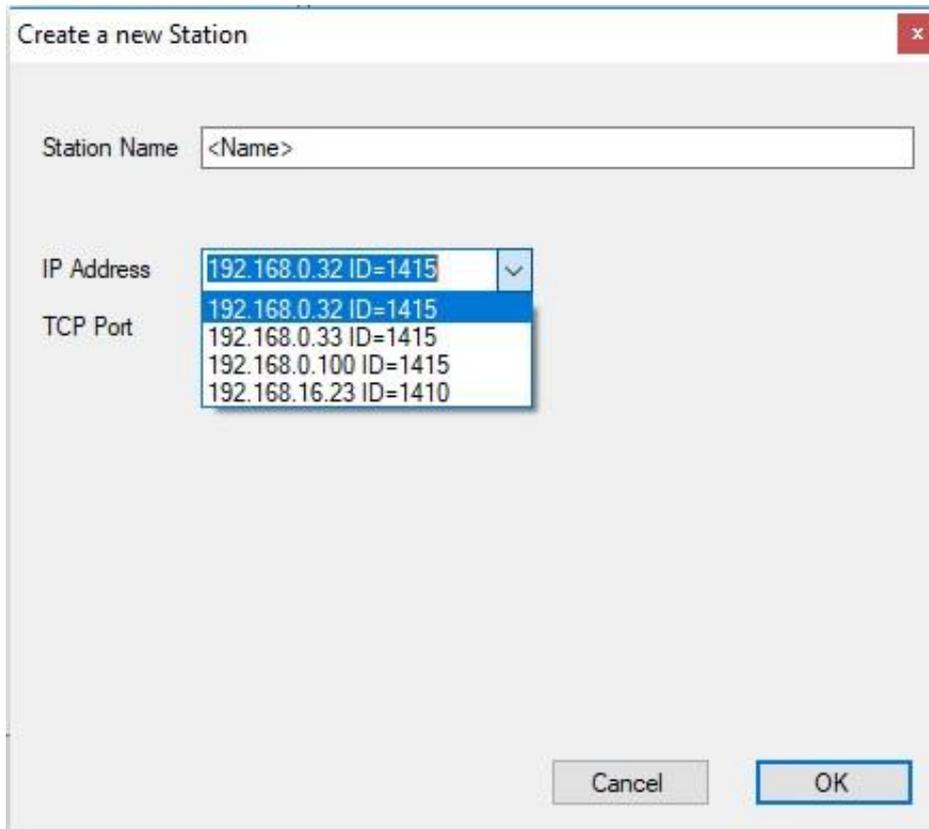
The "Logfile" button is grayed because there are no stations at this point and the "Setup" button is highlighted. The "Setup" button is the entry to setup one or more stations. It Open the Station Edit window:



2.1 Add a new Station

Press the “Setup” button to open the Station Edit window.

Here you can create New stations or Remove existing stations. Press New to setup a new station to monitor.



The screenshot shows a dialog box titled "Create a new Station". It has a close button in the top right corner. The dialog contains three input fields: "Station Name" with a placeholder "<Name>", "IP Address" with a dropdown menu, and "TCP Port" with a dropdown menu. The IP Address dropdown is open, showing a list of IP addresses with their corresponding IDs: 192.168.0.32 ID=1415 (highlighted), 192.168.0.33 ID=1415, 192.168.0.100 ID=1415, and 192.168.16.23 ID=1410. At the bottom, there are "Cancel" and "OK" buttons.

Enter the desired name for the station in the “Station Name” field and select the actual station IPv4 Address. If you can’t see your station, you can also enter the IP Address manually in this field. When the IP Address is entered manually it must be entered as the IP-Address only e.g. “192.168.11.90”. The TCP port is default 23 (telnet). If you are using Ethernet to Serial converters, like the NET485, you may need to enter a different port.

The IP Addresses shown as possible IP addresses are H&B units found on the local network. However routers and switches *may* prevent the Station Monitor from “detecting” H&B units.

When new stations have been added or stations have been removed you *must* restart the Station Monitor to apply the changes.

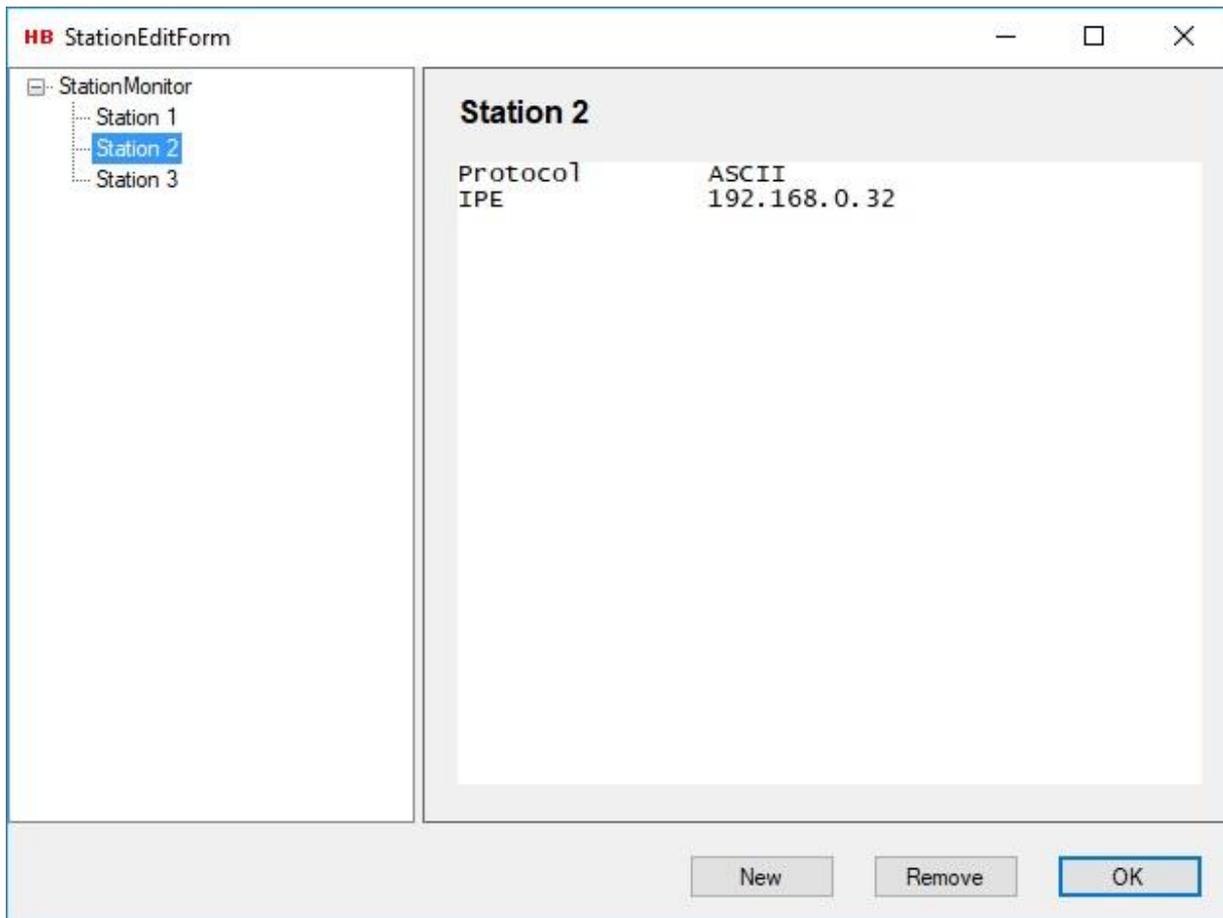
2.2 Remove a station

Press the “Setup” button to open the Station Edit window.

Here you can Remove existing stations. Click on the station you want to remove.

Then press the “Remove” button.

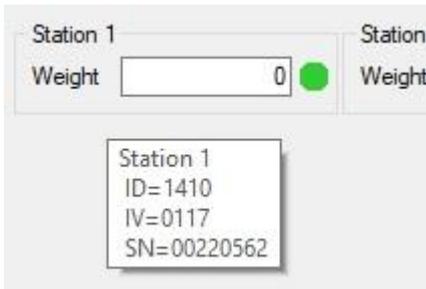
When new stations have been added or stations have been removed you *must* restart the Station Monitor to apply the changes.



3 Running the Station Monitor

When the Station Monitor is started it reads its Configuration File to determine the stations Parameters. It creates a Small window showing the Net Weight (“GN”) from the device which is read approximately once per second. The indicator shows the state of the connection to the Station: Green=Connection OK, Orange=Trying to Connect, Red=Connection Failed.

When the Station is connected you can place the mouse over the station’s window to see the ID, IV and Serial number.

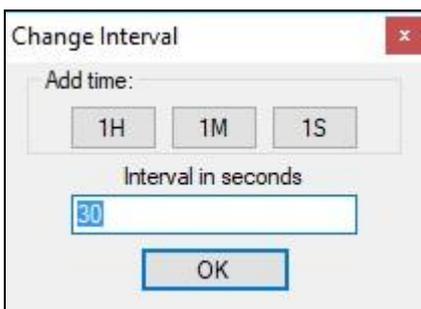


3.1 Logging data

By pressing the LogFile button, you can select a Folder to place the Logfiles created by the Station monitor. The files are named like: “St_20180212_104214_079.csv”. Where the first 8 digits are YYYYMMDD and the second 6 are HHMMSS, and the last 3 are fractions of the seconds where the file was created. The Monitor automatically changes to a new log file when the date changes at midnight.

The Logfile contains a column for each configured station plus 2 for date and time.

The DATE is the first field/column and the TIME is the second. The following fields are the weight data for each configured station. If a station is not connected the corresponding field in the Logfile will be empty. The logging interval can be adjusted by clicking “Time to sample” label. This will open a window to set the sample interval in seconds. Tree buttons may help you to add Hours (3600s), Minutes(60s) or seconds.



The logging can be stopped by pressing the LogFile button and then just closing the Folder Selection window. Then the recording will stop and the “Time to sample” will go to zero. The samples count will freeze.

Logging does not start automatically when the program is started. You must press the Logfile Button and select the folder on order to start logging.