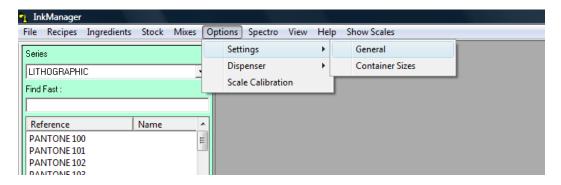
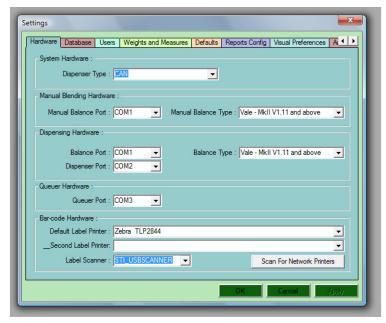
Basic Calibration of V2.0? Scales using USB Weigh

If, for any reason, calibration cannot be performed on the ValeScale Mkii V2.03 and above scale using InkManager, the supplied USB Weigh can be used. If the software cannot be found on the system or on the support website, please request a copy from Vale-Tech Ltd Technical Support.

With USB Weigh installed and the scale connected, determine the com port the scale is attached to on the PC, this should be set in the Hardware tab of settings in InkManager, in this example Com1 is the port used on the scale:

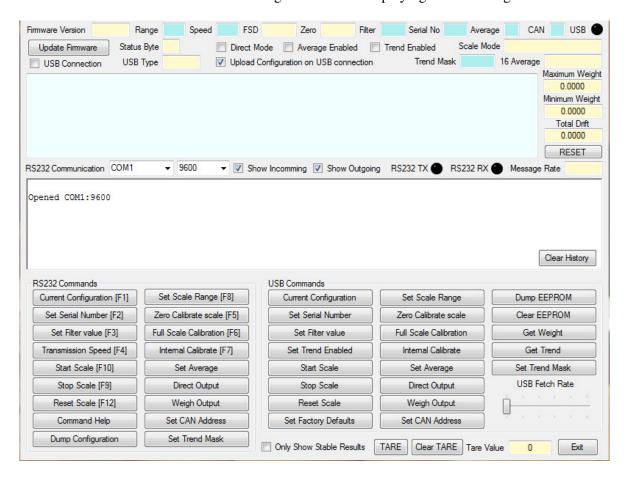




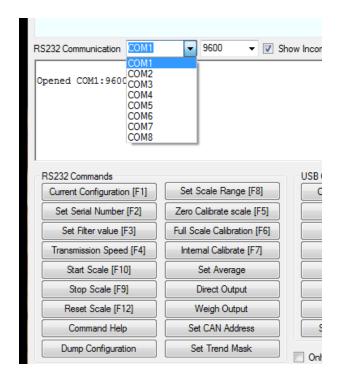
Having established the Com port, close the Settings window and InkManager. Locate the USB Weigh icon on the desktop as shown below, if the icon cannot be found, use the link from the Vale Tech program group within USB Weigh.



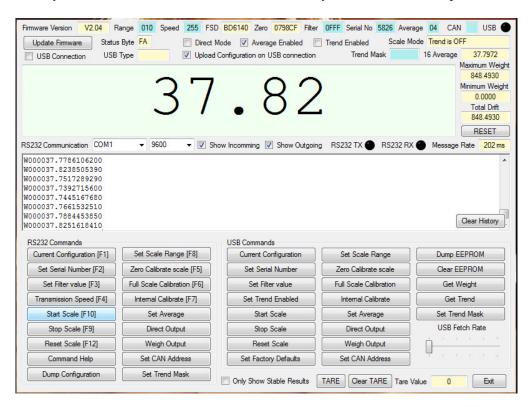
Double click the icon and USB Weigh will launch displaying the following window:



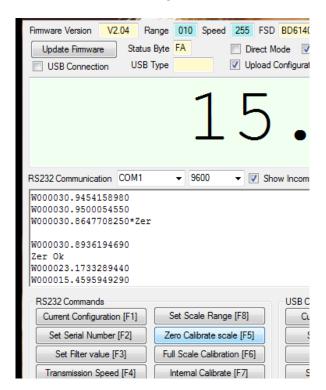
Click on the RS232 Communication drop down menu to select the scale comm. Port if other than Com1 as shown:



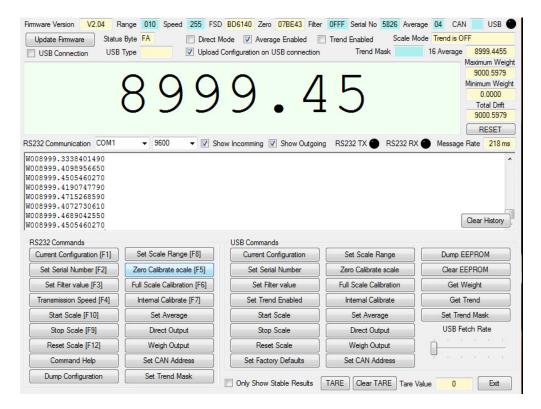
Click on the Current Configuration (F1) button to get the scale Range, Speed, and other settings. Click the Start Scale (F10) button to start the scale transmitting, values of around 700. 00 will normally be seen. Remove the Weigh Pan and place the Light Weigh Pan on the Scale as you would normally, a low value should be seen but is not always the case, see example below:



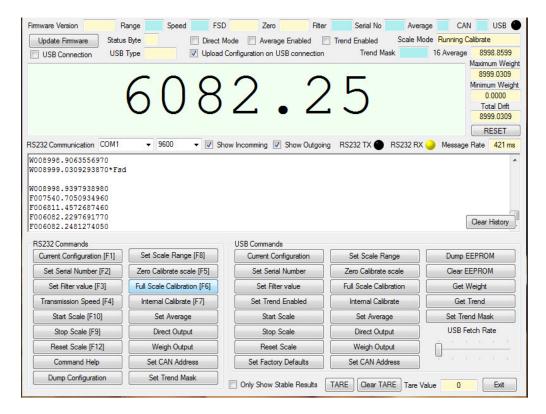
Click the Zero Calibrate Scale (F5), the Zer command is sent to the Scale, seen in the Data Window shown below, and the values should change to around zero after a few seconds.



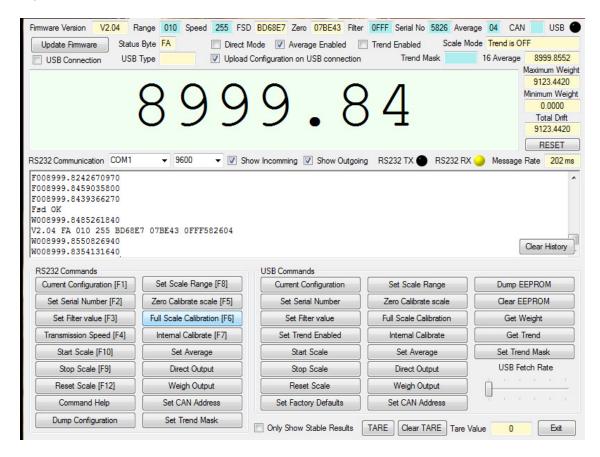
Next place 9Kg (for a 10Kg range Scale) of weights on the Scale, the readings displayed should be around 9Kg depending on how far out the scales were to begin with, as shown below:



Click the Full Scale Calibration (F6) button, the display will change and start counting up from about 6000, this is normal and it may take a few seconds to several minutes to perform this part of the calibration, the FSD command can be seen in the Data window below:



Completion of Calibration is notified in the Data window also, but due to the scrolling nature of the data it is difficult to see, when calibration is complete the Fsd OK message can be seen briefly as shown in the Data window below:



If the display appears to be stable and several minutes have passed, it is probable ok to stop the scale transmitting with the Stop Scale (F9) button, remove the Light Weigh Pan and replace the Weigh Pan. Test the Scale Accuracy using Show Scales in InkManager.

If in doubt, the Full Scale Calibration (F6) button can be clicked again and watch the Data window carefully for the Fsd OK message, after you have seen it, check the scale as described above.

It is important that no other buttons are clicked or setting change in this software, as undesirable operation may follow. The USB Weigh software is a powerful Test and Configuration tool that cannot be fully described in this guide, please follow the instruction without deviating from them.

If you have any problems with running the software or performing the calibration with this guide, please contact support@vale-tech.co.uk.