

MA-405 Update and Calibration Guide

A 2 minute video tutorial of this process can be found at grainanalyzers.ca/tutorials

Please follow all the steps in this document to ensure proper update of your MA-405. If you were sent a USB flash drive in the mail, you can skip to Updating the Device.

Transferring the Files

1. Unzip/extract the bundle and copy the contents to a USB 3.0 flash drive. The usb must contain the 56 items as seen in *Figure 1*.

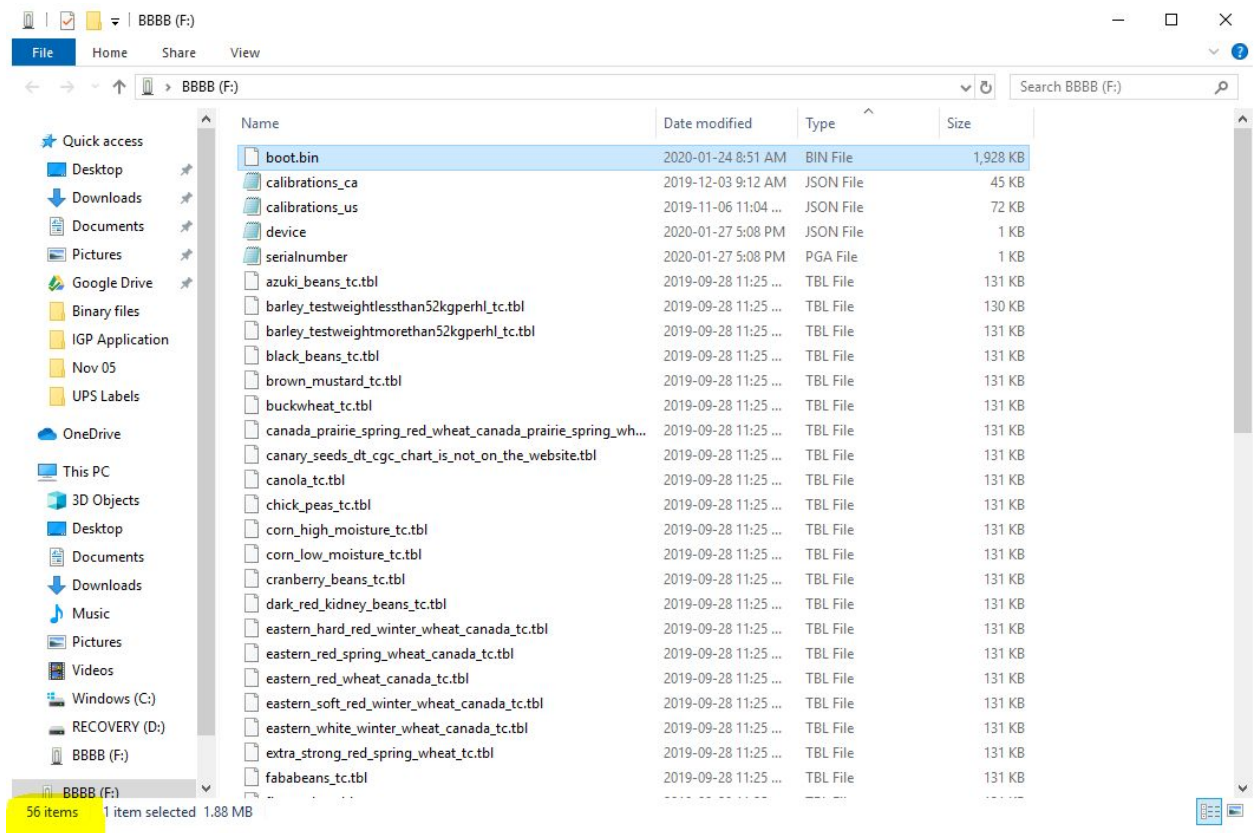


Figure 1: Contents of the USB Flash Drive

Notes

- a. There have been issues with Apple computers duplicating files when copying and it will not work. Please use a Windows PC.

b. Putting the contents in a folder in the USB will not work. See *Figure 2*.

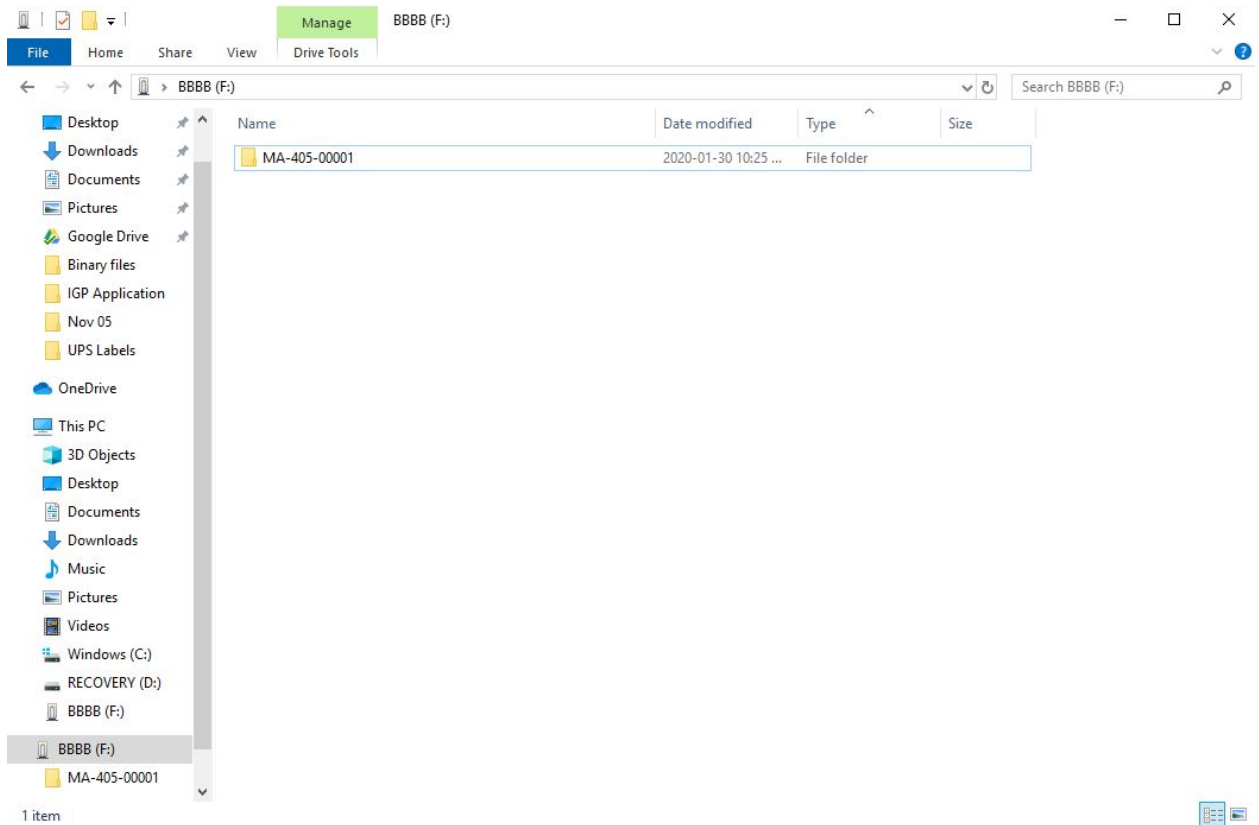


Figure 2: Wrong Way of Copying the Files

Updating the Device

1. With the device off, insert the usb.
2. Turn on the device and **hold the power button until the update is finished**. You will see a blue text that says *"Bootloader initialized, File opened, Bytes Read"* and wait for the update to finish.
3. The device should turn on and you can release the power button. The device is now updated.

Uploading Calibration Files

1. Go to Settings > Maintenance. The password is PGA in capital letters.
2. Click Format Filesystem, Reset Defaults, Reset Frequency, and Reset Maintenance.
3. Go back to Settings > USB > Calibrate. This will copy 54 files. Wait for it to finish and click OK.

Calibrating the Scale

1. Go to Settings > Scale > Calibrate Scale.
2. Make sure the machine is sitting on a flat surface and is empty of grains inside. Start.
3. Gently place the **200 gram weight** beside the cone inside the machine. Wait for it to finish. The scale is now calibrated.
4. Don't forget to do a Scale Check after calibration. It should show 0 grams when empty and 200 grams when the 200 gram weight is in the machine.

Testing the Device

1. Turn off the device and take out the usb flash drive.
2. Turn on the device and test if it is showing moisture. Your device is now ready to use.

Contact Us

Once again, a 2 minute video tutorial of this process can be found here:

grainanalyzers.ca/tutorials or <https://youtu.be/7IowGlXmBOE>

If you are experiencing any difficulties, call Mehrdad at +1 204-962-3500 or email technical support at technical@grainanalyzers.ca.