The mini GAC® 2500 is shipped with preset calibrations suitable for most customer use. Customers who desire to measure moisture in other grains, nuts, and products should check the DICKEY-john® website to determine if a calibration is available for their desired commodity. Once a calibration file is found and downloaded, customers can use the steps below to load the calibrations onto their mini GAC 2500.

HARDWARE CONNECTION

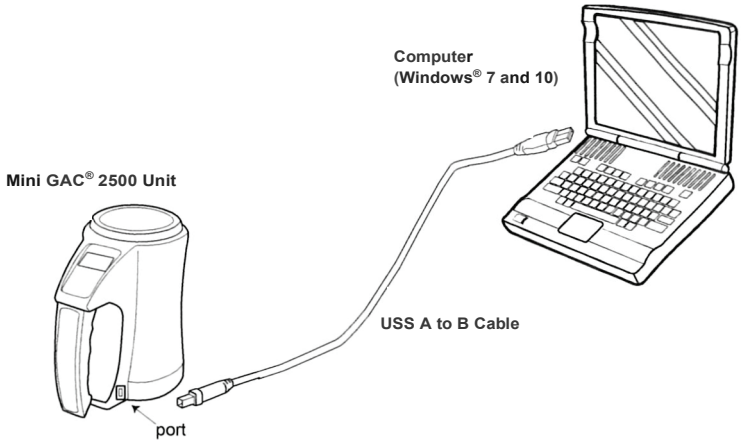
To load grain calibrations onto the mini GAC® 2500, a USB cable and the mini GAC 2500 Product Calibration Transfer tool is required is required.

USB Symbol

1. Connect the USB cable to an available USB computer port.
2. Remove the dust protector from the mini GAC® 2500 port located on the bottom of the unit near the handle. Connect the other end of the cable to mini GAC® 2500 USB Port.
3. When properly connected, the USB symbol will appear on the mini GAC 2500 display. The mini GAC 2500 will power on when it is plugged in.
4. If the mini GAC 2500 unit is off, press the on/off button to power on.

NOTE: mini GAC 2500 functions are inoperable while connected to the PC Application Tool.

Figure 1 USB Connections

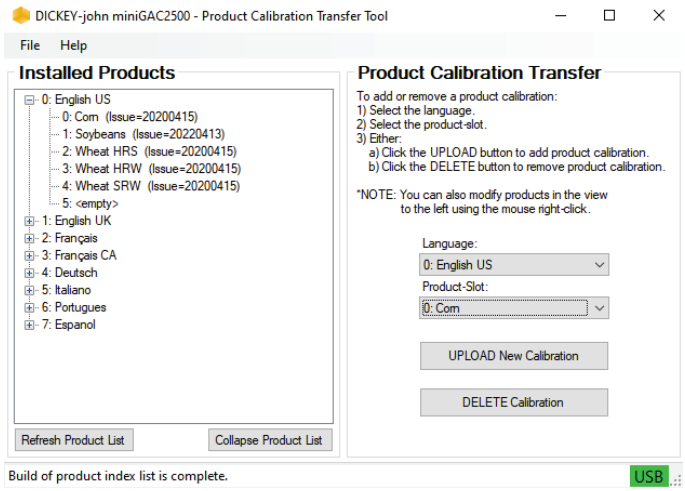


USING THE PRODUCT CALIBRATION TRANSFER TOOL

NOTE: Reference the Troubleshooting section for possible download errors and resolution.

1. Open the mini GAC® 2500 Product Calibration Transfer Tool. The USB symbol must be displayed on the mini GAC® 2500 unit for the communication between the PC and the unit to be active.

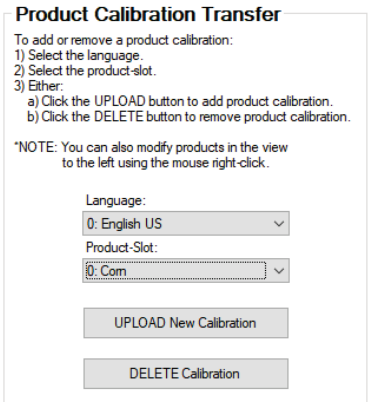
Figure 2 PC Application Main Page



USB Symbol

2. Upon connecting the PC app to the mini GAC® 2500, the language and product data will automatically be read from the mini GAC 2500 and displayed in the left window of the PC app. Refer to (Figure 4).
3. Use the Language drop down box to select the appropriate language. Then use the Product drop down box to select the grain be updated, replaced or deleted. Refer to (Figure 5).
   - Each language can have a maximum of 20 calibrations

Figure 3 Product Field Entry



NOTE: Uploading new grain calibrations can only be done one at a time.

4. Once the correct product slot is selected, click the “UPLOAD New Calibration” button. Navigate to where the calibration file you wish to upload is stored on your computer. Click “Open” once the file is selected. A warning will appear to confirm what product will be uploaded and which product will be replaced. Click “Yes”.
5. To remove a product calibration, select the desired language and product in the drop-down lists (or right-click the designed product in the Product view) and click the “DELETE Calibration” button.
6. A confirmation will display on the computer verifying a valid calibration upload or deletion.
7. To view the current calibrations stored in the mini GAC® 2500, look on the left side of the PC Application Main Page. The calibrations list shown in the Installed Products window can be updated at any time by clicking the “Refresh Product List” button.
8. Close PCT and remove cable from computer. New calibrations can be found on product screen.

NOTE: Language settings cannot be changed on the mini 2500 GAC® unit using the PCT.

MOISTURE AND TEST WEIGHT BIAS

In situations where moisture and test weight differences occur with a local grain elevator, the Bias function allows for entering a correction factor in moisture and test weight to compensate for those differences.

This Bias adjustment can be done from the PCT software tool or from the mini GAC® 2500.

To adjust Bias from the PCT Tool:

1. In the “Product List” on the left-side of the main window, right-click the desired product.
2. Select “Edit Bias” (Refer to Figure 6).
3. Allow time for the PCT tool to collect and display the bias data.
4. Enter new values and click the “Set Bias Values” button.
5. To re-verify the Bias values, click the “Get Bias Values” button to read them from the mini GAC® 2500 device.

Figure 4 To Adjust Bias from the PCT Tool

TROUBLESHOOTING

NOTE: For troubleshooting assistance, contact DICKEY-john® Technical Support at 1-800-637-3302. Regions outside of the United States should contact a local distributor.

Issue	Probable Cause	Corrective Action
Error occurred during transfer	1) Lost USB communication between mini GAC® 2500 and computer. 2) mini GAC® 2500 battery is low or dead. 3) mini GAC® 2500 powered down automatically (auto power down turned off the mini GAC 2500) 4) A USB communication error occurred between the computer and the mini GAC 2500.	1) Ensure the USB cable is properly plugged into the computer USB port. Unplug and re-plug-in the USB cable into the mini GAC 2500 USB port. Verify the USB connection status in the PCT Application (lower right corner of window should have a green USB indicator). 2) Replace the 9V battery with an approved lithium battery. 3) Power on the mini GAC 2500. 4) Retry the product calibration transfer.
Device not connected	1) Lost USB communication between mini GAC 2500 and computer. 2) mini GAC 2500 powered down automatically (auto power down turned off the mini GAC 2500).	1) Ensure the USB cable is properly plugged into the computer USB port. Unplug and re-plug-in the USB cable into the mini GAC 2500 USB port. Verify the USB connection status in the PCT Application (lower right corner of window should have a green USB indicator). 2) Power on the mini GAC 2500.
Invalid calibration file type error	1) A product calibration file designed for a device OTHER than the mini GAC 2500 was used. 2) The product calibration file is corrupted.	1) Ensure that a product calibration file dedicated for the mini GAC 2500 is used. 2) Re-download the product calibration file.
Error-28 displayed on mini GAC 2500	There are no product calibrations loaded onto the mini GAC 2500.	Using the PCT Application, ensure that all languages on the mini GAC 2500 have at least one product assigned to them.