

INSTRUCTIONS FOR LOADING OFFICIAL CALIBRATION BUNDLES ON GAC®2500 & GAC®2700 INSTRUMENTS

This instruction provides a step by step instructions for downloading & updating the official grain calibrations on the GAC®2500 & GAC®2700 instruments.

These instructions are not meant to be used for updating the calibrations on the GAC®2500-AGRI & GAC®2700-AGRI instruments. Calibrations on those instruments should be updated individually instead of as a bundle.

For technical assistance, please contact DICKEY-john technical support at 1-800-637-3302.

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DOWNLOAD CALIBRATION BUNDLES

IMPORTANT: If updating a GAC®2500 instrument, verify the USB memory device that you are using is 2-4 GB and formatted as FAT and NOT FAT32. See “Formatting USB Memory Device” section for formatting instructions if needed.

This instruction provides a step by step instructions for updating the official grain calibrations

- a. Insert USB memory device into computer's USB drive.
 - Remove all existing files from USB memory device.
- b. Visit the DICKEY-john calibration website at <http://cal.dickey-john.com/Calibrations.aspx>.
- c. From the instrument dropdown in the top left hand corner, choose “GAC2500” or “GAC2700.”
- d. Click on “GAC2500/GAC2700 Calibration Bundles” button on the right side of the page for the bundle options to be displayed.
- e. Click on the bundle you wish to download.
- f. Copy all files or desired individual files and paste into the root directory of the USB memory device.
 - Root directory (such as F:/) is the first directory that shows when opening a drive.
 - If having issues locating the root directory, go to “Start/My Computer” and open the USB memory device.
- g. Wait for files to finish copying and then remove USB memory device from the computer.

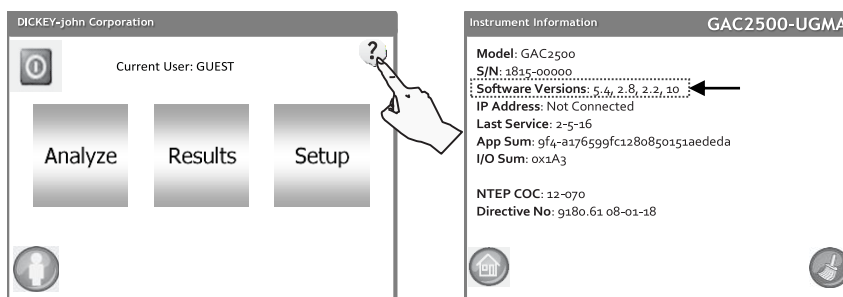
GAC[®]2500-UGMA & GAC[®]2500-INTL

Verify Instrument Software Version

IMPORTANT: Steps to load the calibrations vary based on the software installed on the instrument. Check the software version of the instrument using the steps the steps.

At the Main Menu of the GAC[®]2500, press the **Information** button. Follow the appropriate instruction section based on software version installed on your instrument.

Figure 1. Information Screen

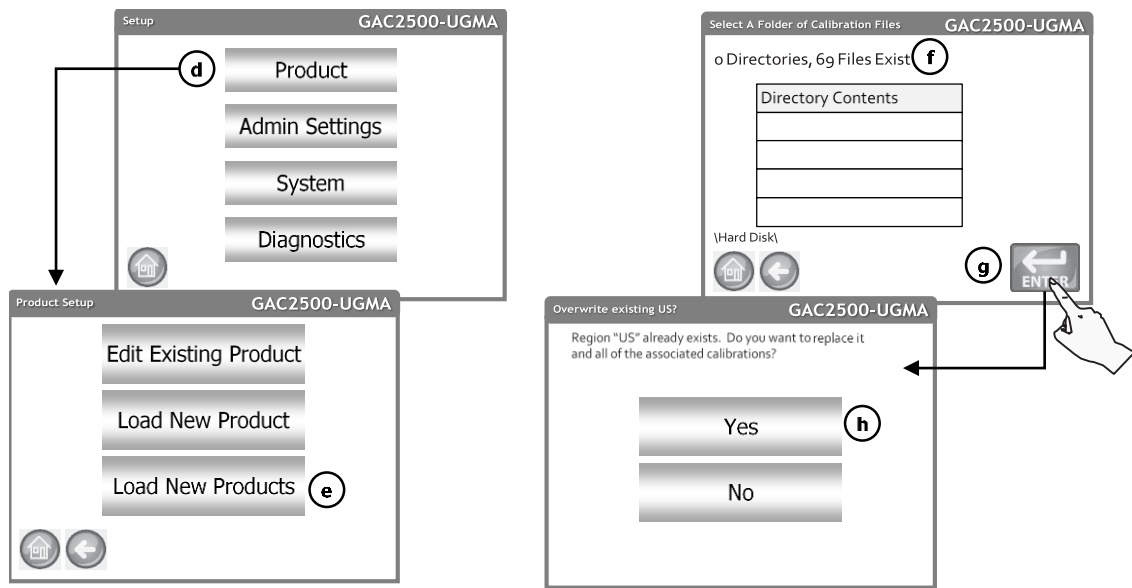


Load Calibrations on Software Version 5.4 or Above Instruments

IMPORTANT: Any custom calibrations on the instrument should be saved to a USB memory device before starting the installation.

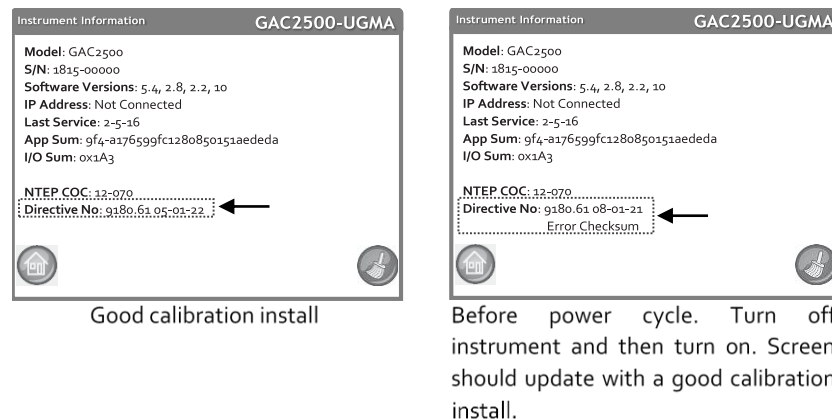
- Insert the USB device into the instrument.
- At the Main Menu screen, press the **Setup** button.
- Enter the user name and password and then press the **Enter** button.
- At the Setup menu, press the **Product** button.
- At the Product Setup screen, press the **Load New Products** button.
- The next screen displays the number of files that exist on the USB memory device.
- Press the **Enter** button.
- Press **Yes** to begin installation of new files. Old products are removed (including custom calibrations).
 - Refer to "Reloading Custom Calibrations" section for re-installing any custom calibrations.

Figure 2. Loading Calibrations with Software Version 5.4



- i. Remove the USB device from the instrument.
- j. After loading calibrations, the Product Setup screen displays. Press the **Home** button to return to the Main Menu.
- k. At the Main Menu, cycle power.
- l. After power up, press the **Information** button to verify that "05-01-22" displays as the new date at the Directive No, shown in Figure 3, as a good calibration install.

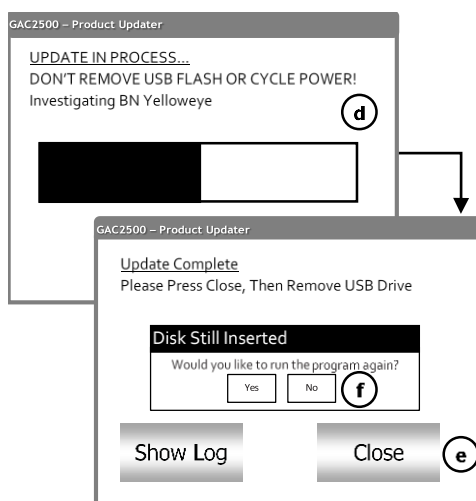
Figure 3. Information Screen



Load Calibrations on Software Version 5.1 or Below Instruments

- a. Power **OFF** the instrument.
- b. Insert the USB memory device into the USB port located on the front panel.
- c. Power on instrument.
- d. Files automatically begin loading to the instrument. The program will back up all existing calibration files and install the new ones.
- e. Press the **Close** button to exit.
- f. When update is complete, press **No** to avoid running the program again.

Figure 4. Product Updater



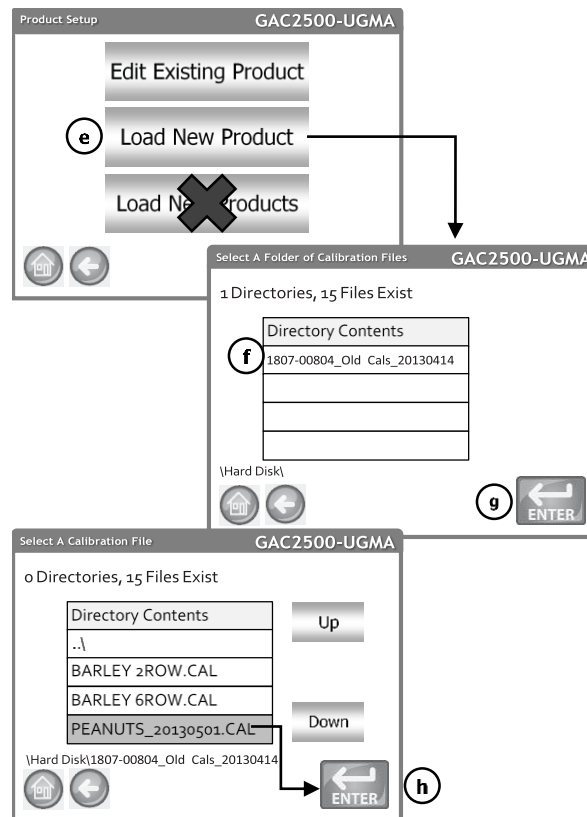
- g. Remove the flash drive and the instrument continues to power up.
- h. Once the machine is powered on, custom calibrations that were not included in the updater package can be restored by navigating to the backup directory on the flash drive named <machine serial number>_OldCals_<date(yyyyMMdd)>_<time(HHmm)>. These calibrations can be reloaded from the Setup menu.

Reloading Custom Calibrations

- a. Insert USB memory device into the USB port located on the front panel.
- b. At the Main Menu screen, press the **Setup** button.
- c. Enter the Name and Password, if required, or press **Enter** to proceed.
- d. At the Setup screen, press the **Product** button.
- e. At the Product Setup screen, press the **Load New Product** button.
 - **Do not use the Load New Products button to reload custom calibrations.**

- **NOTE:** The USB memory device must be inserted into the instrument to display the Load New Product button.
- f. To load a single product, press the directory contents file to highlight.
- g. Press the **Enter** button to open the directory.
- h. In the Directory Contents window, press the custom calibration to highlight and **press** the Enter button.

Figure 5. Reloading Custom Calibration

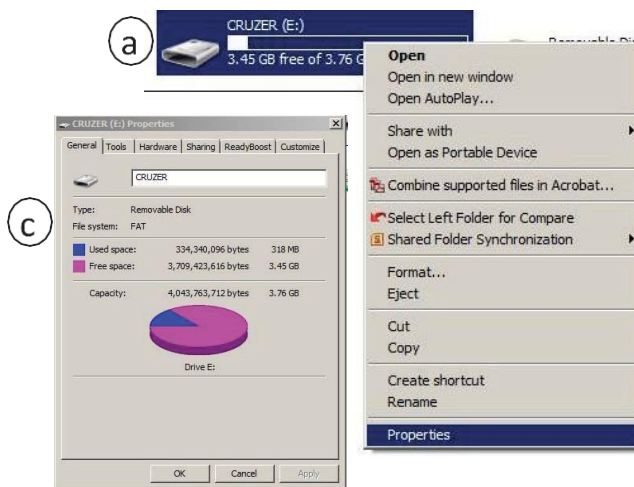


Formatting a USB Memory Device

NOTE: USB memory device should have 2-4 GB of storage capacity.

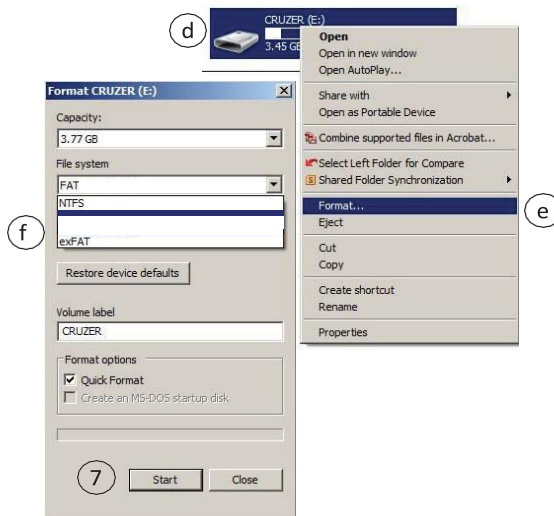
- Insert the USB memory device into the computer.
- Navigate to “My Computer”, locate the directory for the memory device, and click “Properties”.
- Look at the ‘File System’ type under the General Tab and verify the device is FAT.

Figure 6. Verify Formatting of USB Memory Device




- In “My Computer”, right click on the memory device directory.
- Click “Format”.
- Select “FAT” as the file system format.
- Click “Start”. The USB memory device is now FAT formatted.

Figure 7. Formatting USB Memory Device to FAT

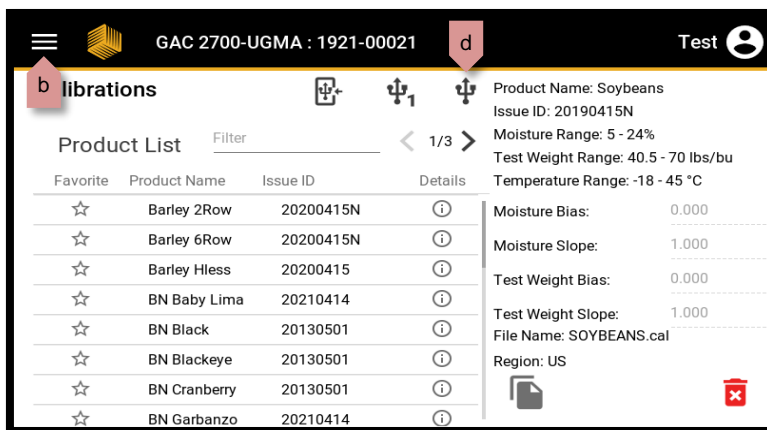
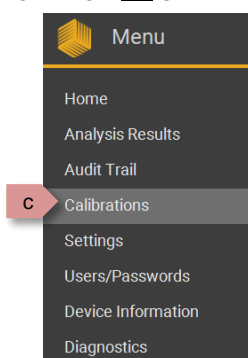




GAC®2700-UGMA

Load Calibrations onto GAC®2700

- Insert the USB device into the instrument.
- From any screen, press the  button in the upper left corner to open the navigation menu.
- Press **Calibrations** in the navigation menu.

NAVIGATION FROM  SCREEN:



- Press the  symbol at the top of the screen to begin loading the calibration bundle saved onto the USB memory stick.
- Press **Yes** to begin installation of new calibration files.
 - Only calibration files in the bundle will be overwritten & updated. All other calibration files will be unaffected.
- Once calibrations are finished loading, remove the USB device from the instrument.
- Press the  button to open the navigation menu the press **Device Information** in the navigation menu.
- Verify that "05-01-22" displays as the date at the NTEP Directive Number at the bottom of the screen.

NAVIGATION FROM  SCREEN:

