

STEP 7: STORING LOAD CELL RATINGS

1. Ensure the Libra Plant device and app are paired and connected.
2. Ensure units (lb, kg) are set to those of the *Rated Capacity* found previously.
3. Select the Devices tab and ensure the used channel(s) is set to "On." If only using one weight channel, ensure the unused channel is set to "Off."
4. Enter the *Sensitivity and Rated Capacity* noted previously by tapping on the appropriate weight channel's *Sensitivity* or *Capacity number* in Blue.
5. Tap *Next and Save*.
6. Ensure the *Calibration Factor* is set to 1.0.
7. Ensure the equipment is empty, tap *Zero Scale* and *Zero* to confirm.
8. Select the *Display* tab and tap *Tare*.
9. Apply a known weight (perhaps your body weight) to one of the load cells, recording the displayed weight. Repeat with each remaining load cell. If the load cells agree and are roughly correct, Go to Step 8. If the load cells agree but are roughly half of that expected, double the *Rated Capacity* entered previously. If weights do not agree, check wiring and load cell orientation.

STEP 8: CALIBRATION

1. Ensure the Libra Plant device and Libra Plant app are paired and connected.
2. Ensure the equipment is empty and on level ground.
3. Select the *Devices* tab and tap *Zero Scale* on the appropriate weight channel.
4. Tap *Tare* on the *Display* tab and then apply a known/certified weight to the weight channel's container, noting the amount displayed (record as positive).
5. Select the *Device* tab, tap the desired weight channel's blue *Calibration number* and enter the known weight as the *Certified Reading*.
6. Enter the noted weight from the app's *Display* as the *Libra Reading*.
7. Tap *Next and Save* to compute a new *Calibration Factor*.
8. Repeat steps 4-7 for the other weight channel if applicable.

For additional support, visit the Libra Plant section at support.agrimatics.com.

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LIBRA™ PLANT

Getting Started Guide

A step-by-step guide to installation and initial set-up for Libra Plant



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STEP 1: BATTERY INSTALLATION

1. Remove the lid of the Libra Plant device.
2. For first-time operation, remove the insulator pull-tab.
3. Ensure that the battery is well seated with correct polarity.
4. Secure the lid by hand tightening the screws completely.

Libra Plant uses either a 1.5V or 3.6V AA lithium battery. For maximum battery life, use a 3.6V battery.

STEP 2: DEVICE INSTALLATION



Mount the Libra Plant device to the front of the equipment with its connectors **pointing downward**, preferably protected from direct exposure to the elements. Connect the load cell junction box cable(s) to the device.

If you have a 12-volt vehicle battery power cable, you can connect it to the device's power connector (recommended). If not, cover the unused power connector with the supplied cap. Secure any excess cable.

WARNING: Vehicle battery connection shall be in accordance with all vehicle safety instructions including 4A SLOW ACTING protective fusing with minimum 20 AWG wiring.

STEP 3: DOWNLOADING THE APP

Download the app from the App Store or Google Play by searching for "Libra Plant."



STEP 4: CREATE/JOIN CLOUD ACCOUNT/REMOTE MODE

When you open the Libra Plant app for the first time you will be asked to join an existing cloud account, create a new account, or operate in Remote Mode only.

Joining an Existing Account

1. Tap *Join Account*.
2. Enter the access code. To find the code, log into your account on the cloud service website, navigate to the *Users* page, and click the eye icon (you may need to sign out first).
3. Tap *Join* to finalize the joining process.

Creating New Account

1. Tap *My Farm Doesn't Have an Account Yet* to start the account creation process.
2. Agree to the Terms and Conditions and provide a Google Account email (required for cloud website access).
3. Tap on *Create Farm Account* to complete.

Remote Mode Only

Remote mode allows you to connect an unlimited amount of devices to monitor live weights while in range of Libra Plant. Remote displays operate only when the Primary Display in the tractor is connected.

STEP 5: PAIR APP TO DEVICE

Pair directly through the Libra Plant app in the *Settings* tab, NOT through your general smartphone/tablet Bluetooth settings.

1. Ensure Bluetooth is enabled on your mobile device.
2. Bring your mobile device to the Libra Plant device and launch the Libra Plant app.
3. Select the *Settings* tab inside the app. For

the tractor's mobile device, ensure *Primary Display* is selected.

4. Tap *Add Libra* to add your new Libra Plant device to the app, and wait for the scan to finish.
5. Select your Libra Plant device from the list.
6. Provide a name, select Equipment Type, choose the desired weight display format (e.g., 10 lb, 20 lb), and tap *Add+* to finish.
7. Your device will now appear under "Libra Devices" with a check mark, indicating successful pairing.

STEP 6: FINDING LOAD CELL RATINGS

If you have an existing indicator:

Find and note the calibration number of your existing indicator as the *Rated Capacity* (lb), and use 0.40 as the *Sensitivity*. Please consult the existing indicator's user manual for help retrieving the calibration number.

Go to Step 7.

In all other cases:

Read and note the *Sensitivity* (*Rated Output*) and *Rated Capacity* (*Rated Load*) from any one load cell on the equipment. Multiply the *Rated Capacity* by the total number of load cells for the weight channel.

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