

If specifications are unavailable, a good starting point is a *Sensitivity* of 0.40 and a *Rated Capacity* of 8000 lb multiplied by the total number of load cells.

STEP 7: STORING LOAD CELL RATINGS

1. Ensure the Libra Cart 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 *Device* tab and enter the *Sensitivity* and *Rated Capacity* noted previously by tapping on the *Sensitivity* or *Capacity number* in Blue.
4. Tap *Next* and *Save*.
5. Ensure the *Calibration Factor* is set to 1.0.
6. Tap *Next* and *Save*.
7. Select the *Device* tab, ensure the grain cart is empty, tap *Zero Scale* and confirm.
8. Select the *Display* tab and tap *Tare*.
9. Apply a known weight (perhaps your body weight) to one of the cart's 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 Cart device and Libra Harvest app are paired and connected.
2. Ensure the grain cart is empty and on level ground.
3. Select the *Device* tab and tap *Zero Scale*.
4. Select the *Display* tab and fill the grain cart.
5. Tap *Tare* on the *Display* tab and then unload the cart into an empty truck, noting the amount unloaded (record as positive).
6. Weigh the load with a trusted scale.
7. Select the *Device* tab, tap the *blue Calibration number* and enter the weight from the trusted scale as the *Certified Reading*.
8. Enter the noted weight from the app's *Display* as the *Cart Reading*.
9. Tap *Next* to compute a new *Calibration Factor*.
10. Tap *Save*.

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

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SERIAL LINK

Libra Cart weights displayed on your remote scoreboard

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LIBRA™ CART

Getting Started Guide

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



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STEP 1: BATTERY INSTALLATION

1. Remove the lid of the Libra Cart 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 Cart 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 Cart device to the front of the grain cart with its connectors **pointing downward**, preferably protected from direct exposure to the elements. Connect the cart's load cell junction box cable to the device.

If you have a 12-volt vehicle battery power cable, you can connect it to the device's power connector. 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 Harvest."



STEP 4: CREATE/JOIN CLOUD ACCOUNT/REMOTE MODE

When you open the Libra Harvest 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 phone 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 the Libra Cart. Remote displays operate only when the Primary Display in the tractor is connected.

STEP 5: PAIR APP TO DEVICE

Pair directly through the Libra Harvest 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 Cart device and launch the Libra Harvest app.
3. Select the *Settings* tab inside the app. For

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

4. Tap *Add Grain Cart* to add your new Libra Cart device to the app, and wait for the scan to finish.
5. Select your Libra Cart device from the list.
6. Provide a name for the cart, choose the desired weight display format (e.g., 10 lb, 20 lb), and tap *Add+* to finish.
7. Your device will now appear under "grain carts" 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 grain cart. Multiply the *Rated Capacity* by the number of load cells on the grain cart.

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