

acaia
Lunar Consistent and
Precise Espresso Scale



Acaia Lunar Consistent and Precise Espresso Scale User Guide

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Acaia Lunar Consistent and Precise Espresso Scale



Product Specifications

- Precision brewing scale for espresso
- Designed for high precision and consistency
- Compact size for commercial environments
- Customizable parameters for different brewing routines
- Flow-Rate Indicator for monitoring extraction
- Includes Acaia Calibration Weight 100g
- USB Type-C charging
- LED indicators for various functions

Product Usage Instructions

Before Using Your Lunar

1. Remove the scratch protection bag.
2. Place the scale on a steady and level surface.

Applying the Protective Strips

1. The non-slip protective strips keep the Lunar stationary on the drip tray.
2. The friction-reduction protective strips help the Lunar slide easily on the drip tray.
3. Turn the scale over.
4. Clean the area for placing the strips with rubbing alcohol and ensure it's dry and dust-free.
5. Remove the adhesive backing and position the strips along the top and bottom edges of the Lunar, pressing firmly.

Scale Overview

The scale features various functions:

- Power on/off
- Switch between modes

- LED indicators for charging, Bluetooth connection, weight stability, etc.
- Tap, double tap, press and hold actions
- USB Type-C charging port
- Tare/zero function
- Auto-start timer indicators (Flow and Tare)

Flow-Rate Indicator

The LED bar on the display helps visualize the espresso flow rate:

- In Modes 1 to 6, the indicator measures flow rate from 0.1 g/s to 3.4 g/s.
- Bright LEDs indicate high flow rates beyond 5.0 g/s.
- Highest peak flow rate during brewing is displayed with a single bright LED.
- Markings indicate increments of 0.5 g/s, with the highest marking at 4.0 g/s.

FAQ

• How do I charge the Acaia Lunar?

Use the provided USB Type-C charger cable to charge the Lunar. Connect it to the USB Type-C charging port on the scale.

• What do the LED indicators signify?

The LED indicators show various functions such as charging status, Bluetooth connection, weight stability, and data transmitting status.

• How can I monitor my espresso extraction using the Lunar?

Utilize the Flow-Rate Indicator on the top of the display to visualize real-time espresso flow rate during brewing and detect channeling for better extraction quality.

INTRODUCTION

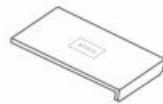
- Congratulations on becoming the owner of the Acaia Lunar!
- The Acaia Lunar is designed for brewing espresso with high precision and consistency. Built with Acaia's proprietary industrial weighing technology, it is fast, responsive, and accurate. Made for commercial environments, the compact scale fits easily into the drip tray of espresso machines.
- With customizable parameters for different brewing routines and the Flow-Rate Indicator to monitor your extraction, the Lunar will help you perfect your espresso shots.
- This quick start guide covers all the basics, from how to set up and use your Lunar to learning more advanced abilities and modes. Start with the manual mode for monitoring the weight and time of your espresso shots, then explore the auto modes to streamline your espresso routine.
- The espresso Flow-rate Indicator gives you visualized real-time feedback, helping to ensure the quality of your espresso extractions.
- Start streamlining your workflow today. Rely on the Acaia Lunar to keep your extractions consistent and precise, letting you focus on the perfect espresso shot.

Inside the Package

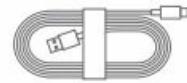
Acaia Lunar



Heat Resistant Pad



USB Type-C
Charger Cable



Acaia Calibration
Weight 100 g



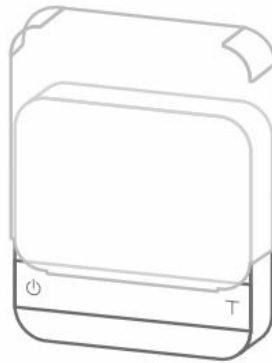
Protective Strips

Non-slip Protective Strip x 2
Friction-reduction Protective Strip x 2

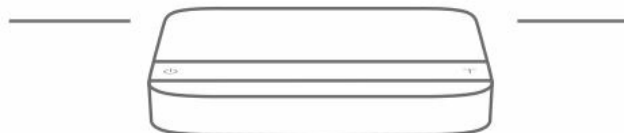


Before Using Your Lunar

- Remove the scratch protection bag



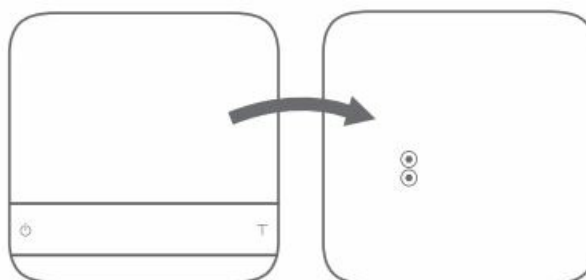
- Place the scale on a steady and level surface



Applying the Protective Strips

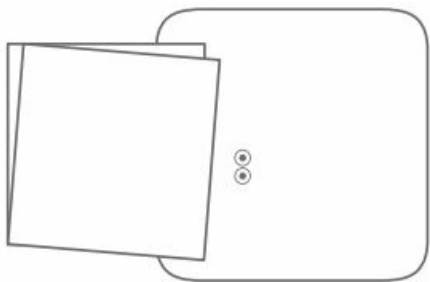
The non-slip protective strips keep the Lunar more stationary on the drip tray. The friction-reduction protective strips keep the Lunar to slide easily on the drip tray.

1. Turn the scale over.

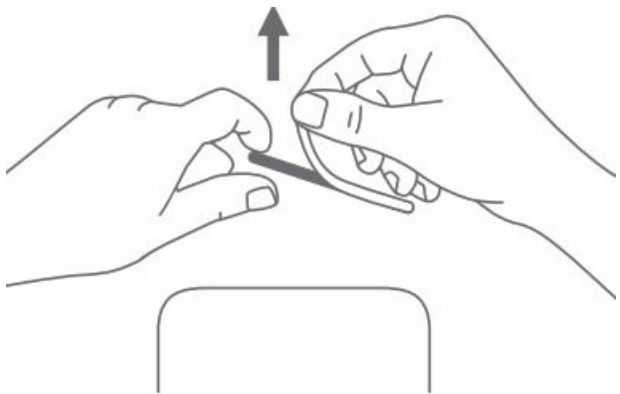


2. Clean the area where you will place the protective strips with rubbing alcohol and make sure the scale is

completely dry and free of dust.



3. Remove the adhesive backing.

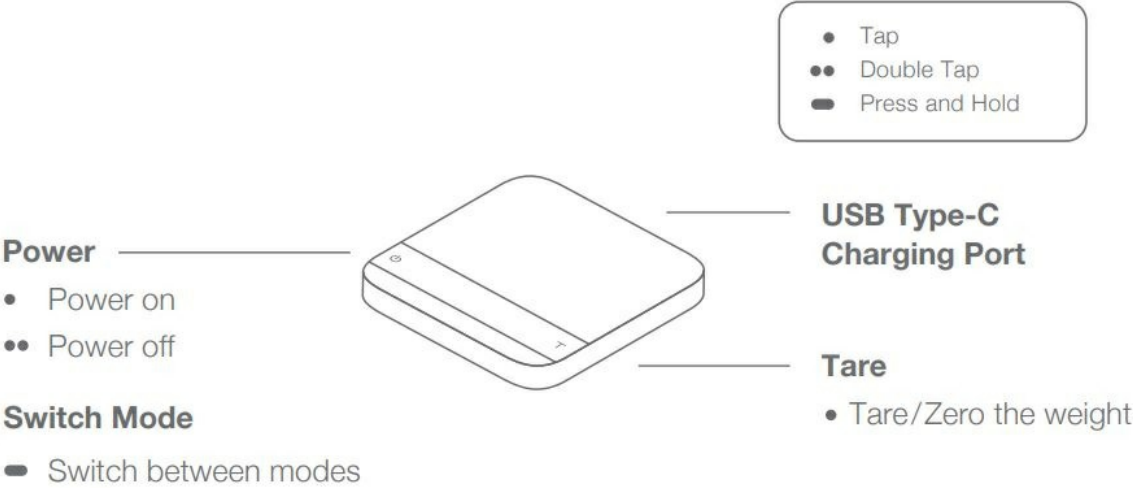


4. Position the protective strips along the top and bottom edges* of the Lunar and press firmly.



* 3 mm from scale edges

Scale Overview



LED Indicators

⚡ Charging/Low Battery Indicator

📶 Bluetooth Connection Indicator

○ Weight Stable Indicator

↔ Weighing in Ounces/Data Transmitting Indicator



● Button Pressed

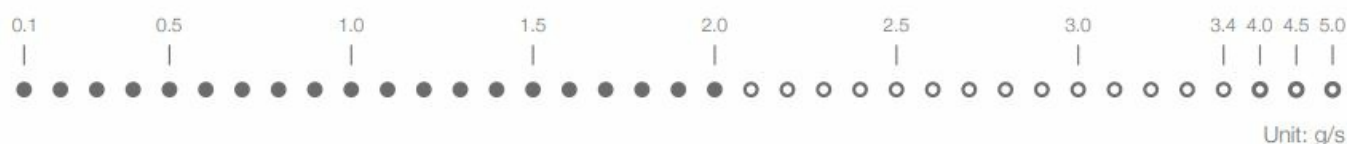
▲ Auto-Start Timer Indicator (Flow)

▲ Auto-Start Timer Indicator (Tare)

■ Auto-Tare Indicator

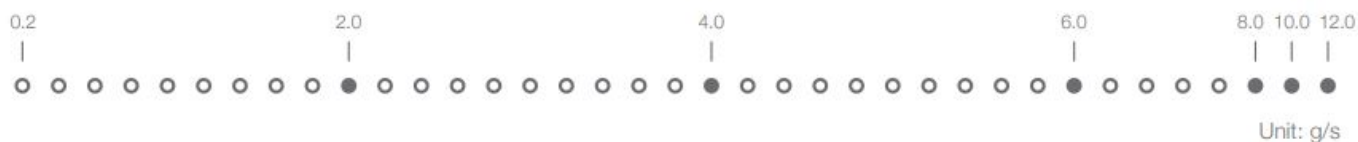
Flow-Rate Indicator

Espresso Flow-Rate



- The Flow-Rate Indicator is an LED bar on the top of the display. It helps you visualize your espresso flow rate in real-time and spot channeling during brewing.
- In Mode 1 to Mode 6, the indicator measures the espresso flow rate with lit LEDs starting from 0.1 g/s on the left to 3.4 g per second on the right. When the flow rate exceeds 5.0 g/s, the last three LEDs light up with enhanced brightness, indicating a high flow rate. During an espresso brew, the Flow-Rate Indicator will display the highest peak flow rate of this brew with a single bright LED.
- Enable markings on the Flow-Rate Indicator for easier reading of the flow-rate value. Each marking indicates an increment of 0.5 g/s for the current flow rate, and the highest marking is 4.0 g/s.

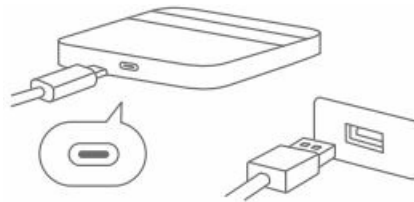
Pour Over Flow-Rate



- In Mode 7 (Pour Over Auto-Start Timer Mode), the Flow-Rate Indicator helps you visualize your pouring speed in real-time and suggests thresholds for ideal flow rates. The indicator measures flow rates with lit LEDs starting from 0.2 g/s on the left to 4.0 g/s on the right. When the flow rate exceeds 12.0 g/s, the last three LEDs light up with enhanced brightness. This indicates a high flow rate.
- Enable markings on the Flow-Rate Indicator for easier reading of the flow-rate value. Each marking indicates an increment of 2.0 g/s for the current flow rate, and the highest marking is 8.0 g/s.
- Note: To enable this function, please see Flow-Rate Indicator in the Configuration section (p.15). Set the Flow-Rate indicator to Grad.

Battery Charging

- You can use the included USB Type-C charger cable to connect the Lunar to a USB port for charging.
- Fully charged and with normal use, the scale can be used continuously for about 30-40 hours.
- The Acaia Lunar is equipped with charging protection to avoid charging under high temperatures. It is normal if the scale does not charge when its surface is still hot from brewing coffee. The battery charging function will be enabled again when the scale has cooled.





Care and Cleaning

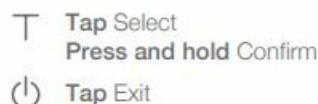
Use a soft cloth with warm water only to clean the product. Do not use detergent or other chemicals for cleaning and soaking as it can damage the anodized coating on the product.

Caution

- Do not charge when the scale is wet.
- Do not place hot objects directly on the weighing pan. Use a heat-resistant pad.
- Any modification made without the consent of the manufacturer may result in damage to scale.
- Avoid using the scale near very strong magnetic fields.

Advanced Settings

- You can also tailor the scale according to your preferences by changing the system settings, such as adjusting the screen brightness and turning the Flow-Rate Indicator on or off. There are also customizable espresso workflow parameters such as the adjustable pre-infusion time-out and auto-start sensitivity settings.
- To access Advanced Settings, begin with the scale powered off. Press and hold  until the LED display shows [SEt]. Release , and tap to proceed through the settings menu. Continue to hold Power after [SEt] shows on the display to view the battery level before entering the settings menu.
- See the next section for brewing modes that can be selected through Advanced Settings.



Brewing Modes at a Glance

• Mode 1 – Weighing Mode

The weighing mode for all weighing purposes. Access the Advanced Settings menu to select gram or ounce as your weighing unit.

• Mode 2 – Dual Display Mode

With a dual display of timer and weight, this mode is made for all your coffee brewing needs. It features manual control for timer and tare functions.

- **Mode 3 – Timer Starts with Flow Mode (●)**

- When the scale detects the flow of espresso, the timer starts. The timer will stop when the flow stops.
- Please note: The flow detection mode is designed to detect the slow trickle of a shot of espresso. The timer may not trigger when attempting to pour from a kettle.

- **Mode 4 – Auto-Tare Timer Starts with Flow Mode (● ■)**

This mode is designed for baristas who would like to measure the time of the shot starting from the first few drops of espresso. When a stable weight is detected, the scale will perform the auto-tare operation. After the scale detects the espresso flow, the timer starts. The timer will stop when the espresso flow stops.

- **Mode 5 – Auto-Tare Auto-Start Timer Mode (▲ ■)**

This mode is for baristas to measure the total time of a shot including the pre-infusion time. After a stable weight such as a cup is placed on the weighing pan, the scale performs auto-tare and starts the timer.

- **Mode 6 – Auto-Tare Mode (■)**

In this mode, the scale will only perform auto-tare without automatically starting the timer. Put the cup on the scale and auto-tare will be performed. Pull the shot of espresso as usual. When the cup is removed from the scale, the display flashes the final beverage weight and also shows the tare weight of the cup.

- **Mode 7 – Pour Over Auto-Start Timer Mode (● ●)**

This model is designed to aid pour-over coffee brewing. The scale detects the start of the flow from a kettle into the vessel and automatically starts the timer. The timer stops when the brewing equipment is removed from the scale. After removing the equipment, the display flashes the final beverage weight.

Mode Operation

- In auto mode, the timer will start when the flow is detected.



- Tap Tare button to Tare Weight.



- The timer will stop when flow is no longer detected.



- Double tap Tare button to Reset Mode.



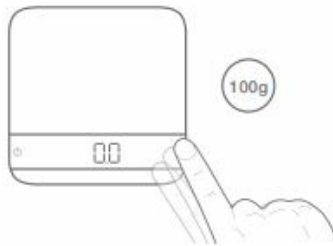
- Press and hold Power button to Switch Mode.



Calibrating Your Scale

The Acaia Lunar is a precision instrument, and regular calibration is recommended with frequent use. To perform a smart calibration, select Weighing Mode, switch the unit to grams, and follow the steps below:

- Rapidly tap **T** until the screen displays **CAL**.



- Place a calibration weight on the center of the scale.



- Calibration complete. Remove the weight.



Note: You may also use 500 g, 1000 g or 2000 g weights. If you use weights other than Acaia Weights, we recommend standard F2 class weights.

Apps

Acaia provides a suite of free apps that are designed for different uses and scenarios. Connect your Lunar with our apps to enhance your brewing experience.



acaia.co/apps

Find Help in Your Language

Find the Lunar User Manual online in English, , , Italiano, Deutsche, Français, and Español or visit our help center at help.acaia.co



acaia.co/manuals/lunar

Need help? Contact us at support@acaia.co

Documents / Resources

GET STARTED

[Acaia Lunar Consistent and Precise Espresso Scale](#) [pdf] User Guide

Lunar Consistent and Precise Espresso Scale, Lunar, Consistent and Precise Espresso Scale, Precise Espresso Scale, Espresso Scale, Scale

References

- [Our Apps – acaia](#)
- [Lunar – acaia](#)
- [Acaia Help Center](#)
- [User Manual](#)

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