UMBRA LUNAR DUO

GET STARED

acaia

Congratulations on becoming the proud owner of the Umbra Lunar Duo.

Designed to bring efficiency and precision to your espresso workflow, the Umbra Lunar Duo features Acaia's proprietary industrial weighing technology for fast, responsive, and highly accurate measurements. Its sleek, display-free design integrates seamlessly into commercial environments, helping you maintain a clean, streamlined setup.

The Umbra Lunar's Magic Relay communicates in real time with other Acaia devices, such as the Pearl and Lunar, sharing displays and delivering synchronized real-time measurements.

This Quick Start Guide walks you through the essential setup and features, from basic operation to advanced integrations. Use the Umbra Lunar Duo as a standalone scale via the Acaia app or connect it with other Acaia devices to unlock more possibilities.

Take your coffee bar to the next level with the Umbra Lunar Duo — built for precision, efficiency, and seamless integration.
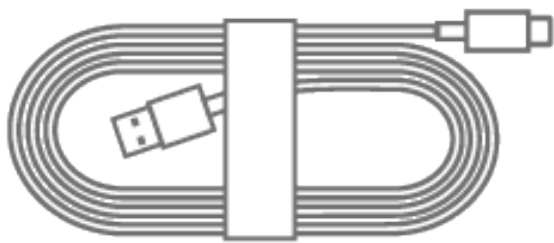
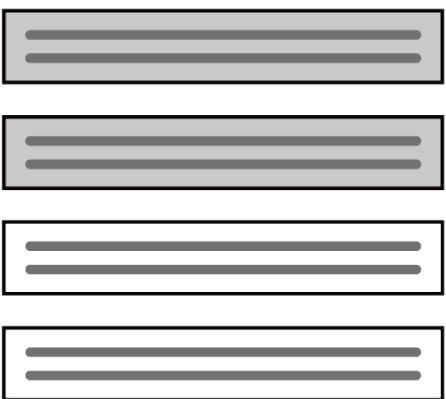# Inside the Package
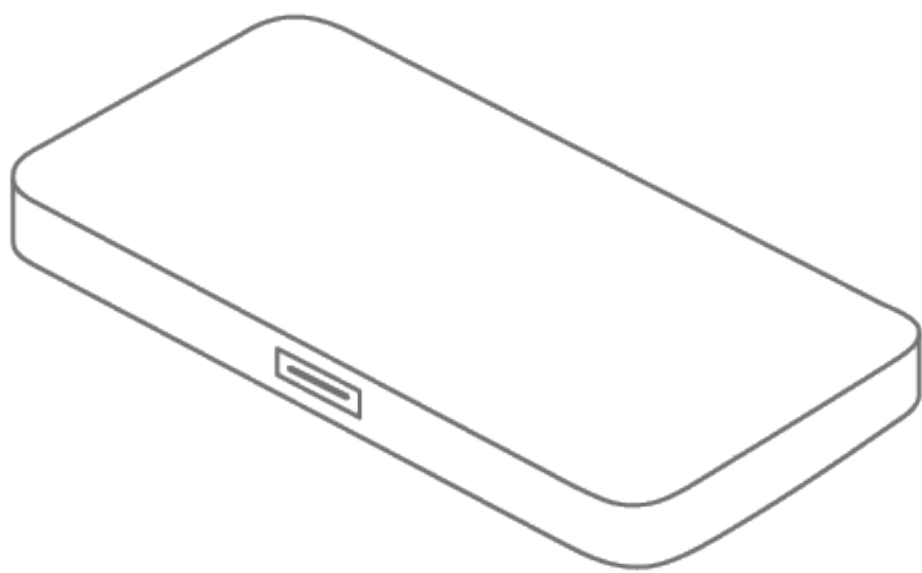
Acaia Umbra Lunar Duo
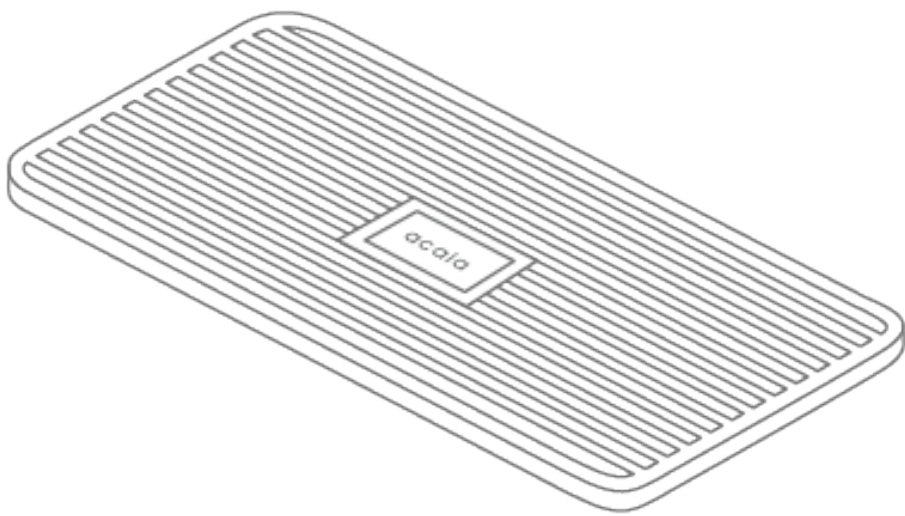
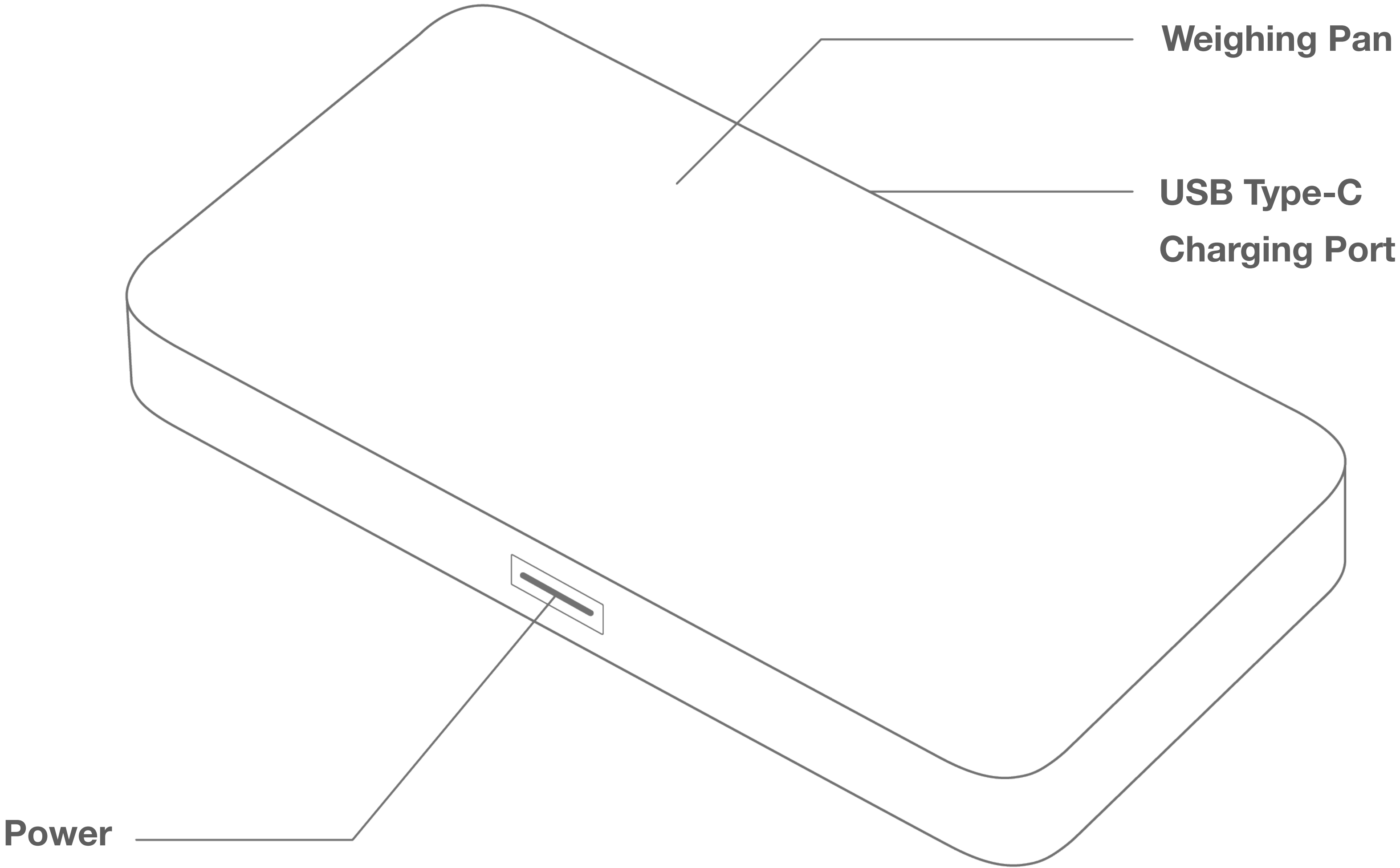**Heat Resistant Pad**

**USB Type-C
Charger Cable**

**Acaia Calibration
Weight 100 g**

Protective Strip

Non-slip Protective Strip x 4
Friction-reduction Protective Strip x 4

Umbra Lunar Duo Overview

Weighing Pan

**USB Type-C
Charging Port**

Power

- ● Power On
- ●● Power Off

Pair / Unpair / Reset / Update

- ▬ Switch Function

Tare

- ● Tare / Zero the Umbra Lunar Duo weight

Action

- ● Tap
- ●● Double Tap
- ▬ Press and Hold

Action Button

Weighing Pan　　　　　　　　　　　　**Button**

Status Indicator
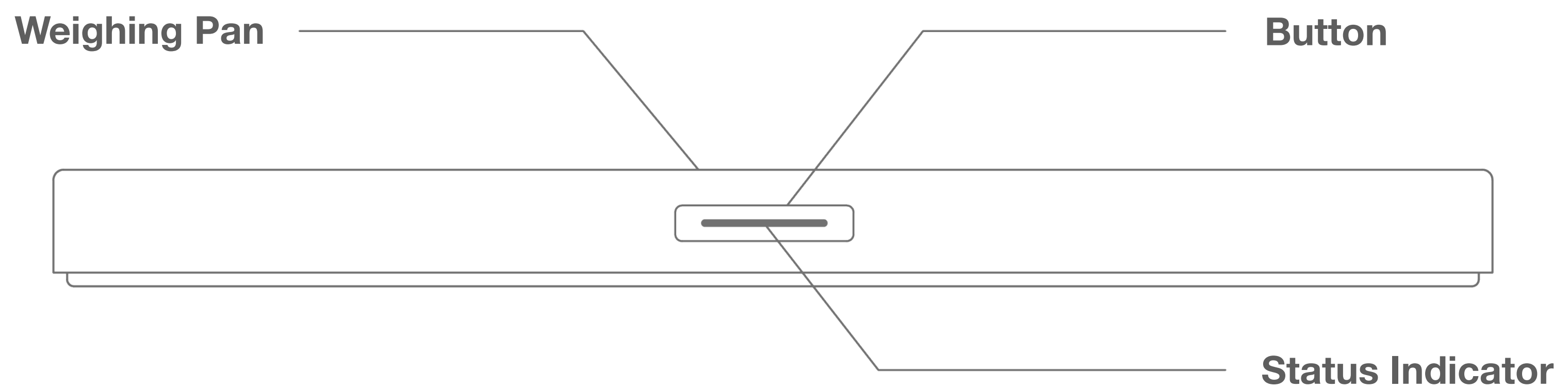
Complete list of functions:

- **Power On / Off**

  Tap to turn on. Double tap to turn off.

- **Reset to Default** ▬▬▬

  Press and hold for 15 seconds while the Umbra Lunar Duo is off, and release when the LED turns Green.

- **Firmware Update** ▬▬▬

  Press and hold for 30 seconds while the Umbra Lunar Duo is off, and release when the LED turns from Green to Red.

- **Tare**

  Tap the Action Button.

- **Pair**

  Press and hold for 10 seconds until the LED starts blinking Magenta.

- **Unpair**

  Press and hold for 10 seconds until the LED changes from blinking Blue to blinking Magenta.

Action Button Indicators

Magenta   Unpaired / Pairing in progress / Sleep Mode

Blue   Paired but disconnected / Sleep Mode

White   Pairing successful / Weighing on the Umbra Lunar Duo

Green   Weighing on the paired device with Battery level around 70-100% /
Charging Status: battery level is above 90% /
Reset to factory default

Orange   Weighing on the paired device with battery level around 40–70% /
Charging Status: battery level is between 60% and 90%

Yellow   Weighing on the paired device with battery level around 30% /
Charging Status: battery level is below 60%

Cyan   Calibration Mode

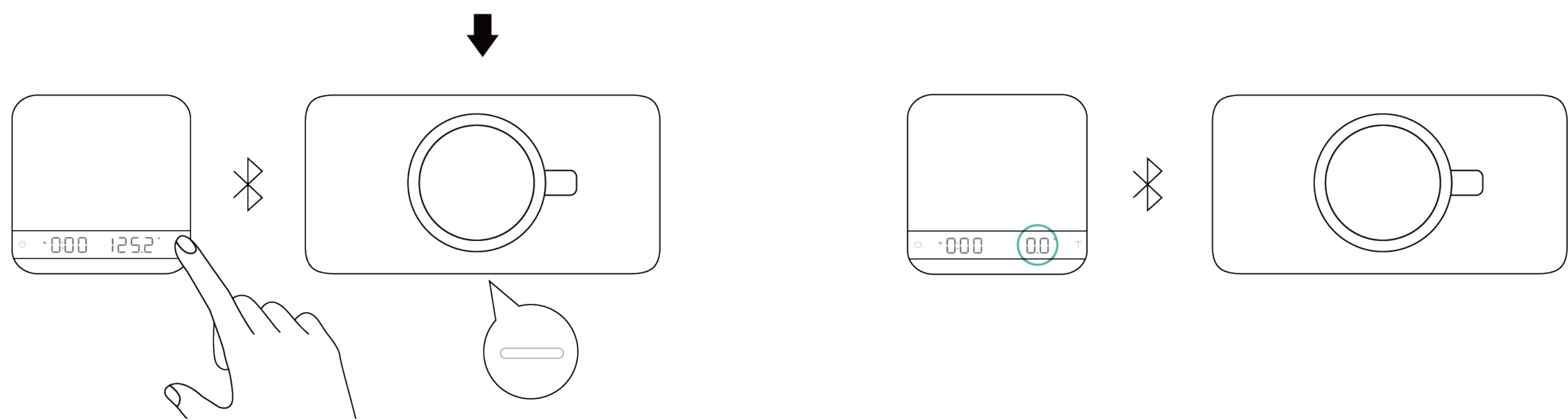**Red**   Warning / Firmware Update Mode

Using Your Umbra Lunar Duo

Power On
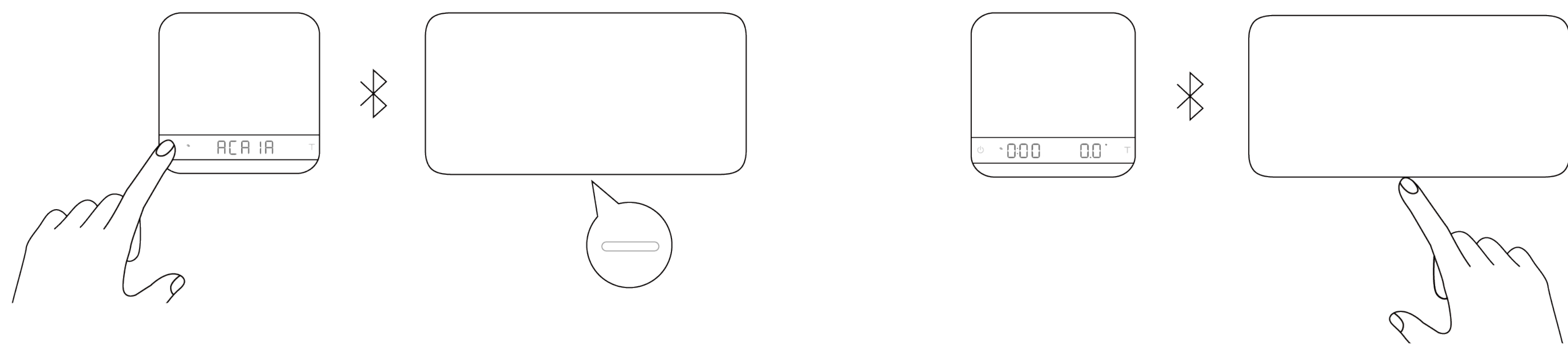
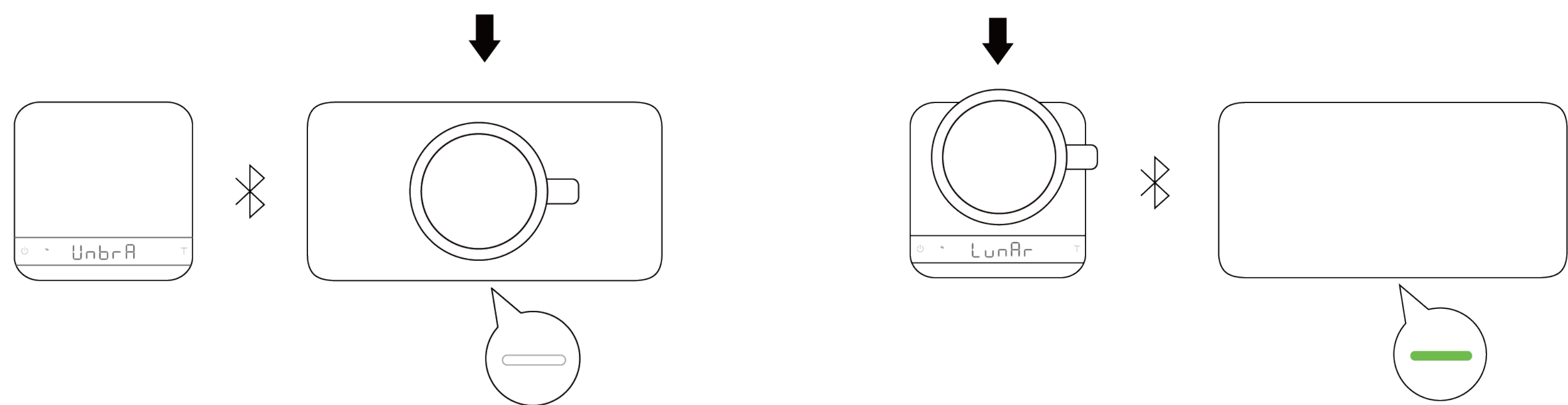Turn on the paired device, it will wake the Umbra Lunar Duo up automatically if it's in Sleep Mode. Turn on the Umbra Lunar Duo, it will automatically connect with the paired device.

Control

The control is now shared with the paired device. Tare, Start, Stop, and Modes Change, etc.

Tap To Switch

The Magic Relay allows you to tap to switch between the Umbra Lunar Duo and the paired device.

Umbra Lunar Duo Modes

To operate the Umbra Lunar Duo, press and hold the Power Button on your paired device to switch between:

Weight Only Mode

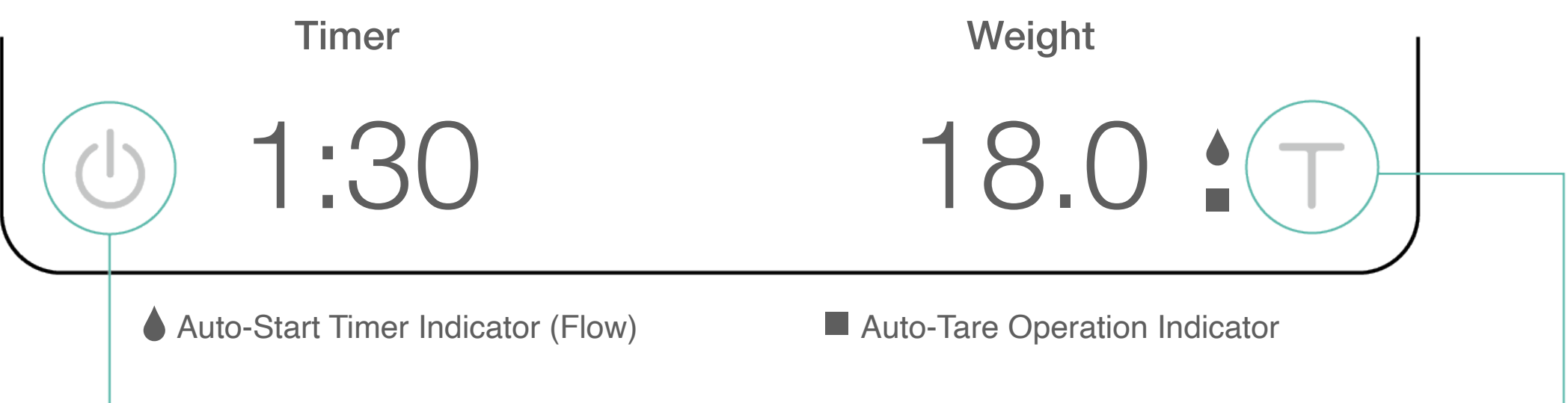Umbra Lunar Duo Weight   Device Weight

⏻   18.0   20.0   Ⓣ

●   Tare the Umbra Lunar Duo

●   Tare the device / Umbra Lunar Duo
━   Toggle between Single Weight and Dual Weight Display

Timer and Weight Mode

Timer   Weight

⏻   0:00   18.0   Ⓣ

●   Start and stop the timer

●   Tare the device / Umbra Lunar Duo
●●   Reset the timer and the weight

Auto Mode With Flow Detection

Timer   Weight

⏻   1:30   18.0 💧◾ Ⓣ

💧 Auto-Start Timer Indicator (Flow)   ◾ Auto-Tare Operation Indicator

●   Start and stop the timer

●   Tare the device / Umbra Lunar Duo
●●   Reset the timer and the weight
━   Toggle between 💧 and 💧◾ mode
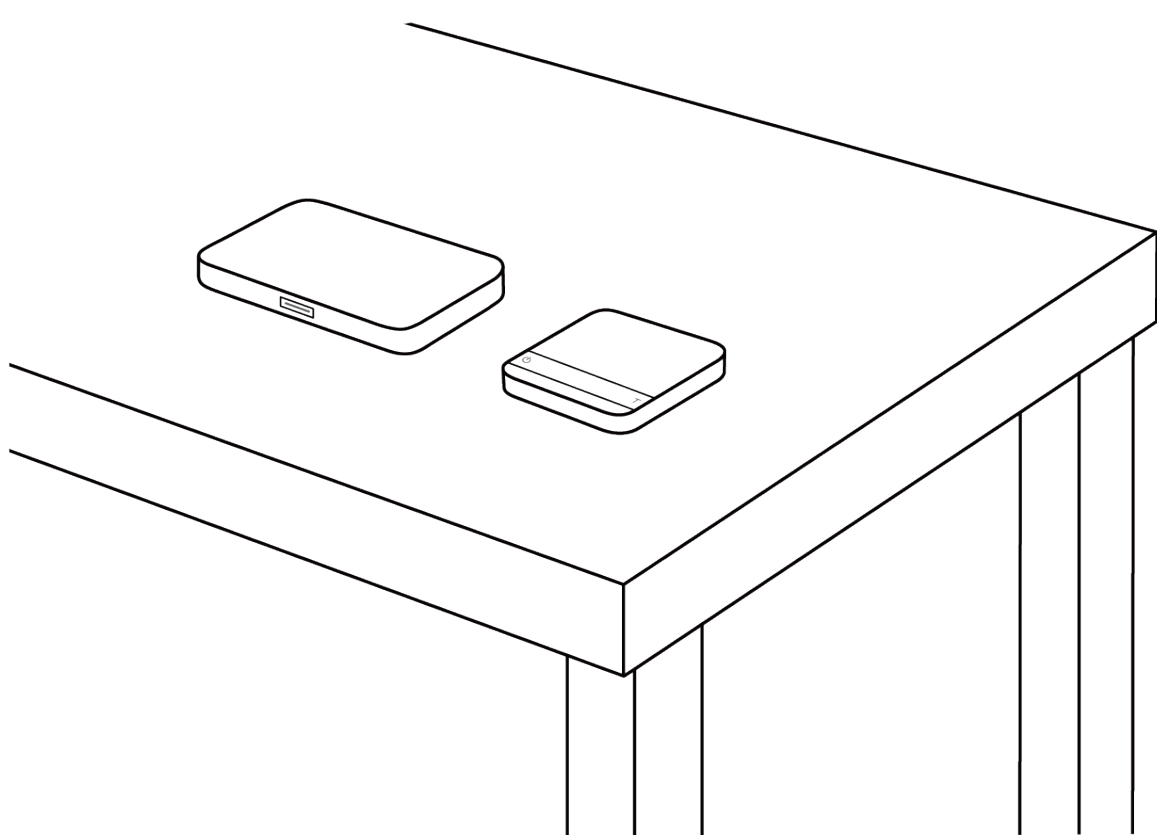
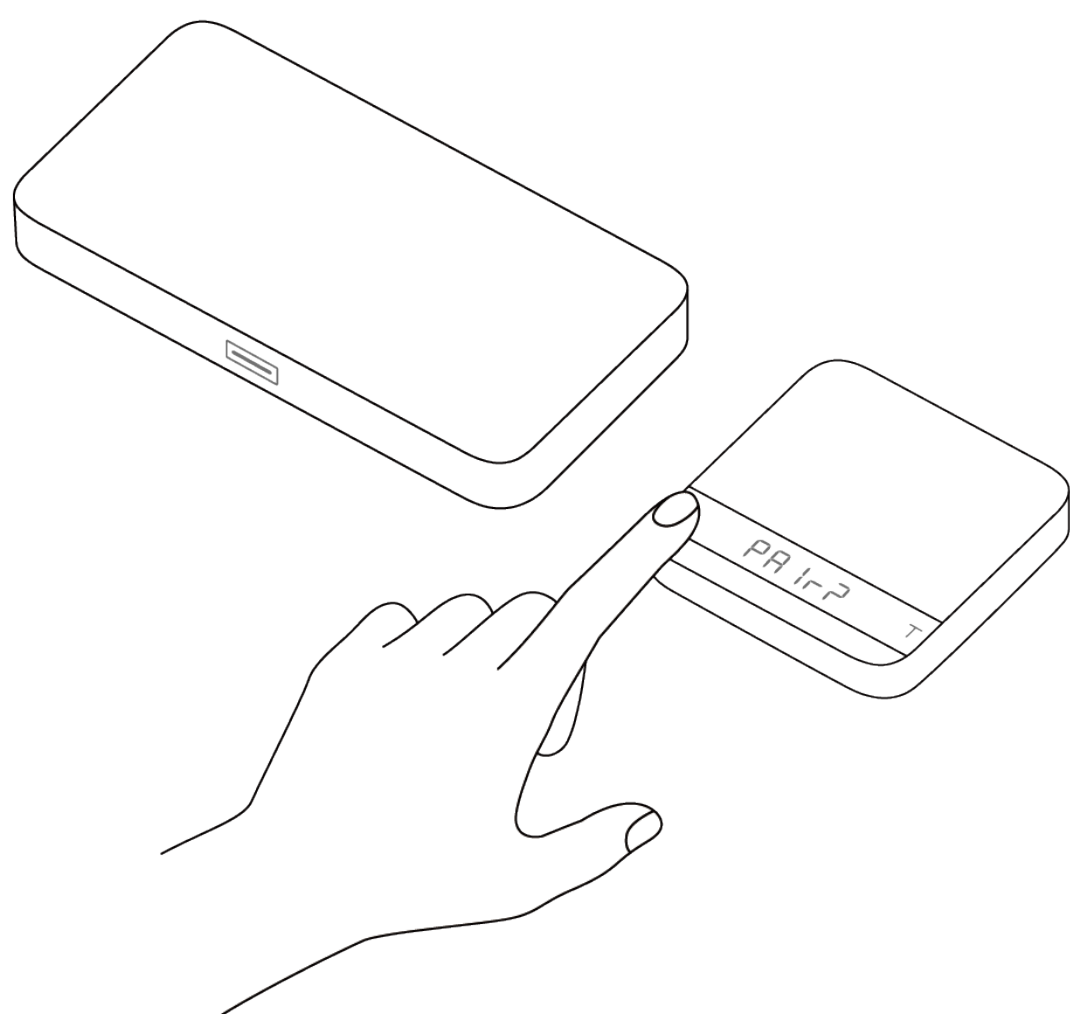●   Tare the Umbra Lunar Duo
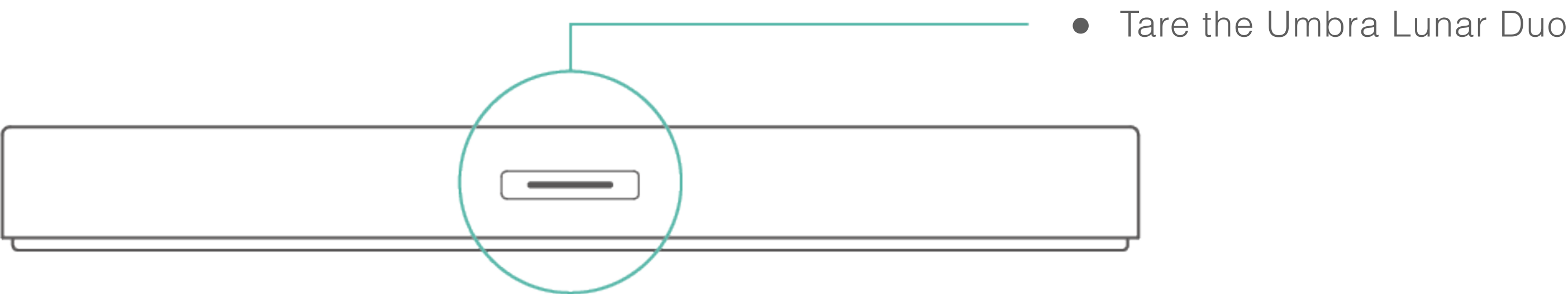
Connecting Your Umbra Lunar Duo

**Pairing with Acaia devices for the First Time**

Make sure both the Umbra Lunar Duo and the device you wish to pair are updated to the latest firmware via Acaia Updater App.

Place the Umbra Lunar Duo and other Acaia devices on a stable, vibration-free, and preferably level surface.

With the device powered off, press and hold the Power Button for 10 seconds until the LED displays **'PAIr?'**.
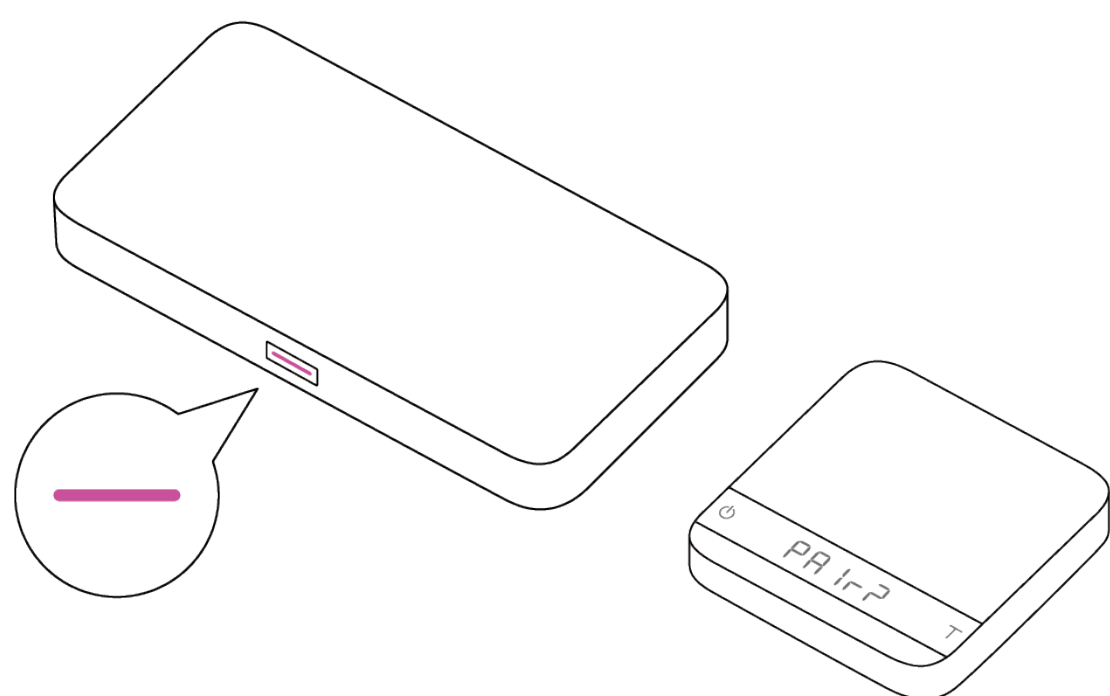
Turn on the Umbra Lunar Duo and the button should display solid Magenta. Press and hold the Action Button for about 10 seconds, and release the button when it turns to blinking Magenta.
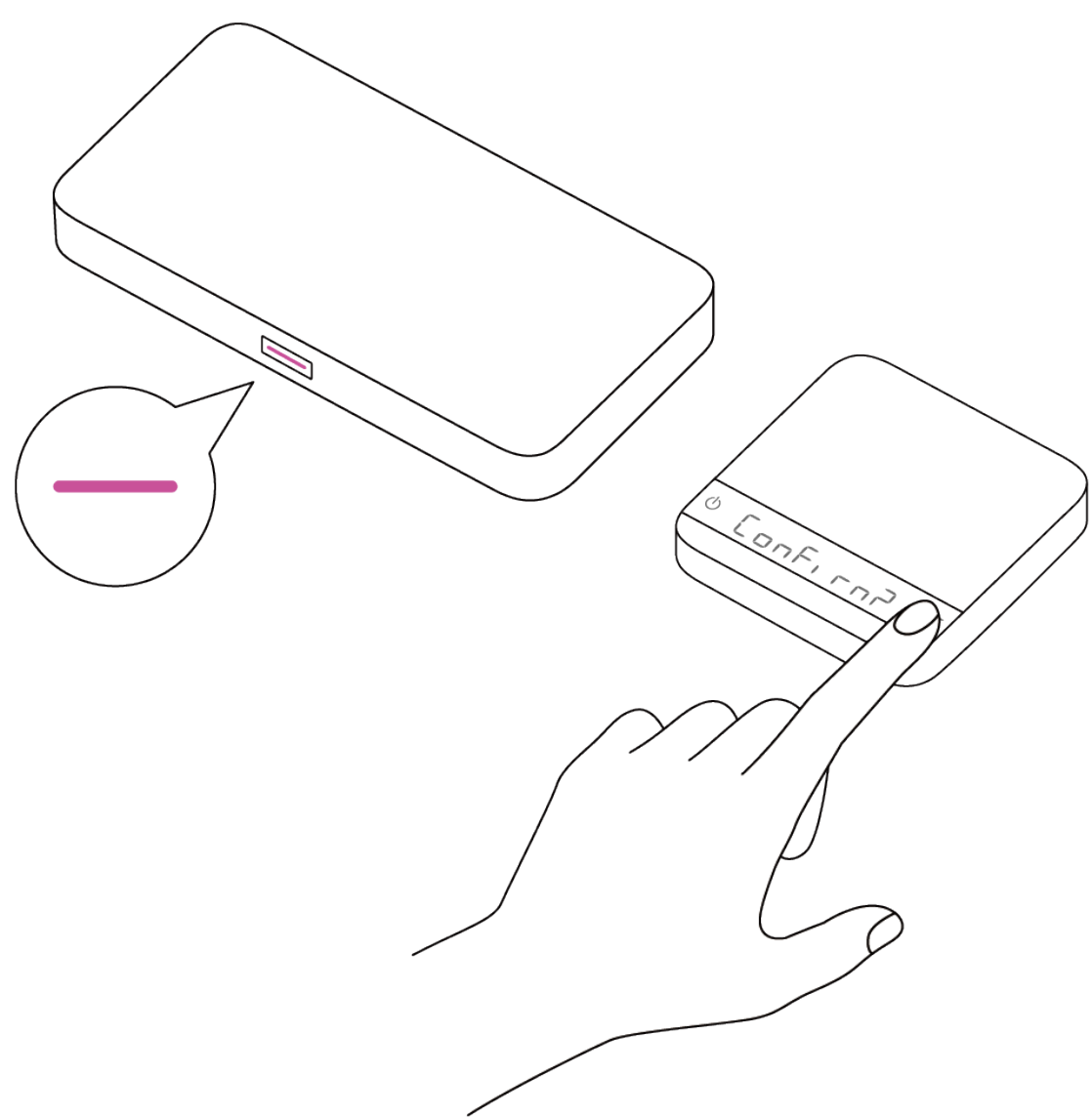
When the device displays **'ConFirn?'**, tap the Tare Button on the device to confirm pairing.
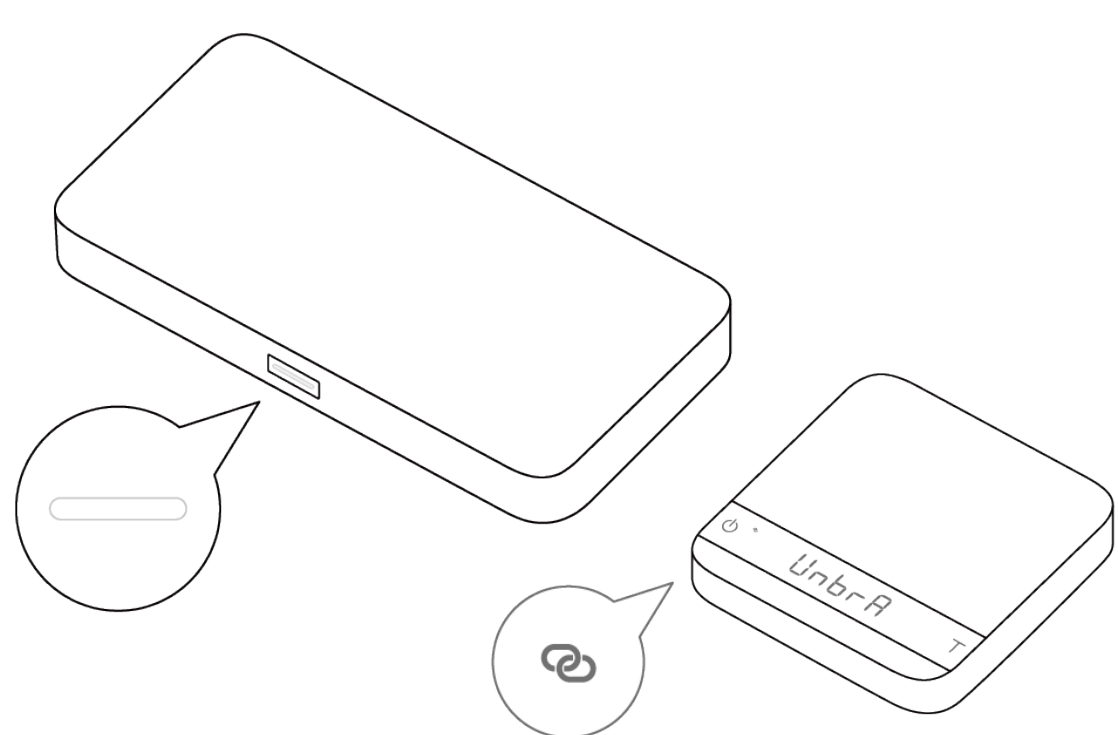
When the Umbra Lunar Duo turns solid White and the Bluetooth Connection Indicator remains lit on the paired device, the pairing is complete.
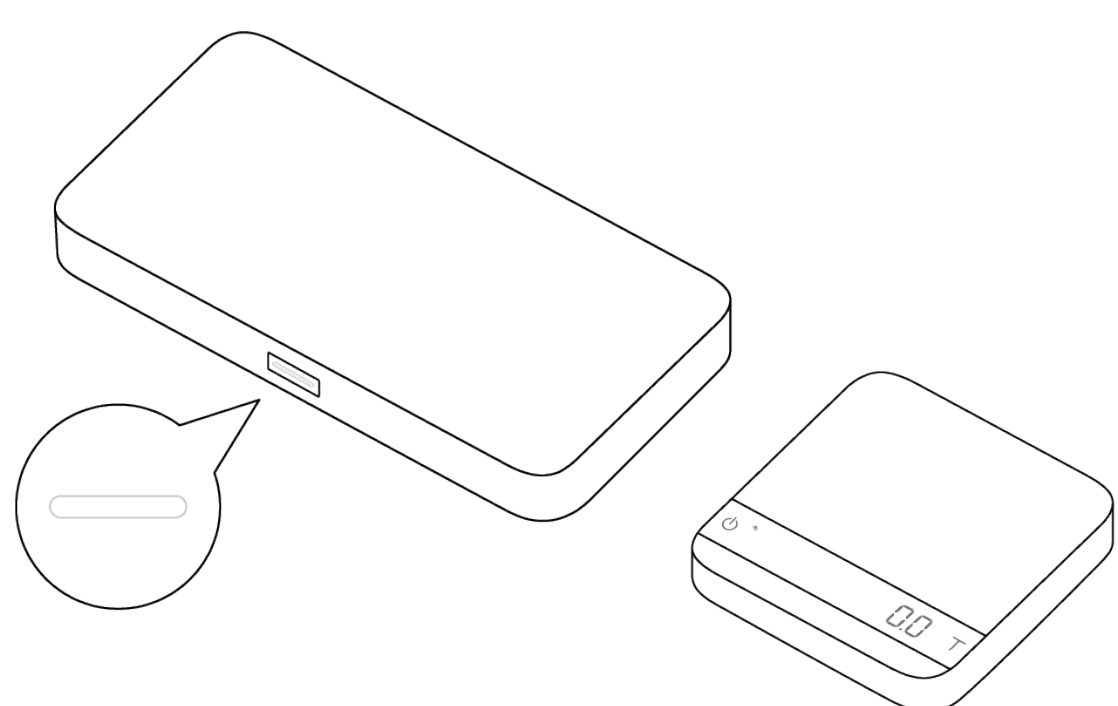
You will only need to pair the Umbra Lunar Duo once. The Umbra Lunar Duo will automatically connect to the paired device each time it is powered on.

Note: If the Umbra Lunar Duo is disconnected with the paired device, the Umbra Lunar Duo turns blinking Blue.

Advanced Control with the Brewmaster App

The updated Brewmaster App provides enhanced control for the Umbra Lunar Duo. You can connect the app to the Umbra Lunar Duo to use it as an extended display and configure basic settings.

Scan the QR Code or visit acaia.co/apps.
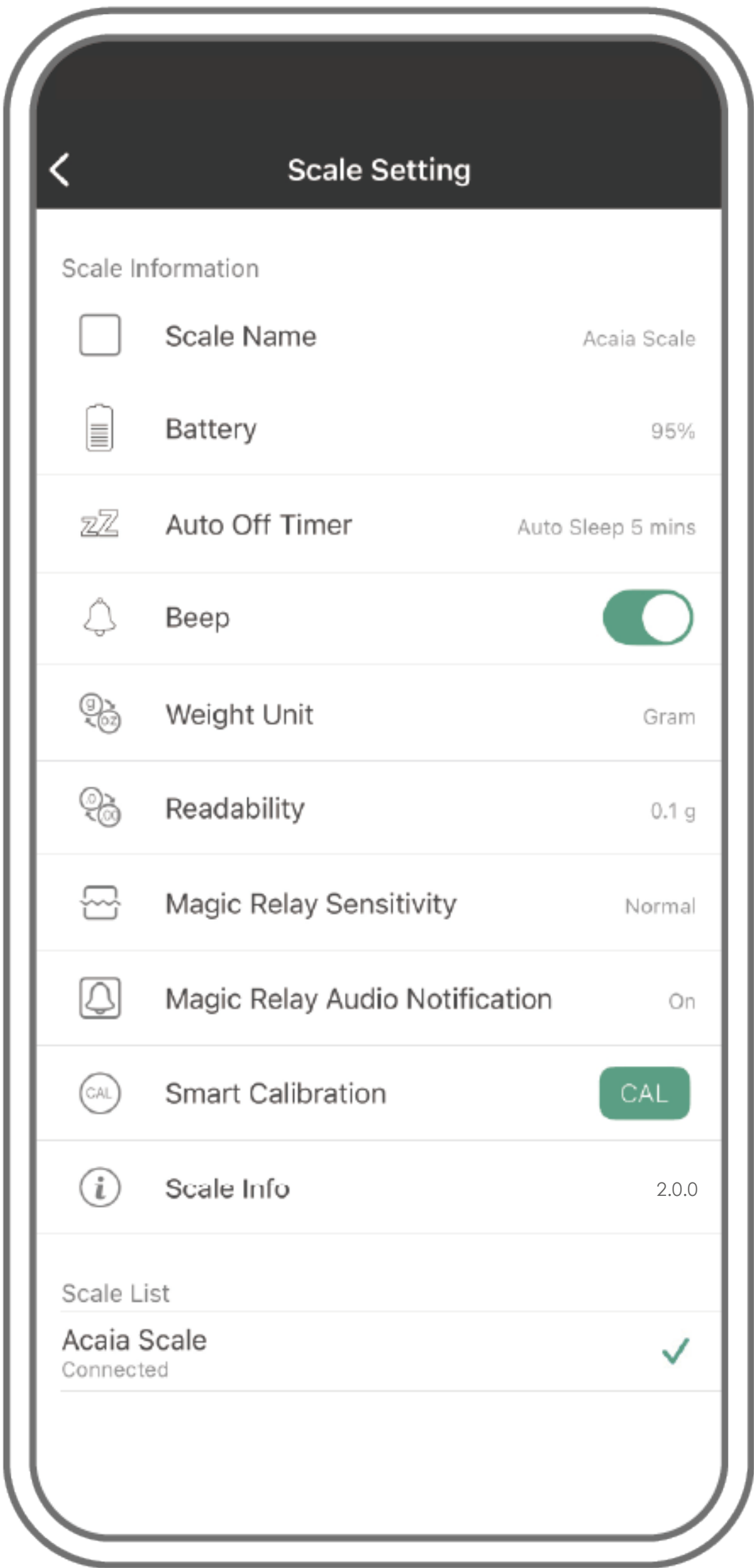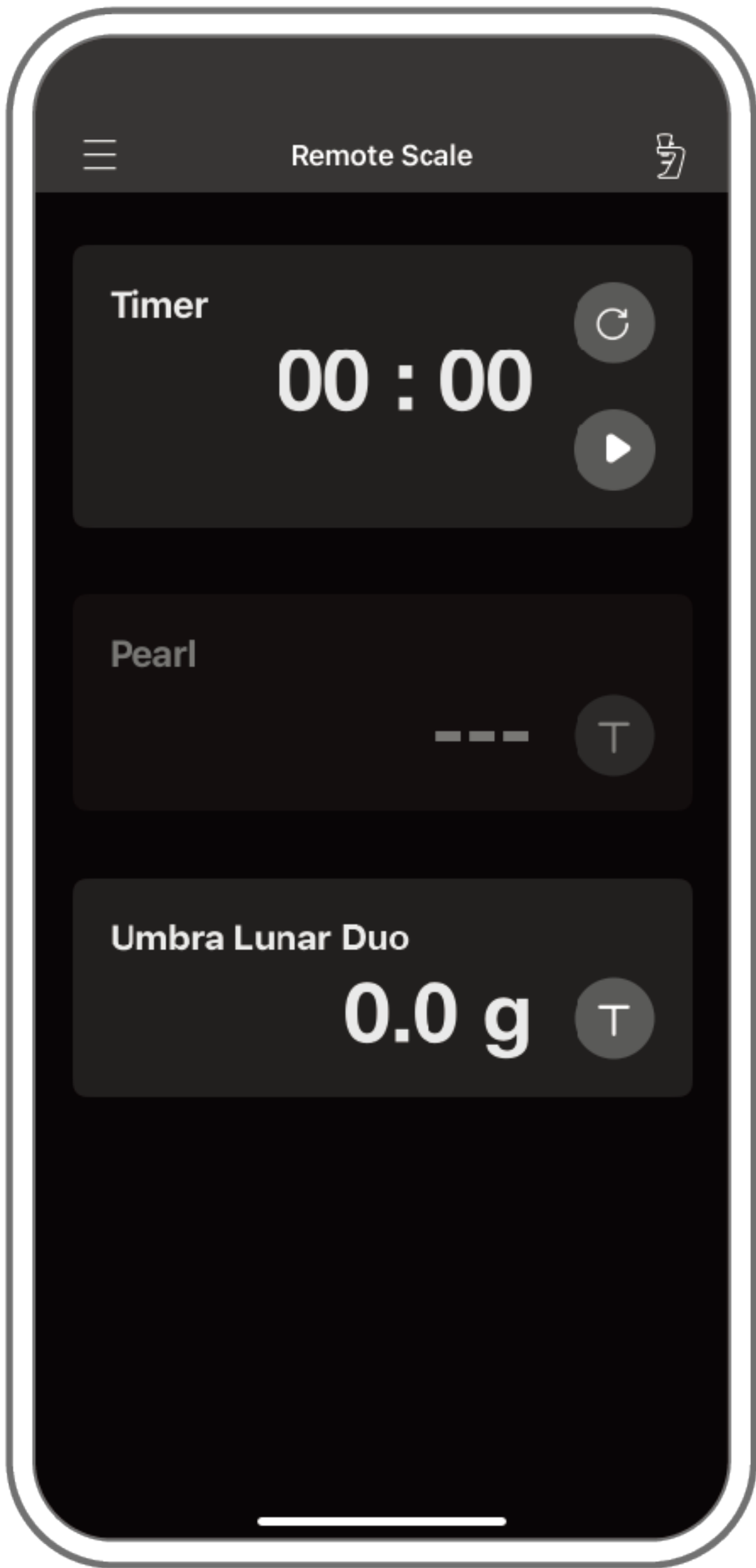
Note: Please refer to page 18 of the Umbra Lunar Duo Manual for further connection information.

Compatible Acaia Devices

Umbra Lunar Duo is compatible with the following Acaia devices. Additional device support will be available soon. Please update to the latest firmware for full compatibility.

Lunar

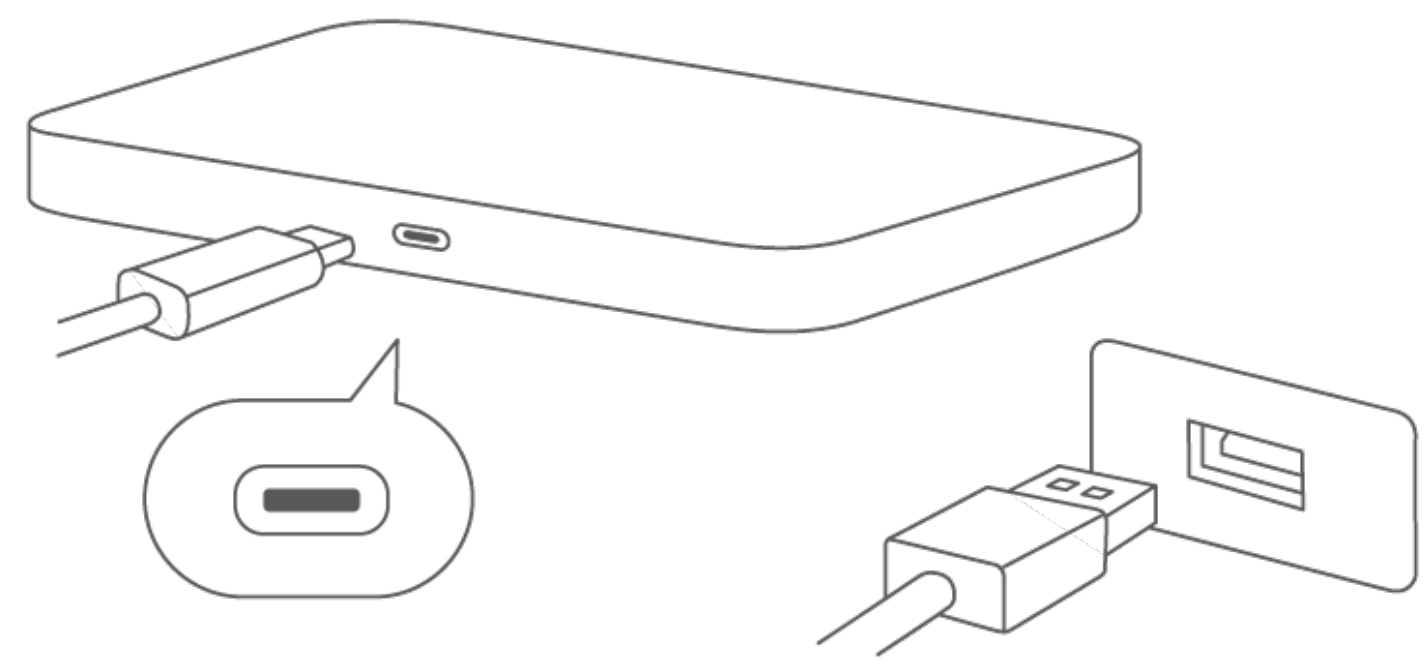AL008 / AL009 / AL010 / AL012 / AL013

Pearl

AP007 / AP008 / AP009

Pearl S

PS003 / PS004

Note: Please refer to page 13 of the Umbra Lunar Duo Manual for further information.

Battery Charging

You can charge the battery by plugging the USB Type-C cable into any of the power supplies listed below:

- A computer
- A USB wall-charger with an output of 5 volts and 1 amp
- A USB-C PD charger supporting 5 volts
- A DC car-charger with an output of 5 volts and 1 amp

A fully charged battery can work continuously for about 40 - 48 hours in Standard Mode. It takes about 1 - 2 hours to fully charge. To maintain optimal battery health, avoid waiting until the battery is critically low before charging.

Charging Status

———	**Green**	Better Level is around 90–100%
———	**Orange**	Better Level is around 60–90%
———	**Yellow**	Better Level is below 60%

Applying the Protective Strips

The non-slip protective strips keep the Umbra Lunar Duo more stationary on the drip tray. The friction-reduction protective strips keep the Umbra Lunar Duo from sliding easily on the drip tray.

1 Turn the scale over.
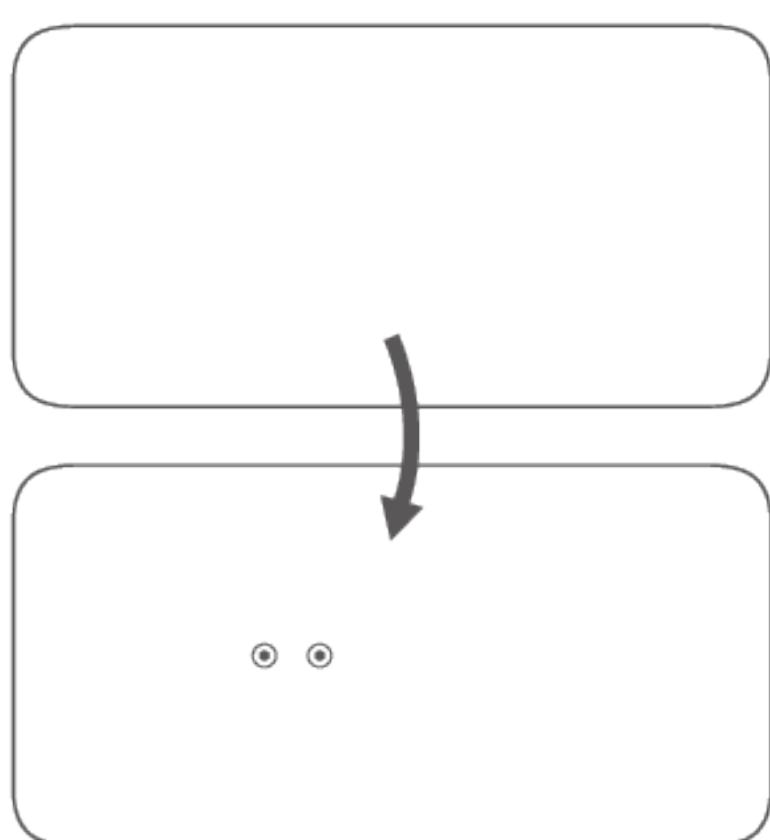
2 Clean the area where you will place the protective strips with rubbing alcohol. Make sure the scale is completely dry and free of dust.
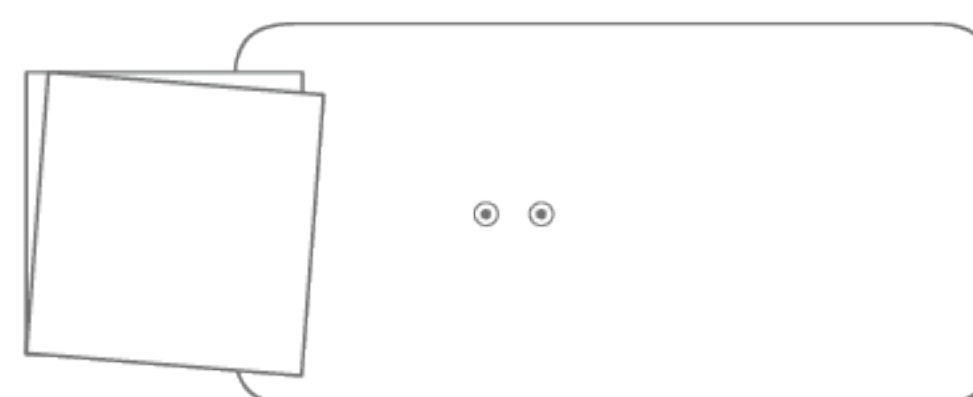
3 Remove the protective strips adhesive backing.

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

* 3 mm from scale edges

Smart Calibration
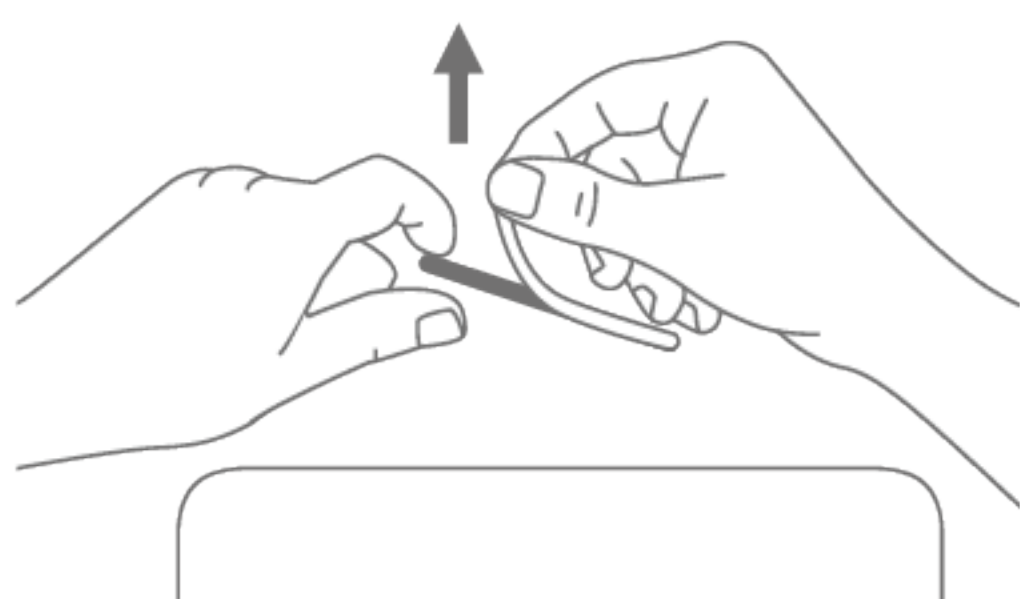
The Smart Calibration must be performed using the Brewmaster App. Follow the steps below to calibrate your Umbra Lunar Duo. Please refer to page 18 of the Umbra Lunar Duo Manual.

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 the scale.
- Avoid using the scale near very strong magnetic fields.

Unpairing the Umbra Lunar Duo

To pair the Umbra Lunar Duo with another device, unpair it first. Press and hold the Action Button for about 10 seconds while the Umbra Lunar Duo is on. Release the button when the LED changes from blinking Blue ▬▬ to blinking Magenta ▬▬ .

Reset to Factory Default

To reset the Umbra Lunar Duo to factory default, press and hold the Action Button in the front while the Umbra Lunar Duo is off. Hold for about 15 seconds and release the Action Button when the button turns Green ▬▬ . Once released, all settings of the Umbra Lunar Duo will be reset to factory default, except for the pairing.

Enter the Umbra Lunar Duo Firmware Update Mode

To enter the Umbra Lunar Duo Firmware Update Mode, please disconnect the Umbra Lunar Duo with the paired devices and apps first. Press and hold the Action Button while the Umbra Lunar Duo is off. Hold for about 30 seconds and release the Action Button when it turns from Green ▬▬ to Red ▬▬ . Once released, the Umbra Lunar Duo will enter the Firmware Update Mode.

Note: If Umbra Lunar Duo turns Magenta after the Green, please fully charge the Umbra Lunar Duo before proceeding with the update.

2-Year Limited Warranty

Acaia products purchased in the US have a limited 2-year warranty.
This warranty covers all defects in materials and workmanship (parts and labor). It includes free ground transportation to and from our US repair facility. It does not apply to damage that results from improper use, lack of cleaning, abuse, or normal wear and tear. Purchases from unauthorized dealers will not be covered by warranty.

E-mail us at support@acaia.co if you need any assistance. Acaia will contact you to assess the issue and offer the best route for repair.

Register online at acaia.co/product-registration

Acaia products purchased in the US but used in a different country:
The customer must contact the original vendor for repairs or services when necessary. The customer is responsible for any fees associated with parts or product replacement, such as international freight charges and duties. Outside of warranty coverage, the customer is also responsible for labor fees.

Acaia products purchased from international resellers outside the US:
Warranty and after-sales support will be at the discretion of the international reseller.

Acaia products purchased from a reseller not in the country of residence:
The customer is responsible for any fees associated with shipping and/or repair services, such as international freight charges and duties for product/part replacement.

Acaia Corporation, USA, guarantees the high-quality workmanship of Acaia trademarked products.

Find Help in Your Language

Find the Umbra Lunar Duo User Manual online in English, 繁體中文, 简体中文, 日本語, Italiano, Deutsch, Français, and Español or visit our help center at **help.acaia.co**

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