

acaia



**Umbra**  
**User Manual**

AUL001

FW 1.0.7

# Contents

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<b>4</b>	<b>In the Box</b>
4	Introduction
4	Umbra Overview
5	Action Button Indicators
<b>6</b>	<b>Getting Started</b>
6	Placement
6	Power On / Off
6	Connect with the App
6	Pair with the Acaia Devices
<b>7</b>	<b>Magic Relay Switching</b>
7	Pairing with Acaia Devices for the First Time
<b>9</b>	<b>Using Your Umbra</b>
9	Power On
9	Control
9	Tap to Switch
10	Weighing on the Umbra
11	Weighing on the Paired Device
<b>12</b>	<b>Toggling Display in Different Modes</b>
12	Weight Only Mode
12	Auto Mode with Flow Detection
<b>13</b>	<b>Supported Acaia Devices and Modes</b>
<b>14</b>	<b>Mode Introduction</b>
14	Operating Mode 1 – Weight Only Mode
15	Operating Mode 2 – Timer and Weight Mode
16	Operating Mode 3 – Auto Mode with Flow Detection
<b>18</b>	<b>Advanced Control with Brewmaster App</b>
18	Connected with the Umbra
19	Settings Menu
<b>20</b>	<b>Product Care Information</b>
20	Charging Battery
20	Charging Status
21	Smart Calibration
22	Care and Cleaning

**23**

## **Appendix**

23

Firmware Update

23

Unpairing the Umbra

23

Reset to Factory Default

23

Error Codes

23

Troubleshooting

**24**

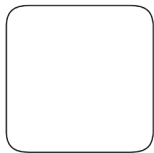
## **Specifications**

# In the Box

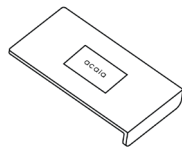
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## Introduction

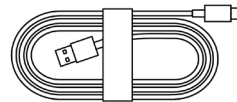
Thank you for choosing our scale. The Umbra is designed and manufactured to meet the most rigorous industrial weighing standards to give you the most accurate and precise coffee brewing experience. Start by checking your Umbra box to find the following items.



**Acaia Umbra**



**Heat  
Resistant Pad**



**USB Type-C  
Charger Cable**

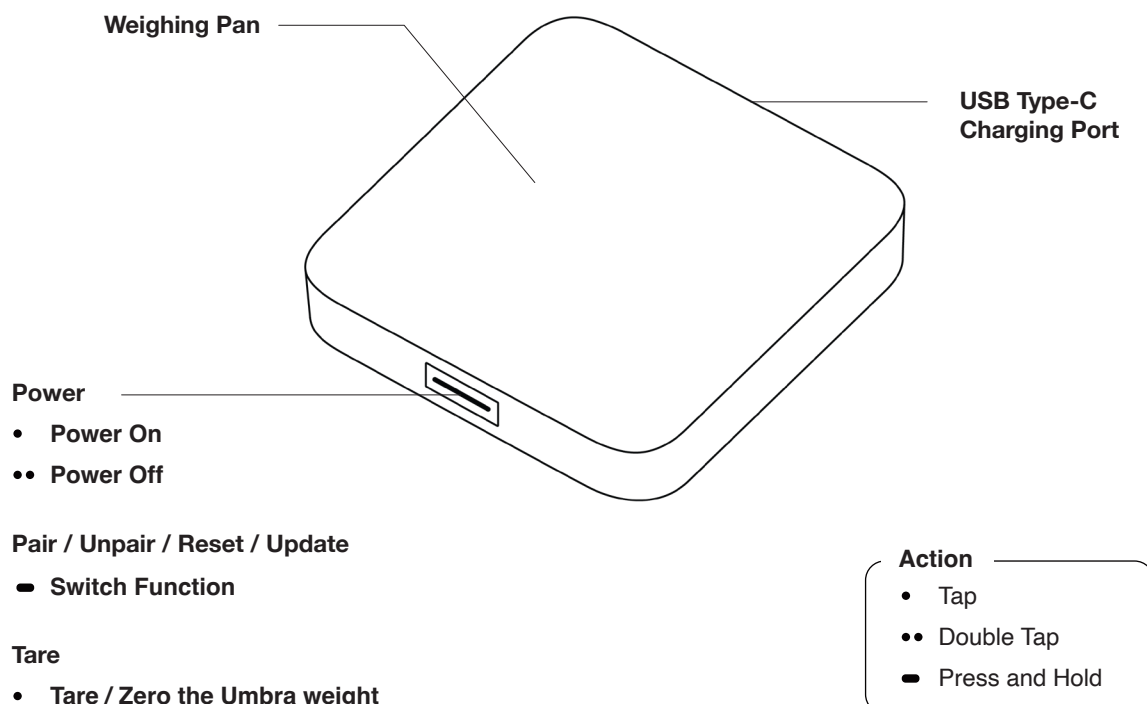


**Acaia Calibration  
Weight 100 g**

Next, follow the instructions in Getting Started to begin using your scale. To take full advantage of the Umbra's many features, carefully read through the manual, which contains step-by-step procedures, examples, and other information.

**Warning:** Incorrect handling of this product may result in personal injury or physical damage.

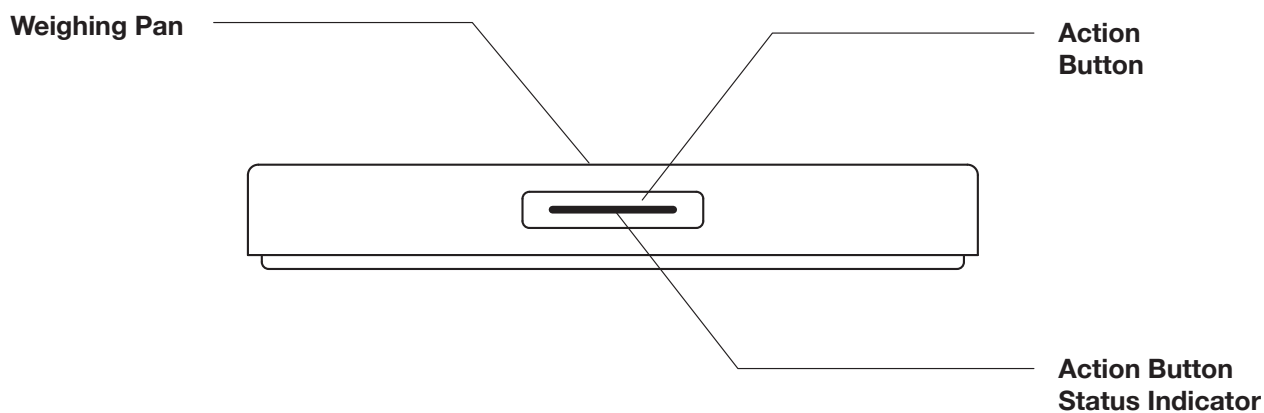
## Umbra Overview










### Note:

For the best performance, place the weight in the center of the weighing pan.

## Action Button Indicators

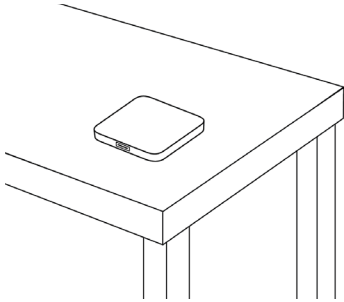


<b>Magenta</b> 	<ul style="list-style-type: none"> <li>• Unpaired</li> <li>• Pairing in progress</li> </ul>
<b>Blue</b> 	<ul style="list-style-type: none"> <li>• Paired but disconnected</li> <li>• Sleep Mode</li> </ul>
<b>White</b> 	<ul style="list-style-type: none"> <li>• Pairing successful</li> <li>• Weighing on the Umbra</li> </ul>
<b>Green</b> 	<ul style="list-style-type: none"> <li>• Weighing on the paired device with battery level is above 30%</li> <li>• Charging Status: battery fully charged</li> <li>• Reset to factory default</li> </ul>
<b>Yellow</b> 	<ul style="list-style-type: none"> <li>• Weighing on the paired device with battery level is below 30%</li> <li>• Charging Status: charging in progress</li> <li>• Blinks when battery level is below 15%, then powers off</li> </ul>
<b>Cyan</b> 	<ul style="list-style-type: none"> <li>• Calibration Mode</li> </ul>
<b>Red</b> 	<ul style="list-style-type: none"> <li>• Warning</li> <li>• Firmware Update Mode</li> </ul>

# Getting Started

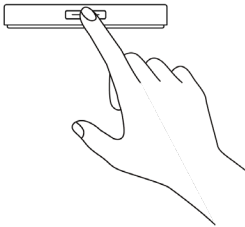
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## Placement



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

## Power On / Off



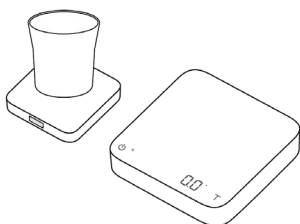
[Tap] Action Button to turn on the scale.  
[Double tap] Action Button to turn off the scale.

## Connect with the App



Download the Brewmaster App to connect, configure, and use the Umbra.

## Pair with the Acaia Devices



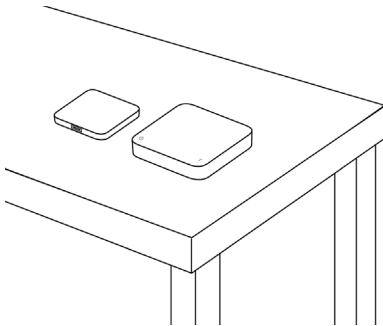
Connect with Acaia devices to view the Umbra's real-time status.

# Magic Relay Switching

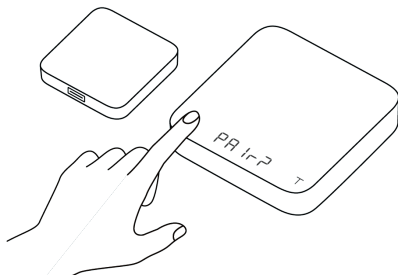
## Pairing with Acaia Devices for the First Time



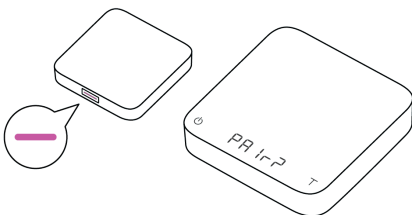
- 1 Make sure both the Umbra and the device you wish to pair are updated to the latest firmware via Acaia Updater App.



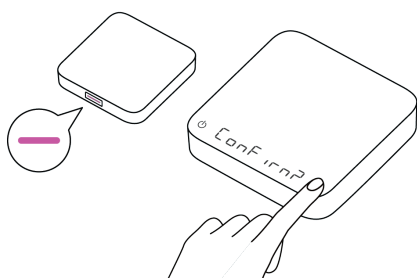
- 2 Place the Umbra and other Acaia devices on a stable, vibration-free, and preferably level surface.



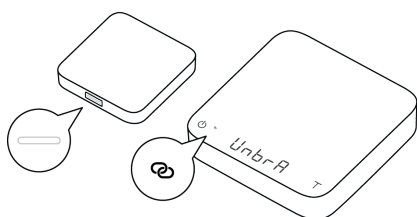
- 3 With the device powered off, **press and hold** the Power Button for **10 seconds** until the LED displays 'PAIR?'.



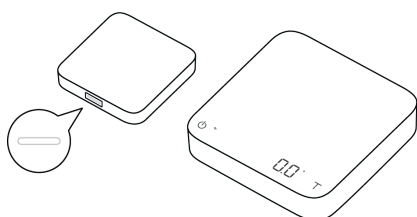
- 4 Turn on the Umbra and the button should display solid Magenta. **Press and hold** the Action Button for **about 10 seconds**, and release the button when it turns to blinking Magenta.



- 5** When the device displays **'ConFirm?'**, tap the Tare Button on the device to confirm pairing.



- 6** When the Umbra turns solid White and the Bluetooth Connection Indicator remains lit on the paired device, the pairing is complete.



- 7** You will only need to pair the Umbra once. The Umbra will automatically connect to the paired device each time it is powered on.

\*If the Umbra is disconnected from the paired device, it will blink blue.

**Note:**

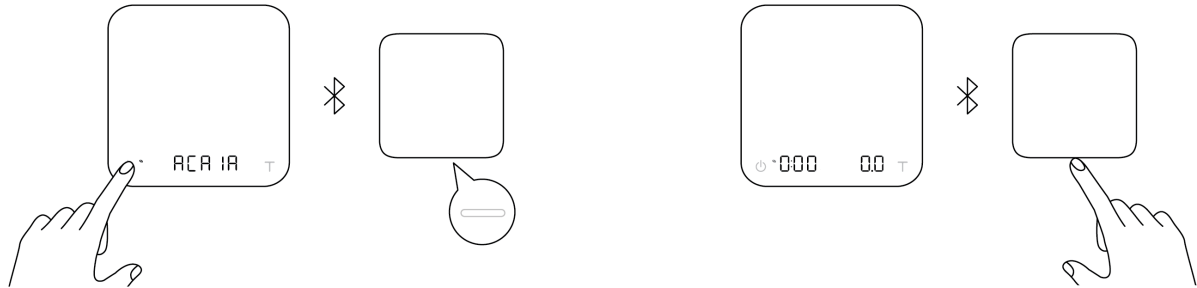
- Before pairing, please refer to the “Supported Acaia Devices and Modes” section to ensure the device compatibility.
- Each Umbra can only pair with one Acaia Device at a time. If you wish to pair with another device, please reset the pairing with the instructions in the Appendix.



# Using Your Umbra

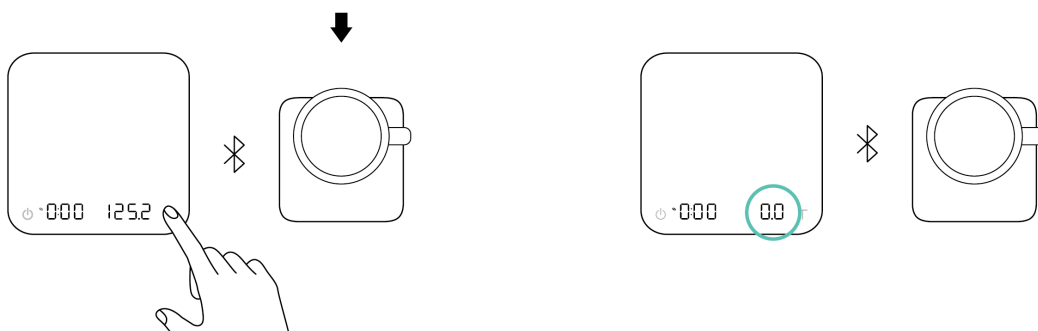
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## Power On



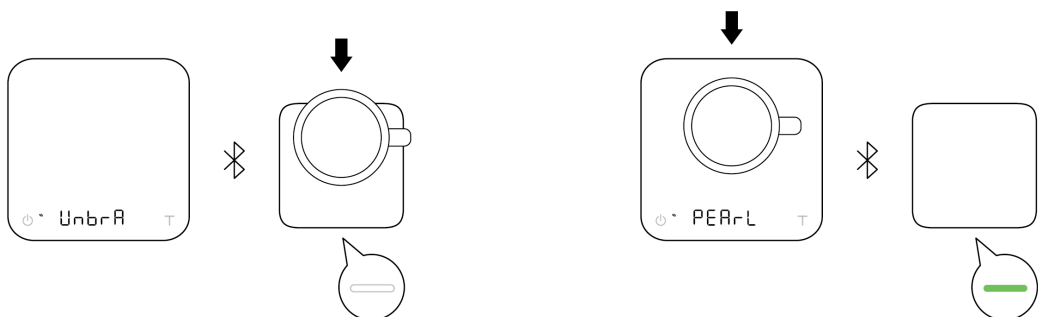
Turn on the paired device, it will wake the Umbra automatically if it's in Sleep Mode. Turn on the Umbra it will automatically connect with the paired device.

## Control



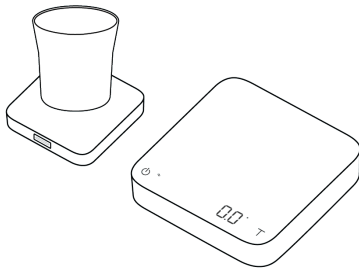
The control is now shared with the paired device. Tare, Start, Stop, and Mode Changes, etc.

## Tap to Switch

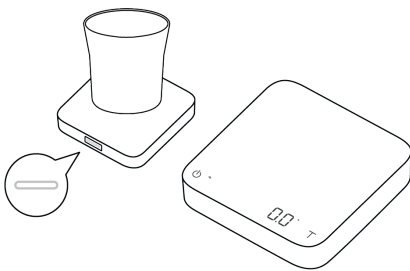


The Magic Relay allows you to tap to switch between the Umbra and the paired device.

## Weighing on the Umbra

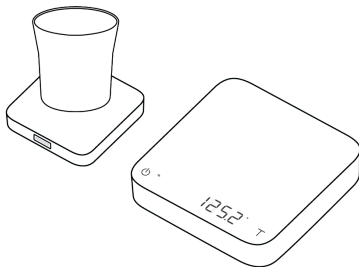


- 1 Place a container on the Umbra.

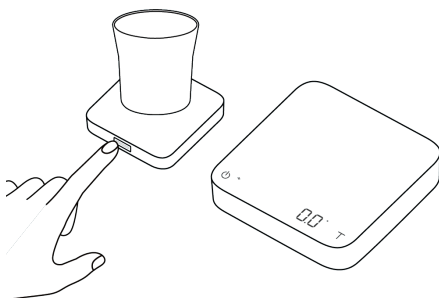


- 2 The Umbra turns solid White and plays the Magic Relay notification sound.

\*The Umbra will not emit the Magic Relay Notification sound while continuing weighing on the same device.

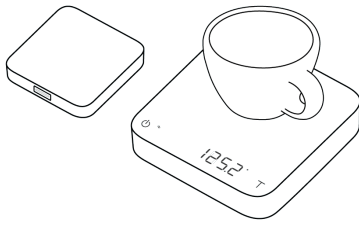


- 3 The paired device will display the container's weight.

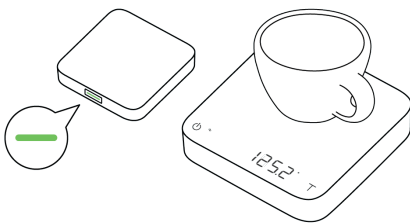


- 4 Tap the Action Button or the Tare Button on the paired device to tare the weight.

## Weighing on the Paired Device

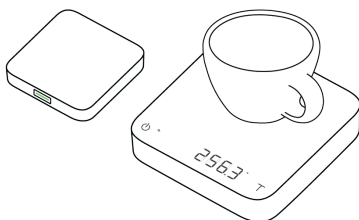


- 1** Place a container on the paired device.

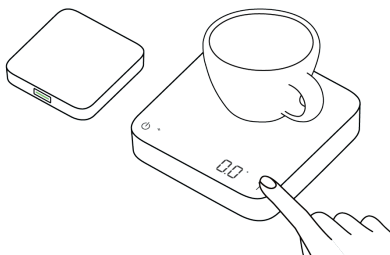


- 2** The Umbra turns solid Green and plays the Magic Relay notification sound.

\*The Umbra will not emit the Magic Relay Notification sound while continuing weighing on the same device.



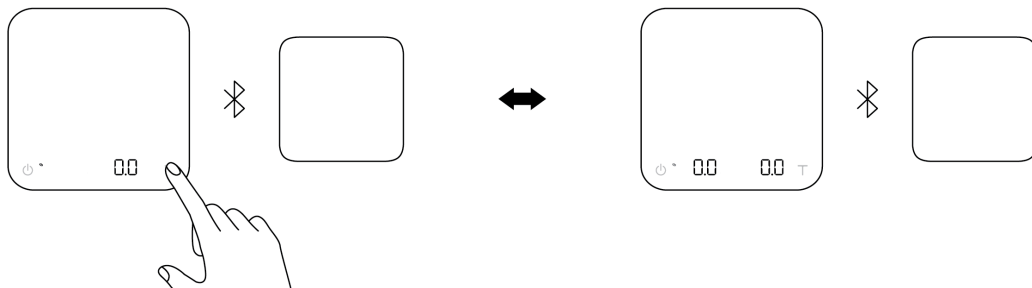
- 3** The paired device will display the container's weight.



- 4** Tap the Tare Button on the paired device to tare the container's weight.

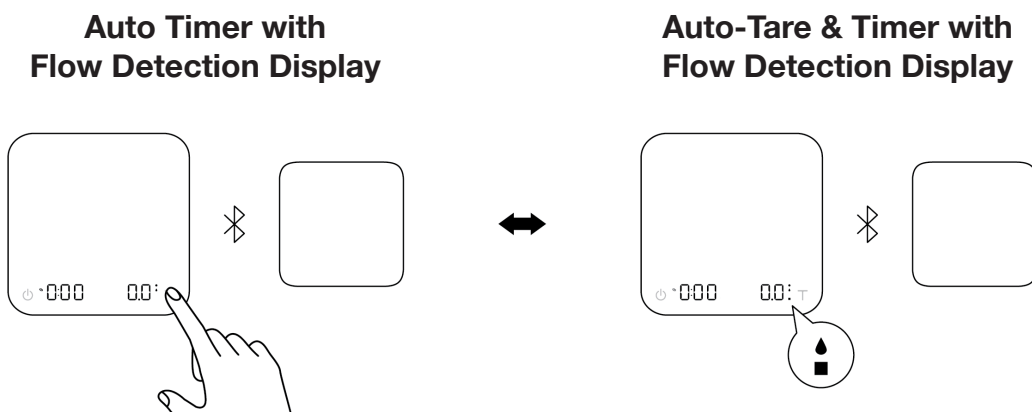
# Toggling Display in Different Modes


## Weight Only Mode



In Weight Only Mode, you can toggle between Single and Dual Weight Display by pressing and holding the Tare Button.

## Auto Mode with Flow Detection



In Auto Mode with Flow Detection, you can toggle the Auto Mode Display (  or  ) by pressing and holding the Tare Button.

# Supported Acaia Devices and Modes

	<b>Pearl</b>  AP007 / AP008 / AP009	<b>Pearl S</b>  PS003 / PS004	<b>Lunar</b>  AL008 / AL009 / AL010 / AL012 / AL013	<b>Pyxis Black</b>  APS001
<b>Weight Only Mode</b> Single Weight Display	•  (Original Weighing Only Mode)	•  (Original Weighing Only Mode)	•  (Original Weighing Only Mode)	
<b>Weight Only Mode</b> Dual Weight Display	•	•	•	
<b>Timer and Weight Mode</b>	•  (Original Dual Display Mode)	•  (Original Dual Display Mode)	•  (Original Dual Display Mode)	
<b>Auto Mode with Flow Detection Mode</b> Auto Timer with Flow Detection Display	•  (Original Pour-Over Auto-Start Timer Mode)		•  (Original Pour-Over Auto-Start Timer Mode)	
<b>Auto Mode with Flow Detection Mode</b> Auto-Tare & Timer with Flow Detection Display	•		•  (Original Auto-Tare Timer Starts with Flow Mode)	
<b>Customizable Brewing Modes</b>				•

**Note:**

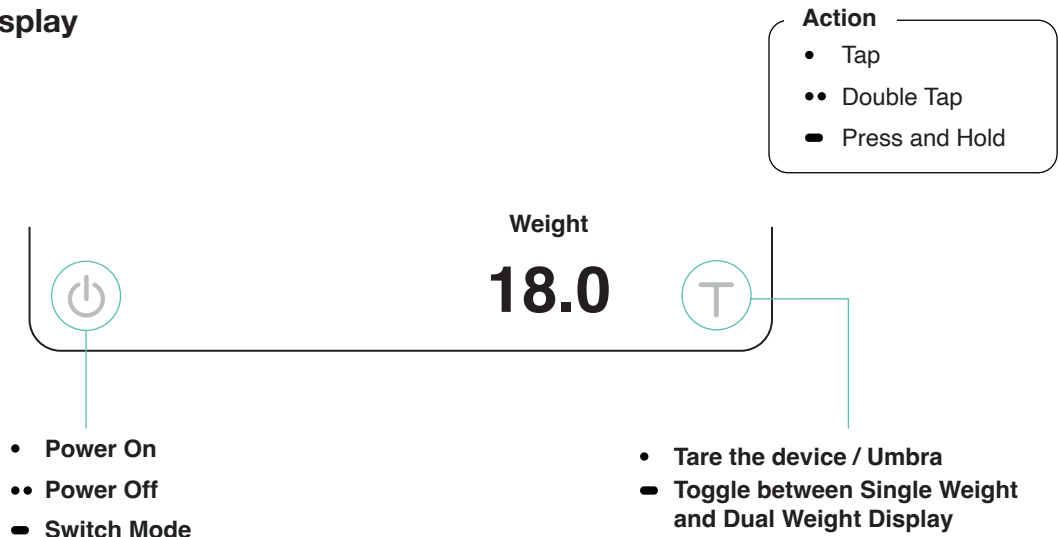
- Please ensure the original modes on the paired device are enabled to ensure compatibility with your Umbra.
- For instructions on connecting to Pyxis Black, please refer to page 9 of the Pyxis Black Manual.
- For the list of supported devices, please visit [acaia.co](https://acaia.co).

# Mode Introduction

## Operating Mode 1 – Weight Only Mode

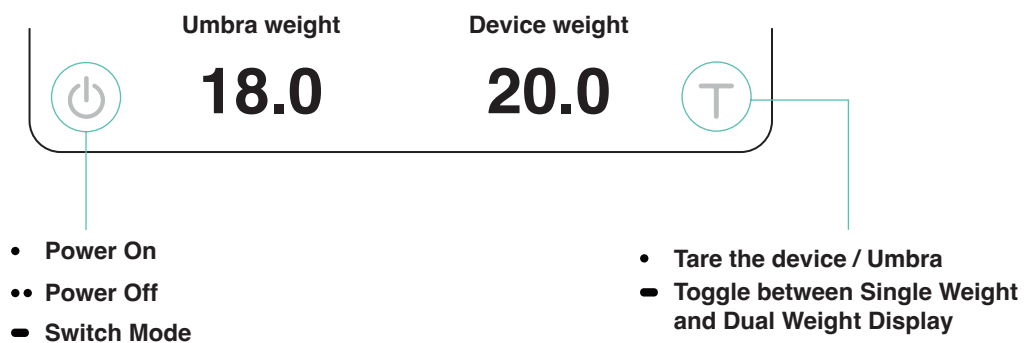
In Weight Only Mode, you can use the weighing function with the option to switch between Single and Dual Weight Display. In Dual Weight Display, you can monitor both the Umbra's weight and the paired device's weight side by side on the paired device's display.

### Single Weight Display

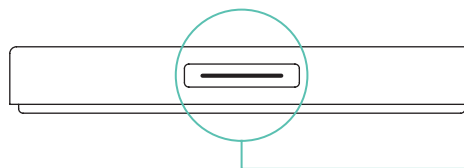


- In grams, the LED display shows [ 0.0 ].
- In ounces, the LED display shows [ 0.000 ] and the Weighing In Ounces Indicator lights up.
- The readability is 0.1 g or 0.002 oz.

### Dual Weight Display



- In grams, the LED display shows [ 0.0 0.0 ].



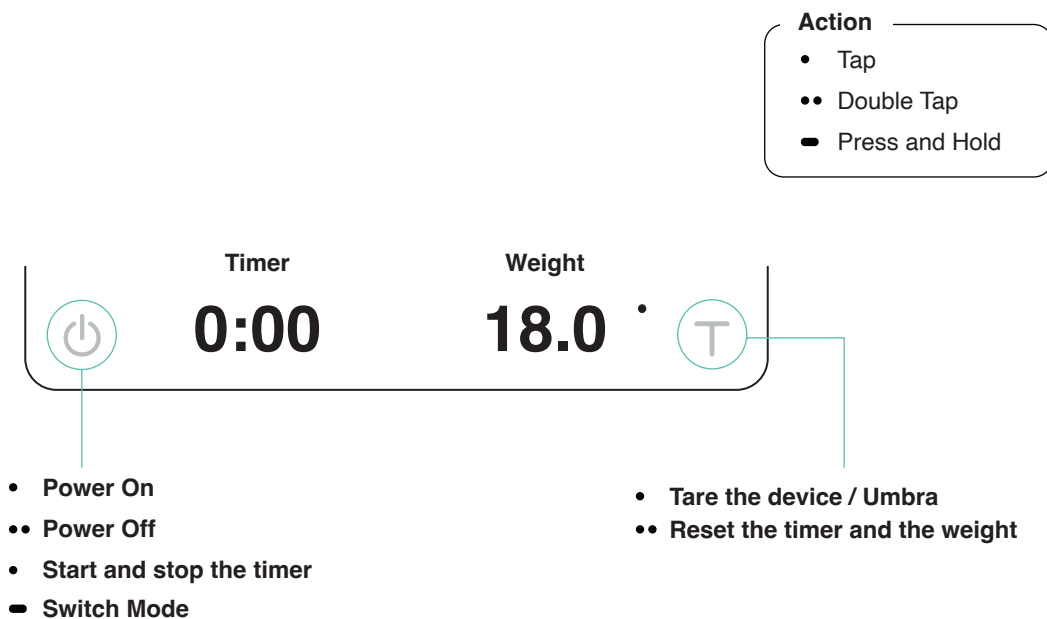
- Tare the Umbra

#### Note:

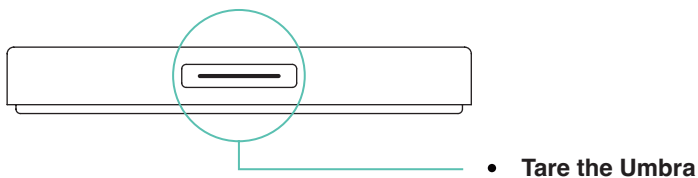
- Only gram measurements are supported in Dual Weight Display.
- To toggle between gram and ounce, please refer to Settings in the “Advanced Control with the Brewmaster App.”
- The Magic Relay Audio Notification is not supported in Dual Weight Display and the Action Button will always remain solid White.

## Operating Mode 2 – Timer and Weight Mode

In Timer and Weight Mode, both the weight and the timer are displayed on the paired device. The Umbra and the paired device can freely switch between each other based on changes in weight.



- In grams, the LED display shows [ 0:00 0.0 ].
- In ounces, the LED display shows [ 0.000 ] and the Weighing In Ounces Indicator lights up.
- The timer displays from [ 0:00 ] to [ 9:59 ].
- The readability is 0.1 g or 0.002 oz.





### Note:

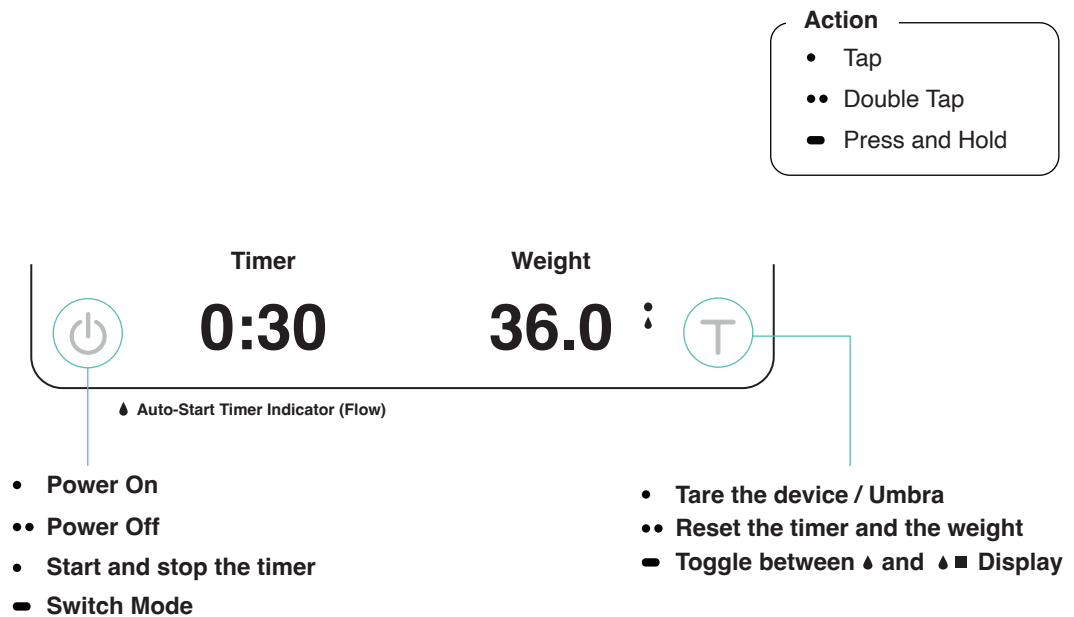
To toggle between gram and ounce, please refer to Settings in the “Advanced Control with the Brewmaster App.”

## Operating Mode 3 – Auto Mode with Flow Detection

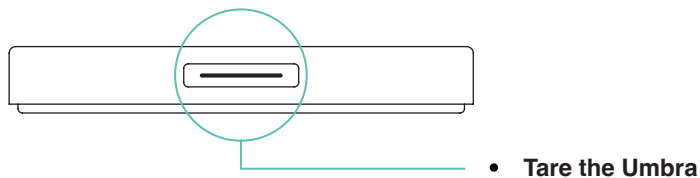
In Auto Mode with Flow Detection, this mode assists with espresso and pour-over coffee brewing, with or without auto-tare.

You can switch between the Auto Timer with Flow Detection Display  and the Auto-Tare & Timer with Flow Detection Display . Once flow is detected, the auto-tare and timer functions will automatically activate.

### Auto Timer with Flow Detection Display



- In grams, the LED display shows [ 0:00 0.0 ].
- In ounces, the LED display shows [ 0.000 ] and the Weighing In Ounces Indicator lights up.
- The timer displays from [ 0:00 ] to [ 9:59 ].
- The readability is 0.1 g or 0.002 oz.

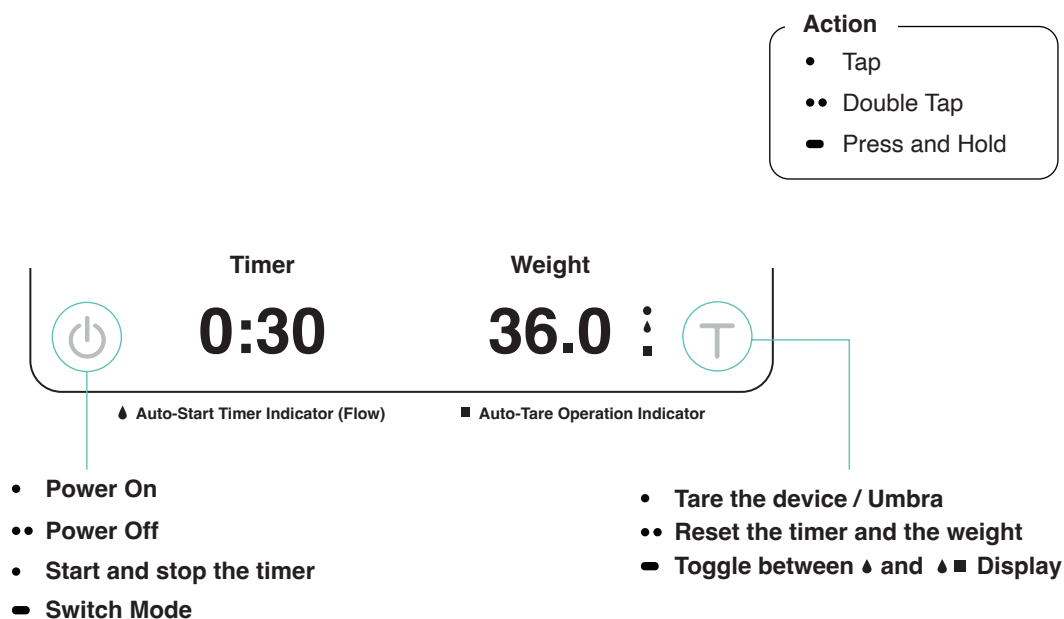


#### Note:

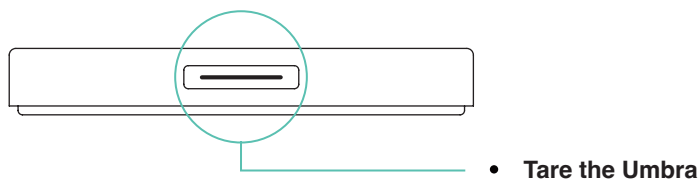
To toggle between gram and ounce, please refer to Settings in the “Advanced Control with the Brewmaster App.”



## Auto-Tare & Timer with Flow Detection Display



- In grams, the LED display shows [ 0:00 0.0 ].
- In ounces, the LED display shows [ 0.000 ] and the Weighing In Ounces Indicator lights up.
- The timer displays from [ 0:00 ] to [ 9:59 ].
- The readability is 0.1 g or 0.002 oz.



### Note:

The Auto-Tare & Timer with Flow Detection Display ( ▲ ■ ) is only available on the Umbra.

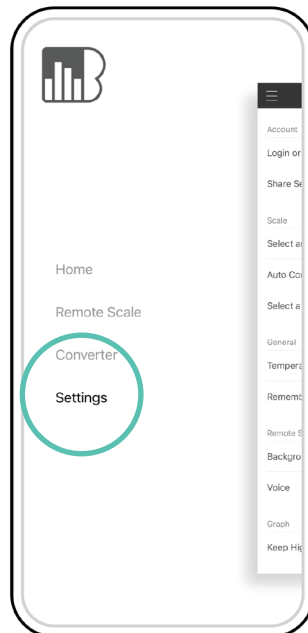
# Advanced Control with Brewmaster App

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

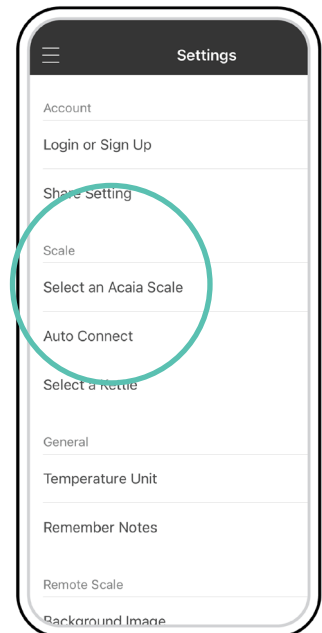
## Connected with the Umbra



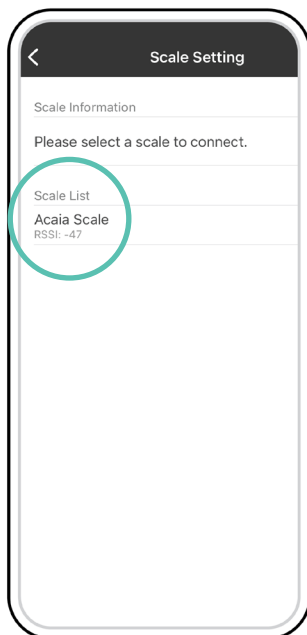
**1** Ensure the Acaia Brewmaster App is updated to the latest version.



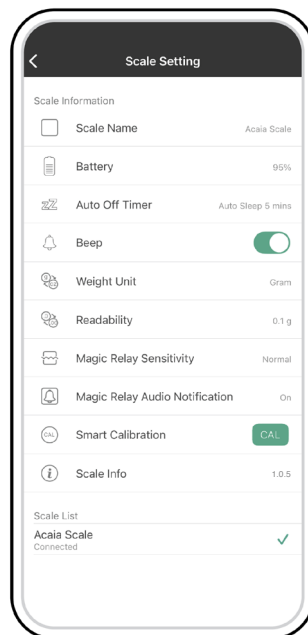
**2** Open the App and go to the [Settings].



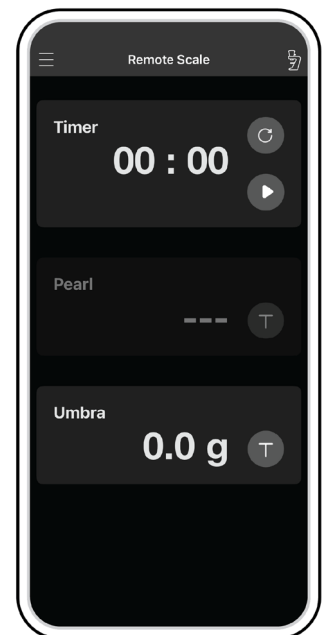
**3** Tap [Select an Acaia Scale].



**4** Turn on the Umbra. It should appear in the Scale List. Tap to connect.



**5** Connection completed.



**6** Ready to use!

# Settings Menu

## **Auto Off Timer**

1. The default setting of Auto Sleep is 1 min.
2. Auto Off: The Umbra will automatically turn off after a period of inactivity, regardless of whether it is connected to a paired device.
3. Auto Sleep:
  - a. When the paired device is turned off, the Umbra will automatically enter Sleep Mode, with a blinking Blue / Magenta light around 10 seconds.
  - b. Tap the Action Button to wake up the Umbra, and it will reconnect to the paired device.
  - c. The Umbra will not enter Sleep Mode while it remains connected to a paired device.

## **Beep**

1. The default setting is On.
2. Use this setting to turn on or off the beeping sound of the Action Button.

## **Weighing Unit**

1. The Default Weighing Unit is set to gram if [ Gram ] is selected and ounce if [ Ounce ] is selected.
2. The display of [ 0.000 ] is currently supported only within the Brewmaster App.

## **Readability**

1. The default setting is 0.1 g.
2. When the Weighing Readability is set to 0.01 g, the display will show [ 0.00 ] when the Umbra is set to grams, and [ 0.0000 ] for ounces.
3. The display of [ 0.00 ] is currently supported only within the Brewmaster App.

## **Magic Relay Sensitivity**

1. The default setting is Normal.
2. The Magic Relay Sensitivity setting determines how quickly the load receptor responds to the weight change between the Umbra and the paired device. “Low” indicates a more stable but slightly slower weighing result; “High” indicates higher sensitivity and a faster weighing result.

## **Magic Relay Audio Notification**

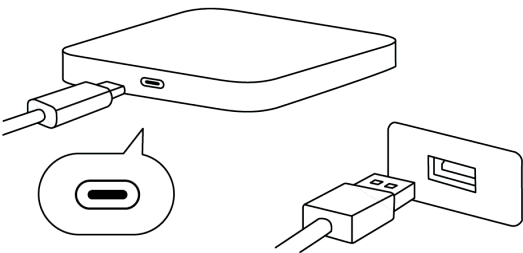
1. The default setting is On.
2. On: The Umbra plays a sound effect when it detects weight changes between the Umbra and the paired device.
3. Off: The Magic Relay Audio Notification is disabled.
4. This feature is not supported in Dual Weight Display Mode.

# Product Care Information

## Charging Battery

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

When the Umbra is charging, the Action Button Status Indicator will display different colors depending on the battery level range, as shown in the table below. You can also check the exact battery level via the Brewmaster App.

<b>Green</b> 	<b>Battery fully charged</b>
<b>Yellow</b> 	<b>Charging in progress</b>

**Note:**

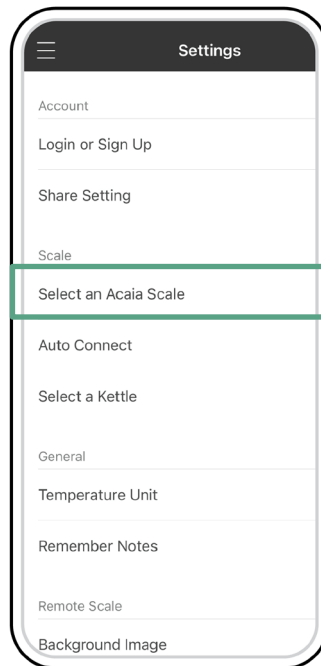
- **The Umbra cannot be used while it is charging.**
- **The Umbra is equipped with charging protection to prevent the battery from charging under high temperatures. It is normal if the scale does not charge when the surface is hot from brewing coffee. The battery charging function will be enabled once the scale has cooled.**

## Smart Calibration

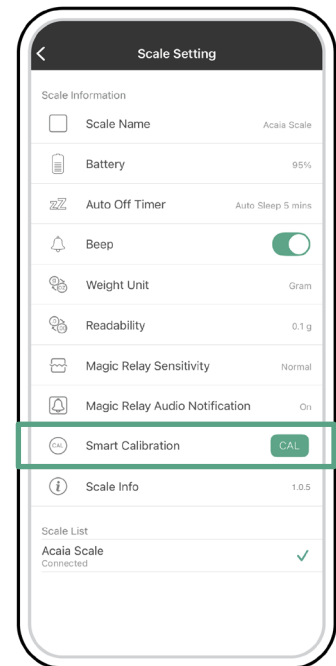
The Smart Calibration must be performed using the Brewmaster App. Follow the steps below to calibrate your Umbra.



- 1 Ensure the Acaia Brewmaster App is updated to the latest version.



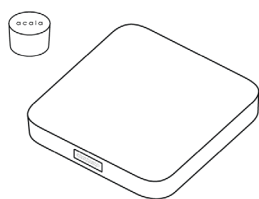
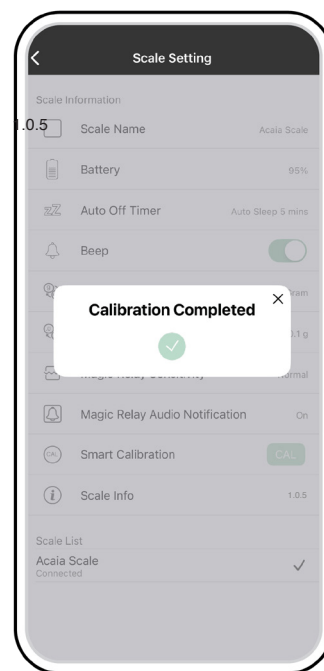
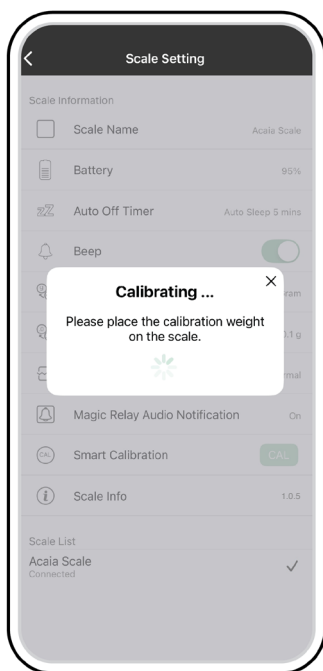
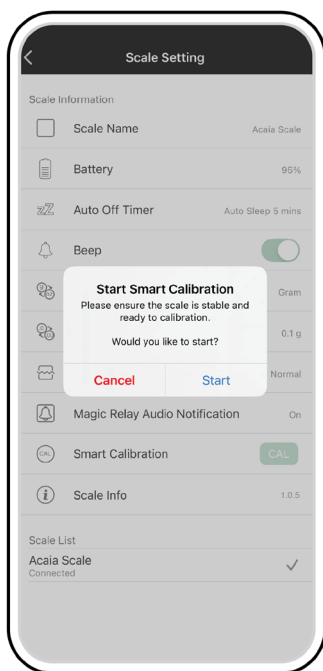
- 2 Connect your Umbra with the Brewmaster App. Tap Acaia Scale to enter the [Scale Setting].



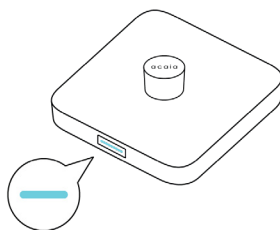
- 3 Tap the [CAL] button under [Smart Calibration].

### Note:

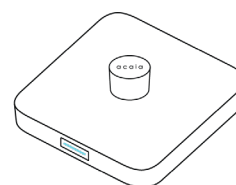
Before starting calibration, set the Weight unit of Umbra to “gram”.



**4** Make sure the Umbra is placed on a stable and vibration-free surface. Tap [Start] to begin the calibration process.



**5** When the Umbra shows solid Cyan, place a calibration weight on it.



**6** Wait until the app shows “Calibration Completed.” Your Umbra is now calibrated!

#### Note:

You may use 100 g, 500 g or 1000 g weights. If you use weights other than Acaia Weights, we recommend F2 class standard calibration weights.



## 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.

# Appendix

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## Firmware Update

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


### Note:

**If the Umbra blinks Magenta after blinking Green, please fully charge the Umbra before proceeding with the update.**

## Unpairing the Umbra

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

## Reset to Factory Default

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

## Error Codes

Error Code	Description
303	Unable to find acceptable starting Zero point, most likely due to loadcell damage caused by excessive force or drop. Please contact Acaia support.

## Troubleshooting

### Stuck in Firmware Update Mode:

To exit Update Mode, press and hold the Action Button for 50 seconds until the Red light stops blinking and turns off. Afterward, you can try entering Firmware Update Mode again by following the instructions in the Appendix.

# Specifications

<b>Model</b>	AUL001
<b>Product Weight</b>	300 ± 5 g
<b>Product Dimensions</b>	W: 105 mm L: 105 mm H: 15 mm
<b>Maximum Capacity</b>	1000 g / 35.27 oz
<b>Minimum Capacity</b>	0.1 g / 0.01 g
<b>Measuring Units</b>	g / oz
<b>Readability</b>	0.1 g / 0.01 g
<b>Repeatability</b>	0.1 g
<b>Linearity</b>	0.1 g
<b>Indication Limit</b>	1030 g / 36.33 oz
<b>Power Supply</b>	5 V / 500 mA
<b>Battery</b>	Lithium-ion rechargeable 3.7 V 1100 mAh
<b>Battery Life</b>	40 - 48 hours Up to 14 days (Standby Mode)
<b>Material</b>	PC, Aluminum
<b>Operating Ambient Temperature</b>	15°C - 40°C
<b>Connectivity</b>	Bluetooth Low Energy 5.4
<b>Warranty</b>	2 Years
<b>Inside the Package</b>	Umbra Scale x 1 Heat Resistant Pad x 1 Non-slip Protective Strip x 2 Friction-reduction Protective Strip x 2 USB Type-C Charger Cable x 1 Acaia Calibration Weight 100 g x 1



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