acaia

Pyxis Black
User Manual

APS001

FW 1.0.2

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In the Box

Introduction

Thank you for choosing our scale. The Pyxis Black 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 Pyxis Black box to find the following items.

Pyxis Black

Pyxis Black Carrying Case

USB Type-C Charger Cable

Acaia Calibration Weight 100 g

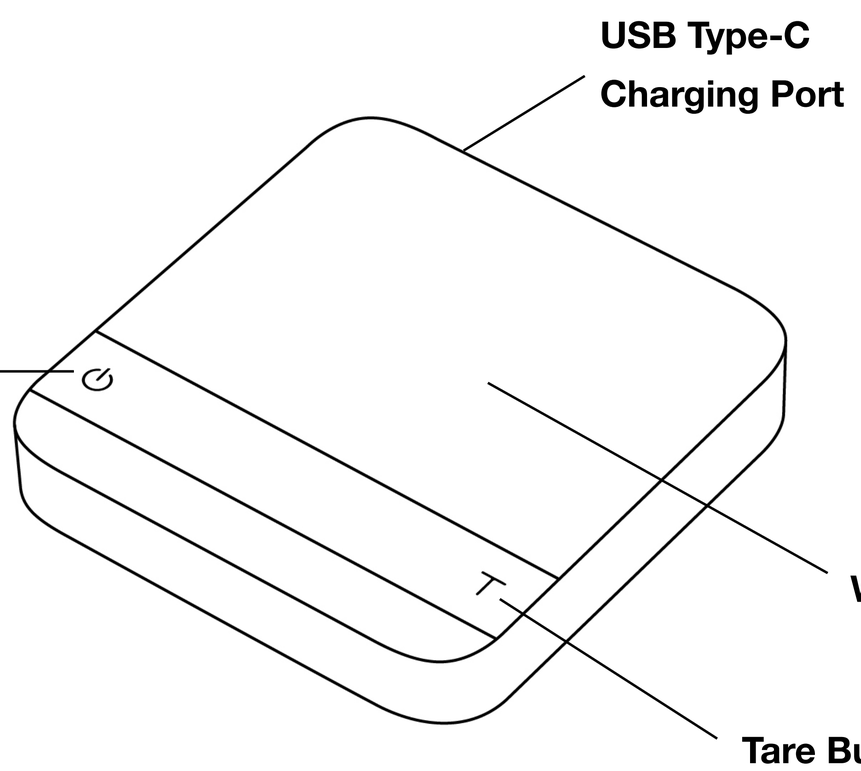
Next, follow the instructions in Getting Started to begin using your scale. To take full advantage of the Pyxis Black's many features, carefully read through the manual, which contains step-by-step procedures, examples, and other information.

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

Pyxis Black Overview

Action

- Tap
- Double Tap
- Press and Hold



USB Type-C Charging Port

Power Button

- Power On
- Power Off
- Switch Modes / Power Off / Enter Main Settings

Weighing Pan

Tare Button

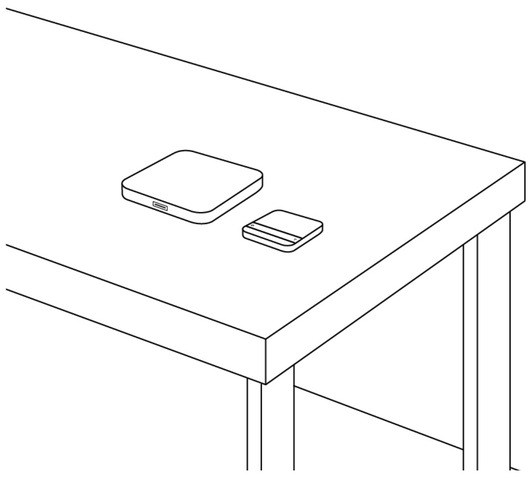
- Tare / Zero the Pyxis Black weight
- Enter the Mode Settings

Note:

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

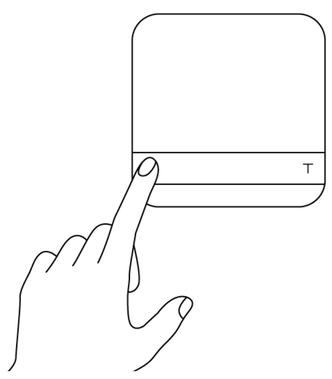
Getting Started

Placement



Place the Pyxis Black on a stable and vibration-free surface at a preferably level surface.

Power On / Off



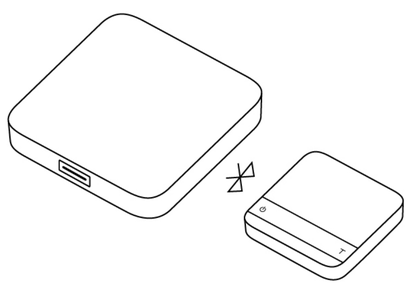
You can turn off the Pyxis Black in two ways:

- **Countdown:** Press and hold the Power Button until **OFF** appears, then release.
- **Quick Method:** Double tap the Power Button for instant power off.

Connect With the App

Download the Brewmaster App to connect and access advanced controls for the Pyxis Black.

Pair With the Acaia Devices



Connect the Pyxis Black with other Acaia devices to extend your brewing workflow.

Basic Operations

Power / Tare Button: Smart Countdown System

The Pyxis Black features visual countdown indicators that guide you through different functions when you press and hold the Power or Tare Button.

Power Button Countdown Stages

The Power Button has a three-stage countdown system. Press and hold the button for 1 second to begin, and release it at the desired stage:

Stage 1: Switch Modes

When the display highlights **MODE**, release the button to switch to the next brewing mode.

Stage 2: Power Off

When the display highlights **OFF**, release the button to turn off the scale.

Stage 3: Enter Settings

When the display highlights **SETTINGS**, release the button to enter the main settings for pairing and configuration.

Tare Button Countdown Stages

The Tare Button provides quick access to mode settings. Press and hold the button for about 1 second until the display shows **MODE SETUP**, then release it to open the menu.

Basic Operations

Navigation Controls

Once you enter the Main or Mode Settings, you can navigate using the Power Button and Tare Button as described below.

In Main Settings / Mode Settings

Button	Gesture	Action
Power Button	Tap	Go to the previous setting
	Press and hold	Exit Settings and return to Modes
Tare Button	Tap	Go to the next setting
	Press and hold	Enter the selected setting

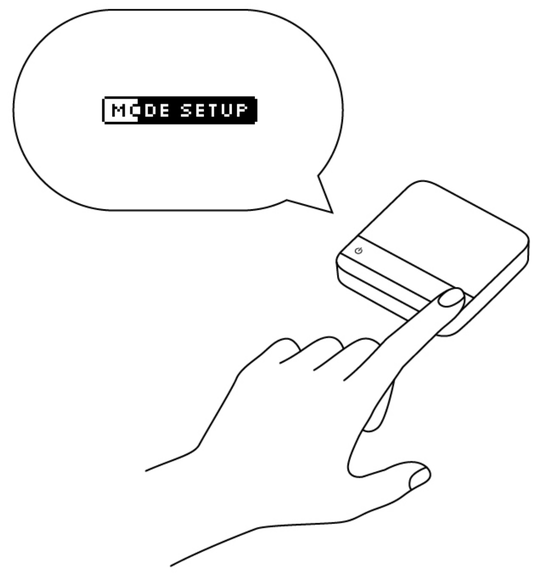
Inside Individual Setting

Button	Gesture	Action
Power Button	Tap	Go to the previous option
	Press and hold	Return to Settings without saving
Tare Button	Tap	Go to the next option
	Press and hold	Save the selected option

Using Your Pyxis Black

Customize Your Modes

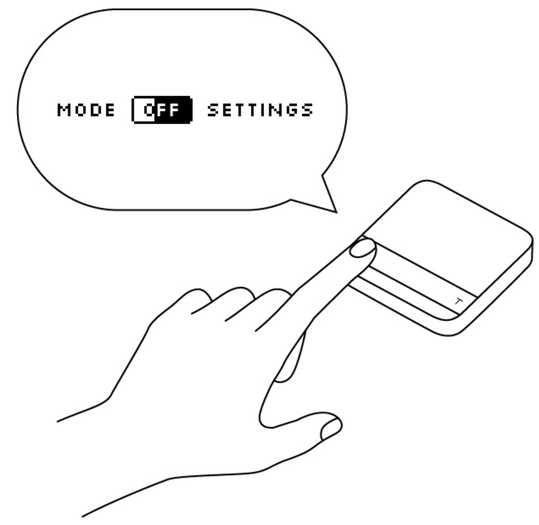
Press and hold the Tare Button until the display shows **MODE SETUP**. Release the button to open the menu, where you can turn functions such as Timer, Auto-tare, and Flow-rate Indicator on or off.

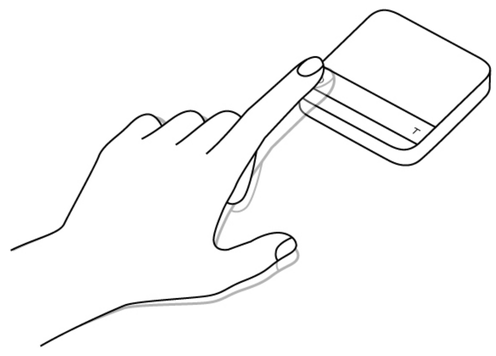


Power Off

You can turn off the Pyxis Black in two ways:

- **Countdown Method:** Press and hold the Power Button until OFF appears, then release.
- **Quick Method:** Double tap the Power Button for instant power off.





Brew History

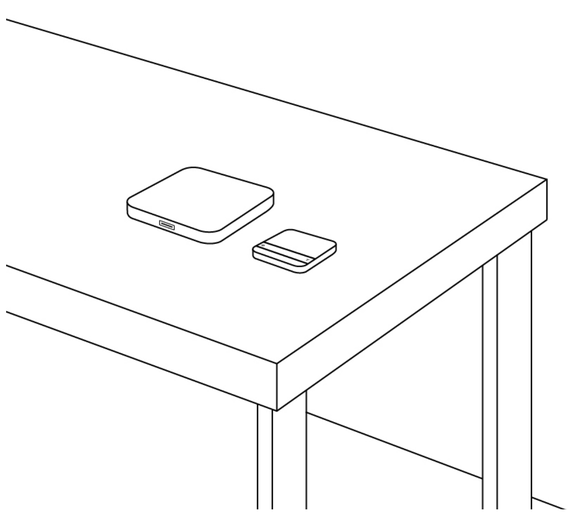
The Brew History keeps track of your saved brews. Each brew can be saved or skipped, and the log will display your **Total Brews, Total Coffee Consumption, and Average Flow-rate.**

Device Pairing & Connection

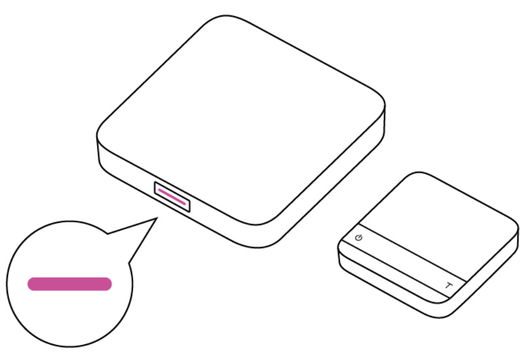
Pairing With the Umbra Series

The Pyxis Black can pair with the Umbra or Umbra Duo for synchronized brewing.

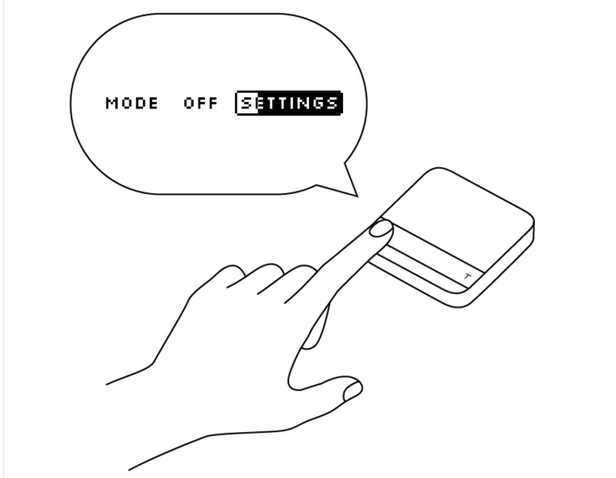
1 Make sure both the Pyxis Black and the device you wish to pair are updated to the latest firmware via the Acaia Updater App.



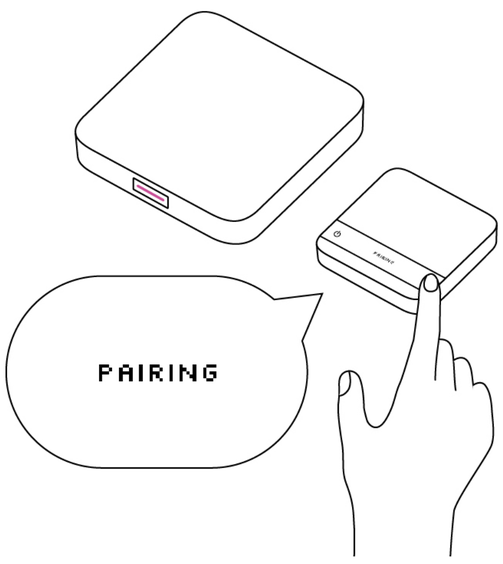
2 Place the Pyxis Black and the Umbra on a stable, vibration-free, and preferably level surface.



3 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.

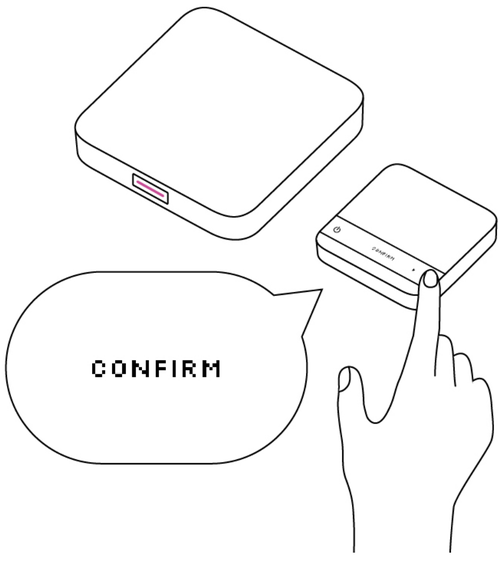


4 Press and hold the Power Button for 1 second to enter the countdown stage.
Release the button when **SETTINGS** is highlighted to open the main settings.

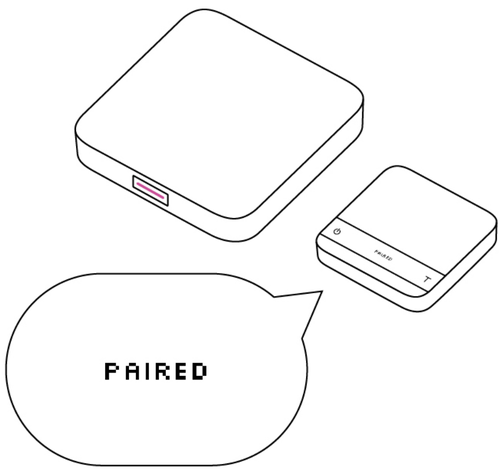


5 In Main Settings:
- Use the Power Button to move backward through options.
- Use the Tare Button to move forward.

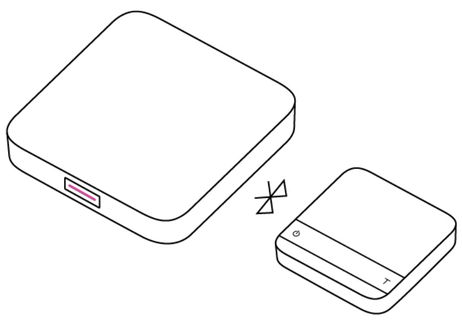
Switch to **PAIR UMBRA**, then press and hold the Tare Button. The display will show **PAIRING**.



6 When the Pyxis Black displays **CONFIRM**, tap the Tare Button to complete pairing.



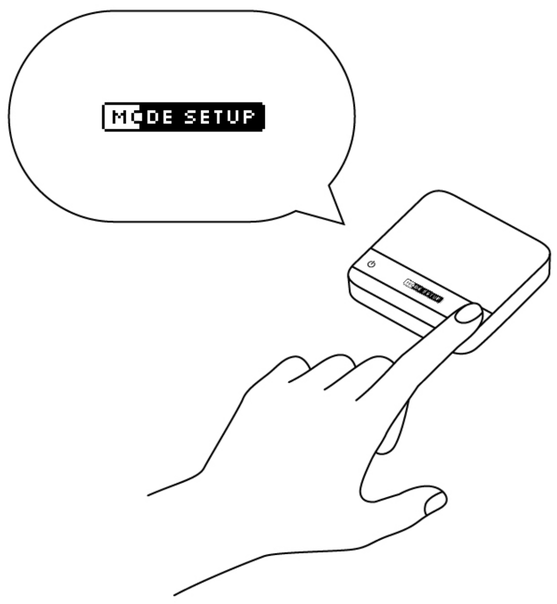
7 When the Umbra light turns solid white and the Pyxis Black display shows **PAIRED**, the devices are successfully paired.



8 Pairing is required only once. Afterward, the Umbra will automatically connect to the Pyxis Black whenever it is powered on. Once paired, a quick guide will appear to introduce the Magic Relay feature.

Enable Device Connection

After successfully pairing, you can enable device connection in **Mode Settings**.

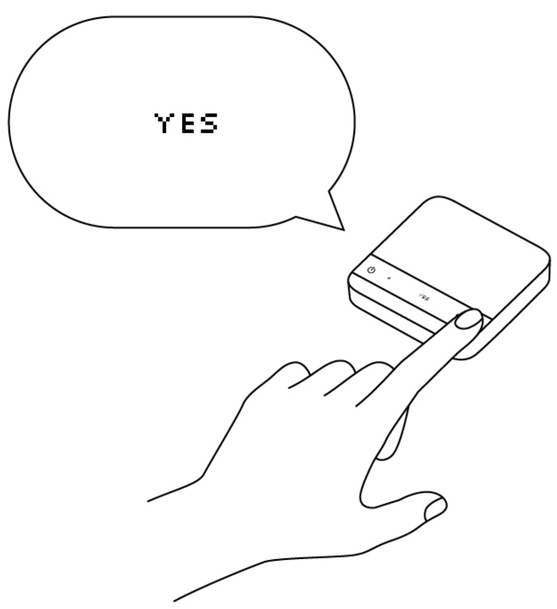


1 Press and hold the **Tare Button** for 1 second to enter the countdown stage, and release when the display shows **MODE SETUP** to open the settings menu.

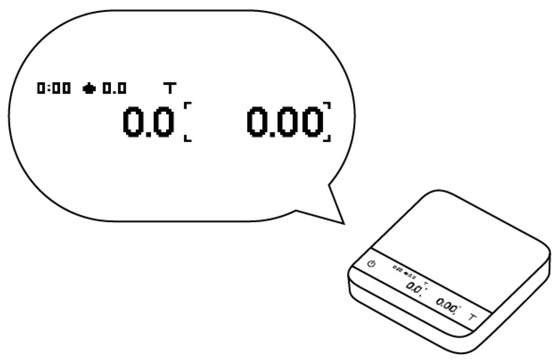
2 In Mode Settings:

- Use the Power Button to move backward through options.
- Use the Tare Button to move forward.

Switch to **CONNECT UMBRA**, then press and hold the Tare Button to enter the setting.



3 Select **YES** and press and hold the Tare Button to confirm. After confirmation, the display will show a quick guide for using the Pyxis Black with the Umbra.



4 Once connected, the display will show a **frame indicator** marking the target area for taring weight.

Standard Gestures Reference

Single Device Operation

Button	Gesture	Action
Power Button	Tap	Start / Stop / Reset timer
	Press and hold	Trigger multi-stage long press countdown: Stage 1 - Switch mode Stage 2 - Power off Stage 3 - Enter Main Settings
Tare Button	Tap	Tare weight; Brew summary - Log a brew
	Double Tap	Reset mode
	Press and hold	Trigger long press countdown: Enter Mode Settings

Paired Device Operation

Button	Gesture	Action
Power Button	Tap	Start / Stop / Reset timer of the primary brewing scale
	Press and hold	Trigger multi-stage long press countdown: Stage 1 - Switch mode Stage 2 - Power off Stage 3 - Enter Main Settings
Tare Button	Tap	Tare weight; Brew summary - Log a brew
	Double Tap	Reset target scale
	Press and hold	Trigger multi-stage long press countdown: Stage 1 - Switch target scale Stage 2 - Enter Mode Settings

Standard Gestures Reference

Settings Navigation Gestures

In Main Settings / Mode Settings

Button	Gesture	Action
Power Button	Tap	Go to the previous option
	Press and hold	Return to Settings without saving
Tare Button	Tap	Go to the next option
	Press and hold	Save the selected option

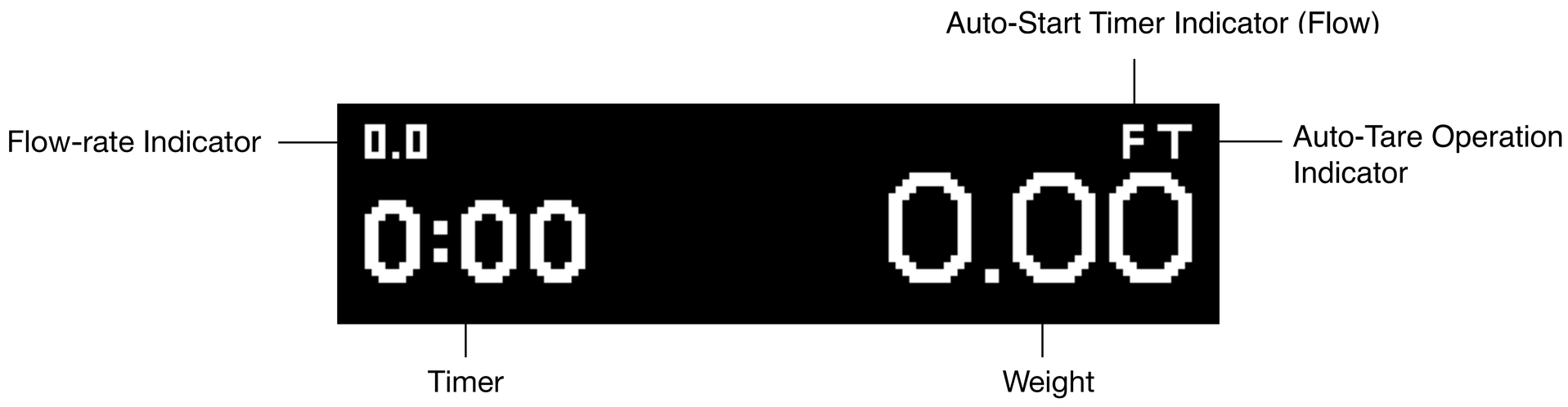
Inside Individual Settings

Button	Gesture	Action
Power Button	Tap	Go to the previous option
	Press and hold	Return to Settings without saving
Tare Button	Tap	Go to the next option
	Press and hold	Save the selected option

Mode Introduction

Customizable Brewing Modes

The Pyxis Black offers three intelligent modes designed to support different brewing needs. From simple weighing to advanced flow-rate monitoring, each mode provides the tools to create your ideal coffee workflow.



The display is divided into specific areas, with each section serving a unique function:

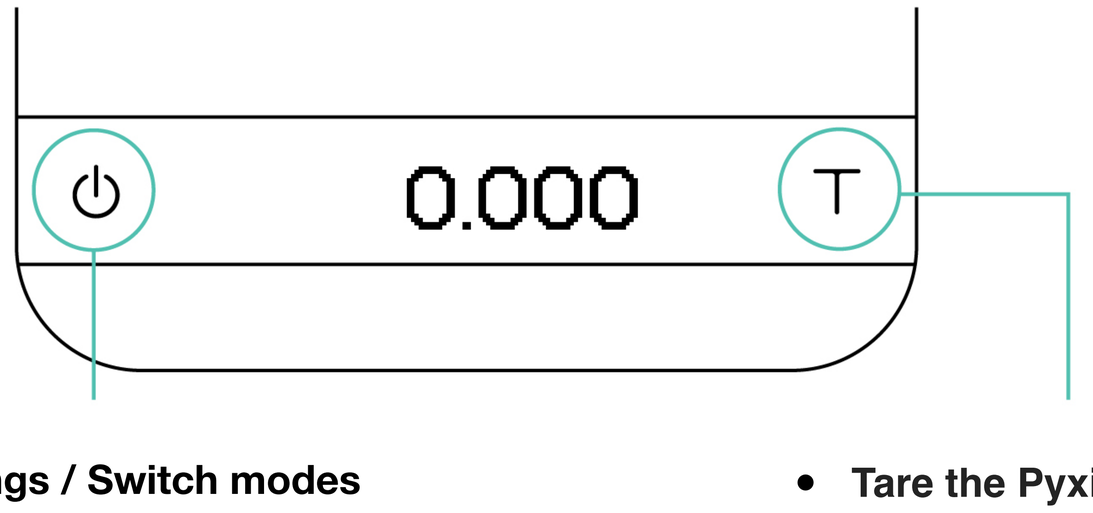
Placement	Component	Description
Top-Left Corner	Flow-Rate Indicator	• Shows real-time flow-rate during brewing • Appears as a horizontal bar graph • Can be turned on or off per mode
Top-Right Corner	Auto-Start / Auto-Tare setting	• **FT** - Timer starts with flow + Auto-tare • **AT** - Timer starts with container + Auto-tare • **F** - Timer starts with flow • **T** - Auto-tare only • **None** - Manual operation
Bottom-Left Corner	Timer	• Can be turned on or off per mode
Bottom-Right Corner	Weight	• Displays real-time weight updates • Reads in grams with 0.01 g precision

Default Mode Configurations

Action

- Tap
- Press and Hold

Mode 1

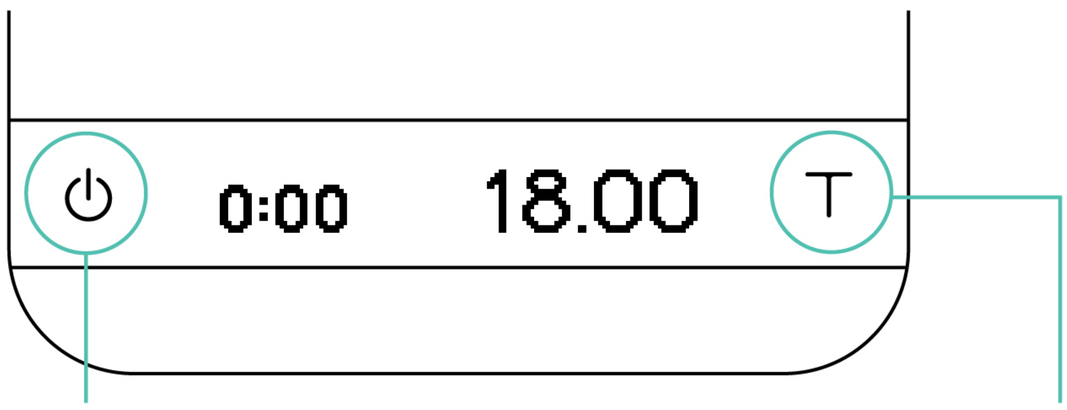


Default Configurations
Timer: Off
Auto-Tare: Off
Auto-Start: Off
Flow-Rate Indicator: Off

- **Enter main settings / Switch modes**

- **Tare the Pyxis Black**
- **Enter mode settings / Save the settings**

Mode 2

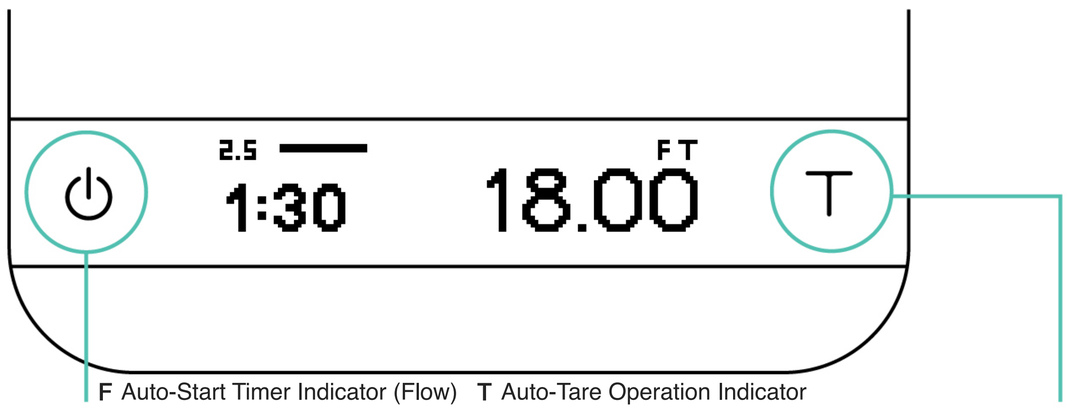


Default Configurations
Timer: On
Auto-Tare: Off
Auto-Start: Off
Flow-Rate Indicator: Off

- **Start and stop the timer**
- **Enter main settings / Switch modes**

- **Tare the Pyxis Black**
- **Enter mode settings / Save the settings**

Mode 3



Default Configurations
Timer: On
Auto-Tare: On
Auto-Start: Flow
Flow-Rate Indicator: On

- **Start and stop the timer**
- **Enter main settings / Switch modes**

- **Tare the Pyxis Black**
- **Enter mode settings / Save the settings**

Mode Components Options

Component	Options
Timer	On, Off
Flow-Rate Indicator	On, Off
Auto-Start Setting	Off, Timer Starts with Flow (F), Timer Starts with Container (A)
Auto-Tare Setting	On (T), Off

Brew History System

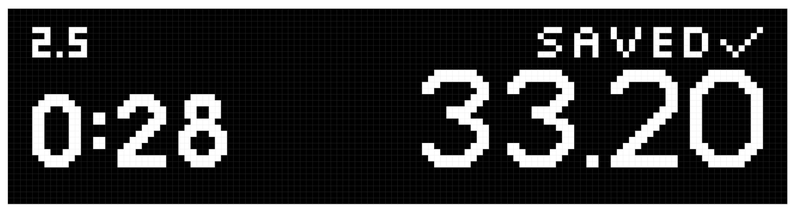
The Pyxis Black includes an integrated Brew History system designed for baristas who want to track and review their brews.

Saving a Brew to Brew History

After completing a brew, the Pyxis Black will display a **SAVE BREW ▶** indicator in the top-right corner of the screen. This means the brew data is ready to be saved.

When the display shows **SAVE BREW ▶:**

- Tap the **Tare Button** to save the brew data to your history.
- Tap the **Power Button** to skip saving if you do not want to log the brew.



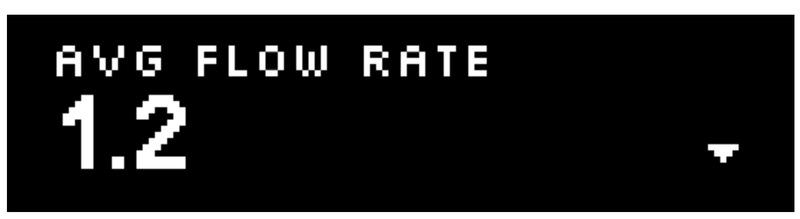
Accessing Brew History

Every saved brew is recorded in your Brew History, which you can view anytime in the main settings.

Tap the Tare Button to cycle through your saved brew statistics.

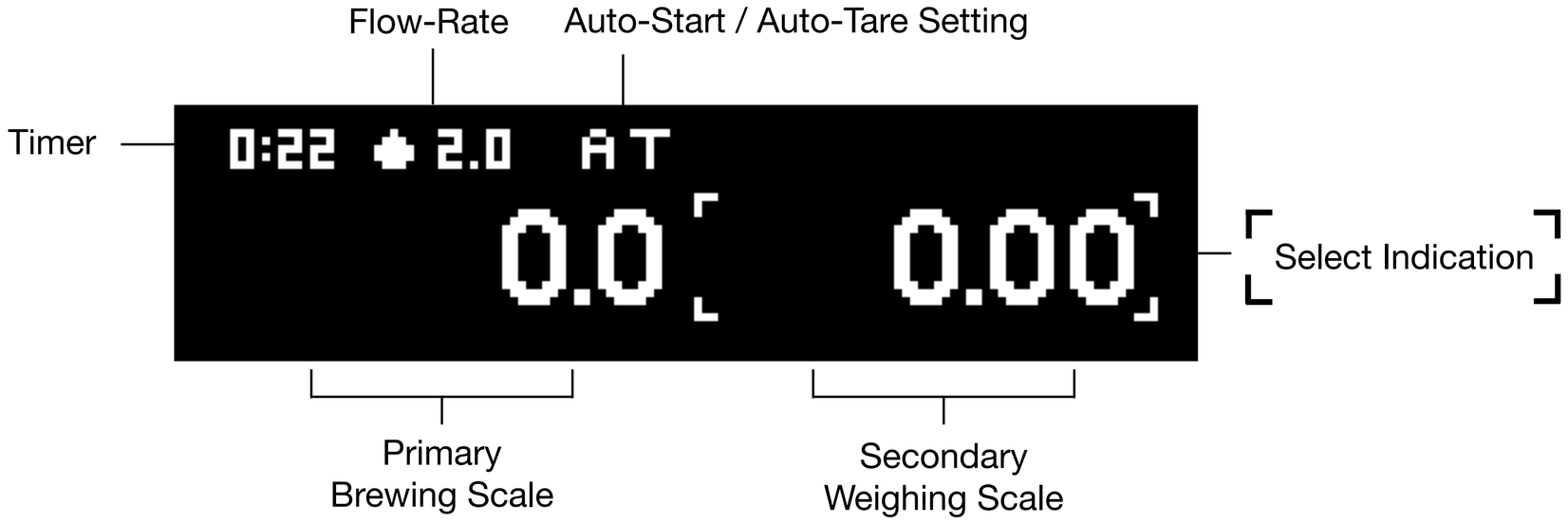
Your Brew History displays:

- **Total Brews:** The total number of brews you have saved.
- **Total Coffee Consumption (g):** The cumulative weight of coffee brewed.
- **Average Flow-rate:** The average brewing flow-rate across your saved brews.



Paired Device Operations

Unlock a dual-scale brewing experience. When paired with another Acaia device, such as the Umbra, the Pyxis Black becomes the command center for advanced brewing setups, ideal for complex espresso workflows.



Your Brewing Setup

The display is divided into two areas: the primary brewing scale on the left side and the secondary weighing scale on the right side.

Placement	Device	Role
Left side	Paired device	Primary Brewing Scale
Right side	Pyxis Black	Secondary Weighing Scale

Smart Scale Coordination

When two devices are paired, each scale has a dedicated role:

Scale Types	Description
Primary Brewing Scale	• Shows real-time weight synchronized with Pyxis Black • Supports all customized mode settings (e.g., timer, auto-tare, auto-start)
Secondary Weighing Scale	• Continues to measure and display real-time weight • Customized functions are disabled (e.g., auto-tare, auto-start)

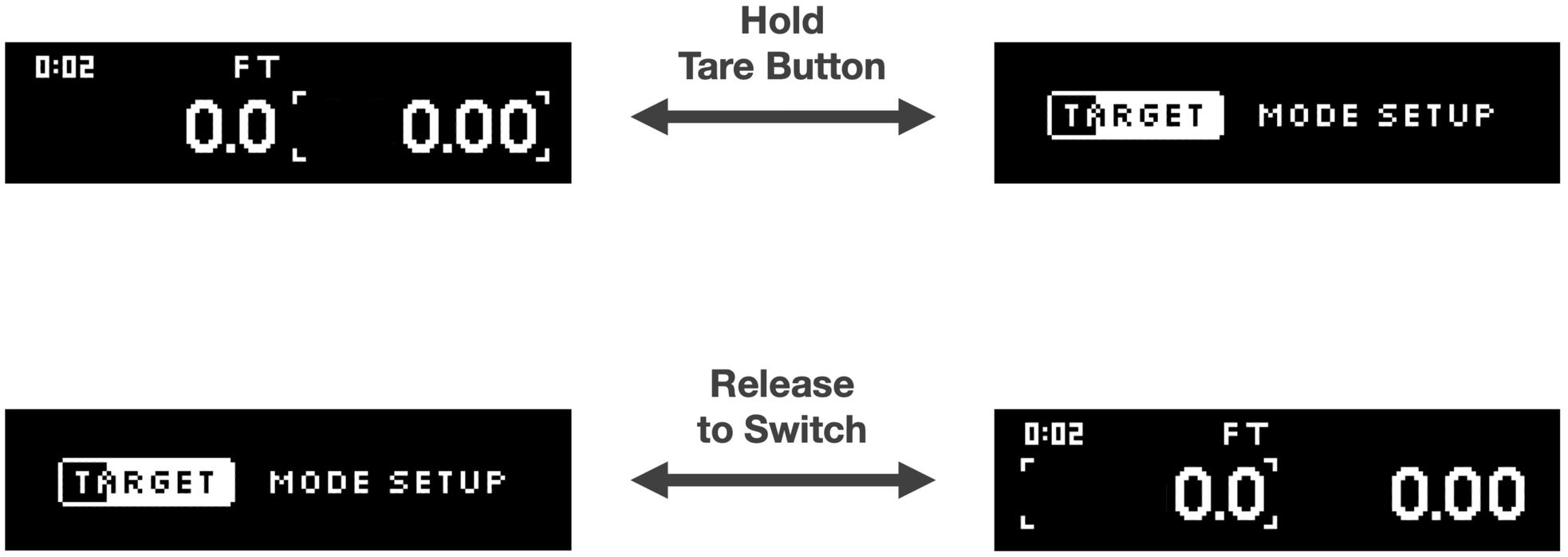
Note:

At publishing, the device can only pair with the Acaia Umbra/Umbra Duo. If new compatible devices are developed, the manual will be updated accordingly.

Effortless Scale Switching

The select indicator shows which scale responds to the Tare Button. You can switch between scales without interrupting your brewing process:

- Press and hold the Tare Button for 1 second to begin the countdown.
- Release when the display highlights Target, switching the active indicator.

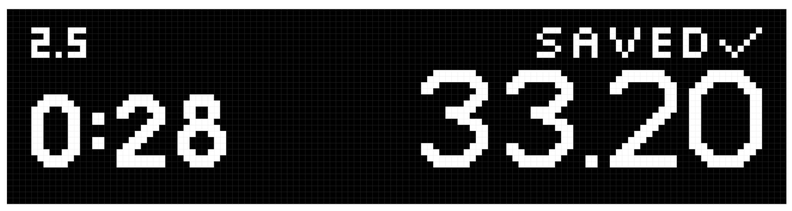


Saving Brews With a Paired Device

When brewing with paired devices, all brew data is saved from the primary brewing scale into a single comprehensive brew history.

When the display shows **SAVE BREW ▶:**

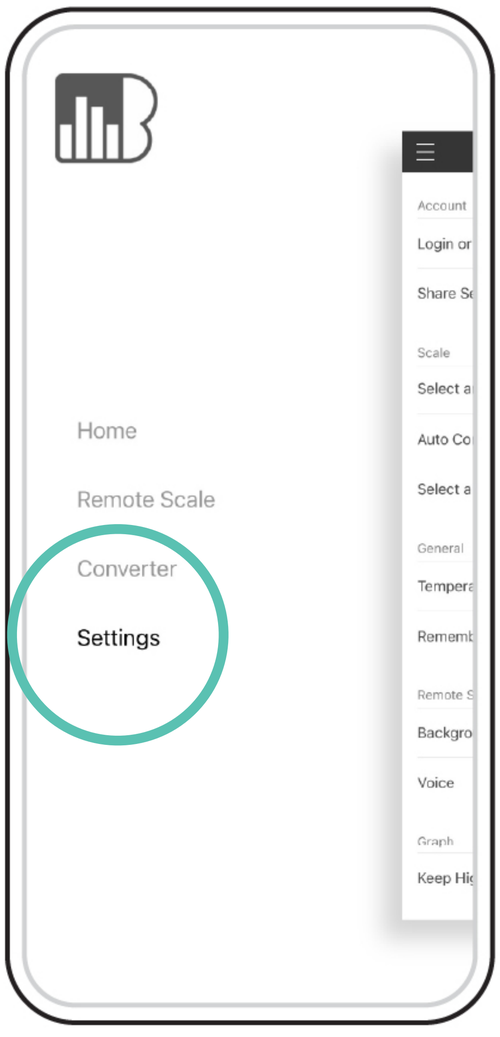
- Tap the **Tare Button** to save the brew data to your history.
- Tap the **Power Button** to skip saving if you do not want to log the brew.

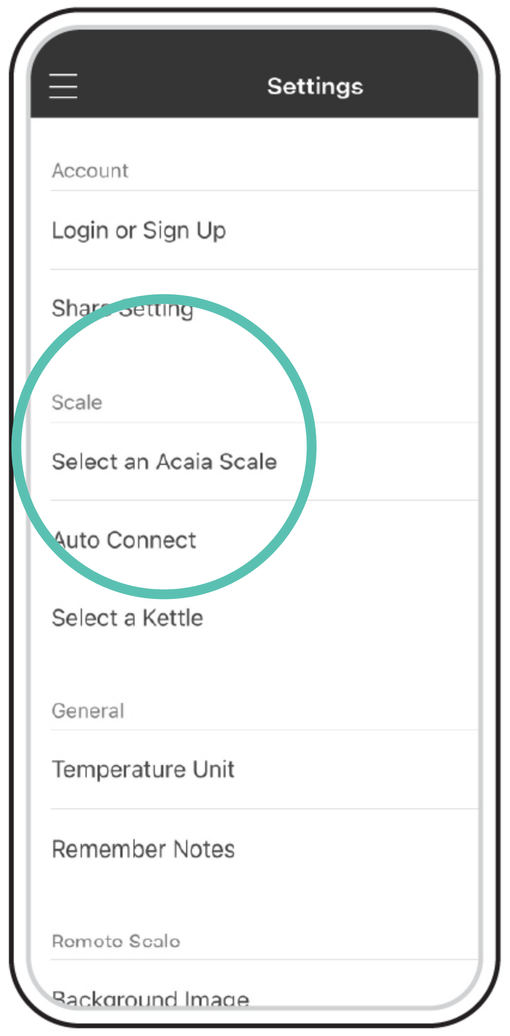


Advanced Control with Brewmaster App

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

Connected With the Pyxis Black

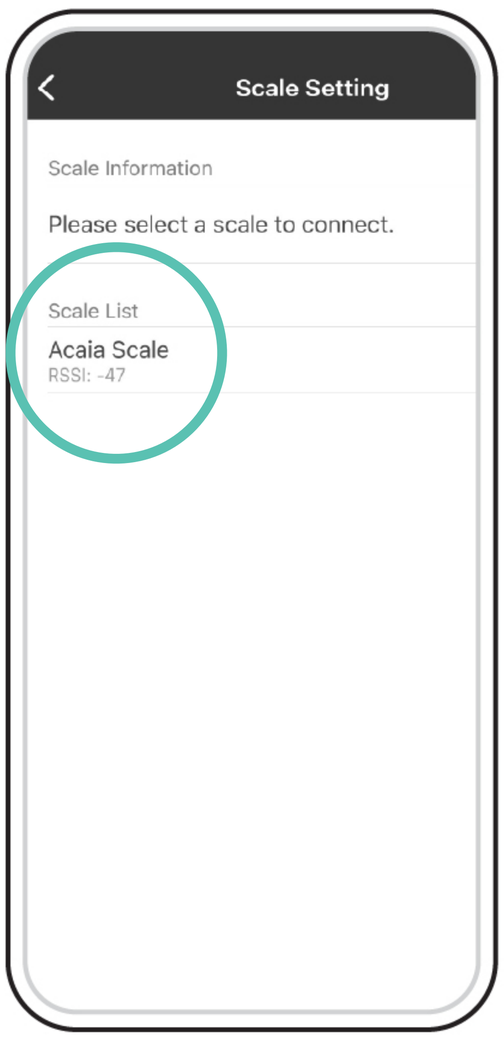


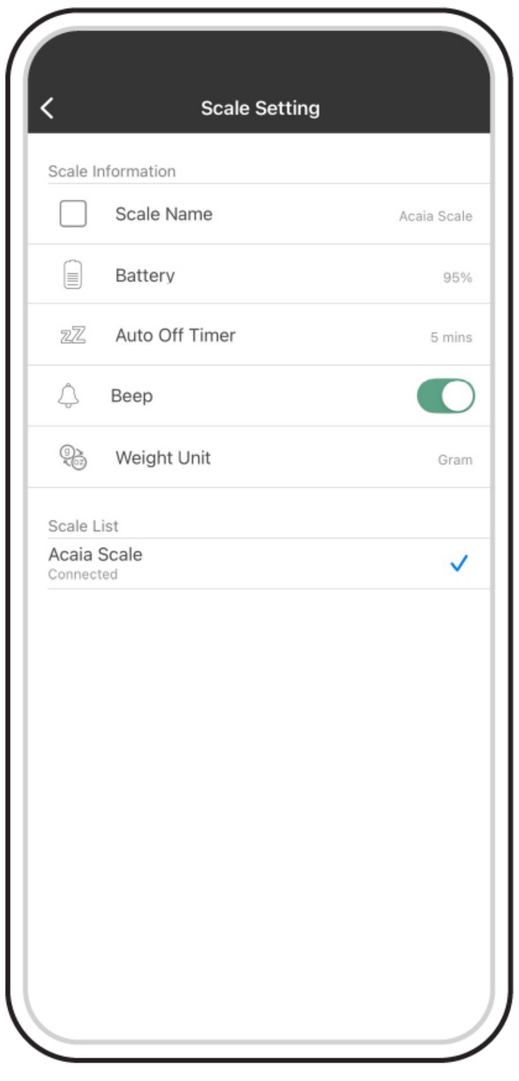


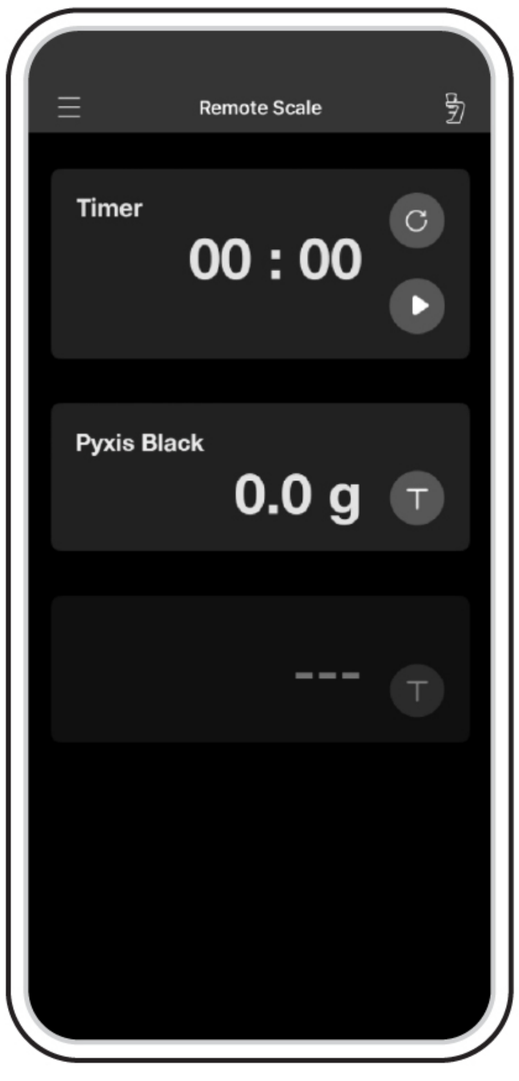
1 Ensure the Acaia Brewmaster App is updated to the latest version.

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

3 Tap [Select an Acaia Scale].







4 Turn on the Pyxis Black. It should appear in the Scale List. Tap to connect.

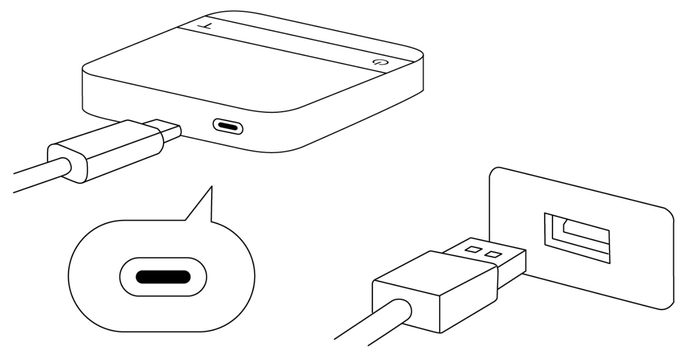
5 Connection completed.

6 Ready to use!

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 7 - 8 hours in Brewing Mode. It takes about 4 hours to fully charge. To maintain optimal battery health, avoid waiting until the battery is critically low before charging.

Charging Indicator

When the Pyxis Black is charging, the display will indicate the charging status depending on whether the scale is powered on or off. You can also check the exact battery level using the Brewmaster App.

When Scale Is on

When connected to a USB Type-C charger while the Pyxis Black is on, the word **CHARGING** will appear in the top-left corner of the display.

When Scale Is Off

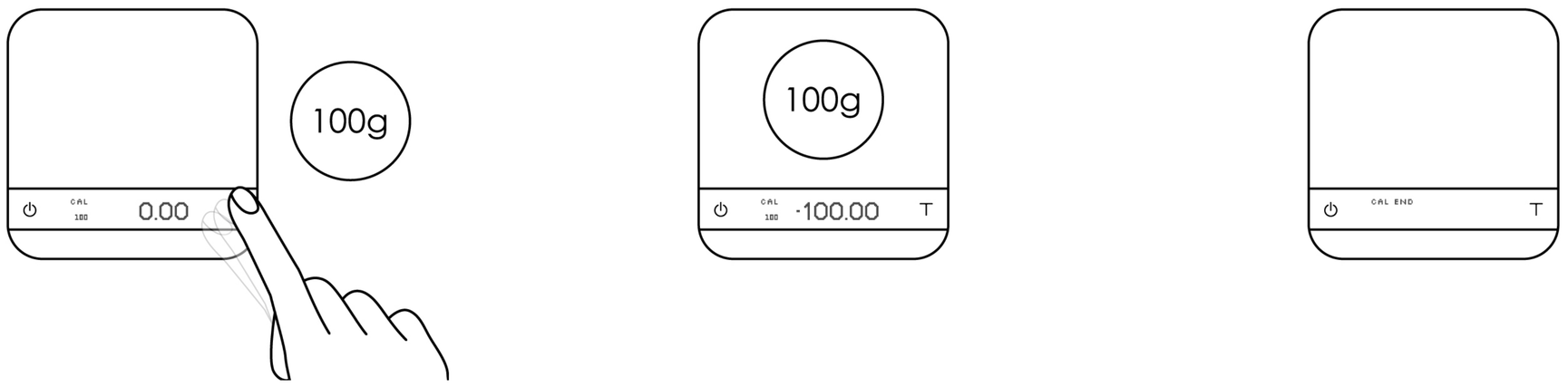
When the Pyxis Black is turned off and connected to a USB Type-C charger, a lightning icon will appear in the top-left corner of the display.

Note:

- The Pyxis Black cannot be used while it is charging.
- If charging is interrupted during use, press the Tare Button to resume normal operation after charging.
- Low Battery warning:
  - 30% is our lowest recommended battery level. While the device can still be used below this, we suggest you charge before reaching a lower percentage.
  - The warning repeats every 5 minutes when below 15%. At this point, the scale will automatically power off soon.
  - If the battery drops below 5% (for example, after long-term storage without charging), the scale may enter a weak state. Allow at least 8 hours of charging to fully recover.

Calibration

Switch the unit to grams and follow these steps to calibrate your Pyxis Black:



1 In any brewing mode not connected to the Umbra, quickly tap the Tare Button until **“CAL”** appears on the display.

2 Place a 100 g weight on the scale and wait.

3 When the display shows **“END,”** remove the weight. Your calibration is complete.

2.0.1

Note:

- Before starting calibration, set the Weight unit of the Pyxis Black to “gram”
- If you use weights other than Acaia Weights, we recommend standard F2 class 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.

Configuration

Setting	Options	Default
Brew History	Total Brews, Consumption-G, Avg Flow-rate	-
Pair Umbra	Pairing	-
Weighing Unit	Gram, Ounce	Gram
Beep	On, Off	On
Battery Saving	10 SEC, 30 SEC, Off	10 SEC
Sleep Timer	10 MIN, 20 MIN, 30 MIN, 50 MIN, Off	10 MIN
Auto-Reset Setting	10 SEC, 30 SEC, Off	30 SEC
Pre-infusion Time	10 SEC, 30 SEC, 60 SEC, 120 SEC	10 SEC
Weighing Resolution	Default, High	Default
Auto-Start Sensitivity	Off, 0.1, 0.2	Off
Zero Tracking	0.5 D, 1 D, 2 D, 3D, Off	1 D
Weighing Filter	Normal, Stable, Sensitive	Normal
Reset to Default	Yes, No	No
Firmware Update	Yes, No	No

Appendix

Firmware Update

To enter the Pyxis Black Firmware Update Mode, enter the Settings menu, select **FIRMWARE UPDATE**, and switch the option to **YES**. Your Pyxis Black will then enter Firmware Update Mode.

Reset the Device

1. [Press and hold] the Tare button when the Pyxis Black is on.
2. Plug in the USB Type-C cable.

Unpairing the Umbra Series With the Pyxis Black

To unpair the Umbra Series with the Pyxis Black. Press and hold the Umbra Series' Action Button for about 10 seconds while the Umbra Series is on. Release the button when the LED changes from blinking Blue ▬ to blinking Magenta ▬.

Reset To Factory Default

To reset the Pyxis Black to factory defaults, enter the Settings menu, select **RESET TO DEFAULT**, and switch the option to **YES**. Your Pyxis Black will then reset to its default settings
What gets reset:

- All mode customizations return to defaults
- Brew profile data is erased
- All user preferences are restored to factory settings

Error Codes

Error Code	Description
101	EEPROM error, unable to access memory. Please contact Acaia support.
303	Unable to find acceptable starting Zero point, most likely due to loadcell damage caused by excessive force or drop. Please contact Acaia support.
⌐‾‾¬	Overload: the weight is over the maximum capacity.
⌐__¬	Underload: the weight is under the minimum capacity

Troubleshooting

Stuck in Firmware Update Mode:
To exit Update Mode, press and hold the Power Button for 50 seconds until the device turns off. Afterward, you can try entering Firmware Update Mode again by following the instructions in the Appendix.

Specifications

Model	APS001
Product Weight	75 g ± 5 g
Product Dimensions	W: 65 mm L:65 mm H:13 mm
Maximum Capacity	500 g / 17.63 oz
Minimum Weight	0.01 g
Measuring Units	g / oz
Readability	0.01 g / 0.05 g / 0.001 g
Resolution	0.001 g
Repeatability	0.01 g / 0.05 g
Linearity	0.01 g / 0.02 g
Indication Limit	515 g / 18.16 oz
Power Supply	5 V / 500 mA
Battery	Lithium-ion rechargeable 3.7 V 350 mAh
Battery Life	7-8 hours
Display	OLED
Material	Aluminum, Acrylic
Connectivity	Bluetooth Low Energy 5.4
Warranty	2 Years
Inside the Package	Pyxis Black Coffee Scale x 1 Pyxis Black Carrying Case x 1 USB Type-C Charger Cable x 1 Acaia Calibration Weight 100 g x 1

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