MANTABREW

WeighMaster

User Manual

MATCH YOUR IDEAL LIFE.

Please read and follow all operating and maintenance instructions carefully before using.

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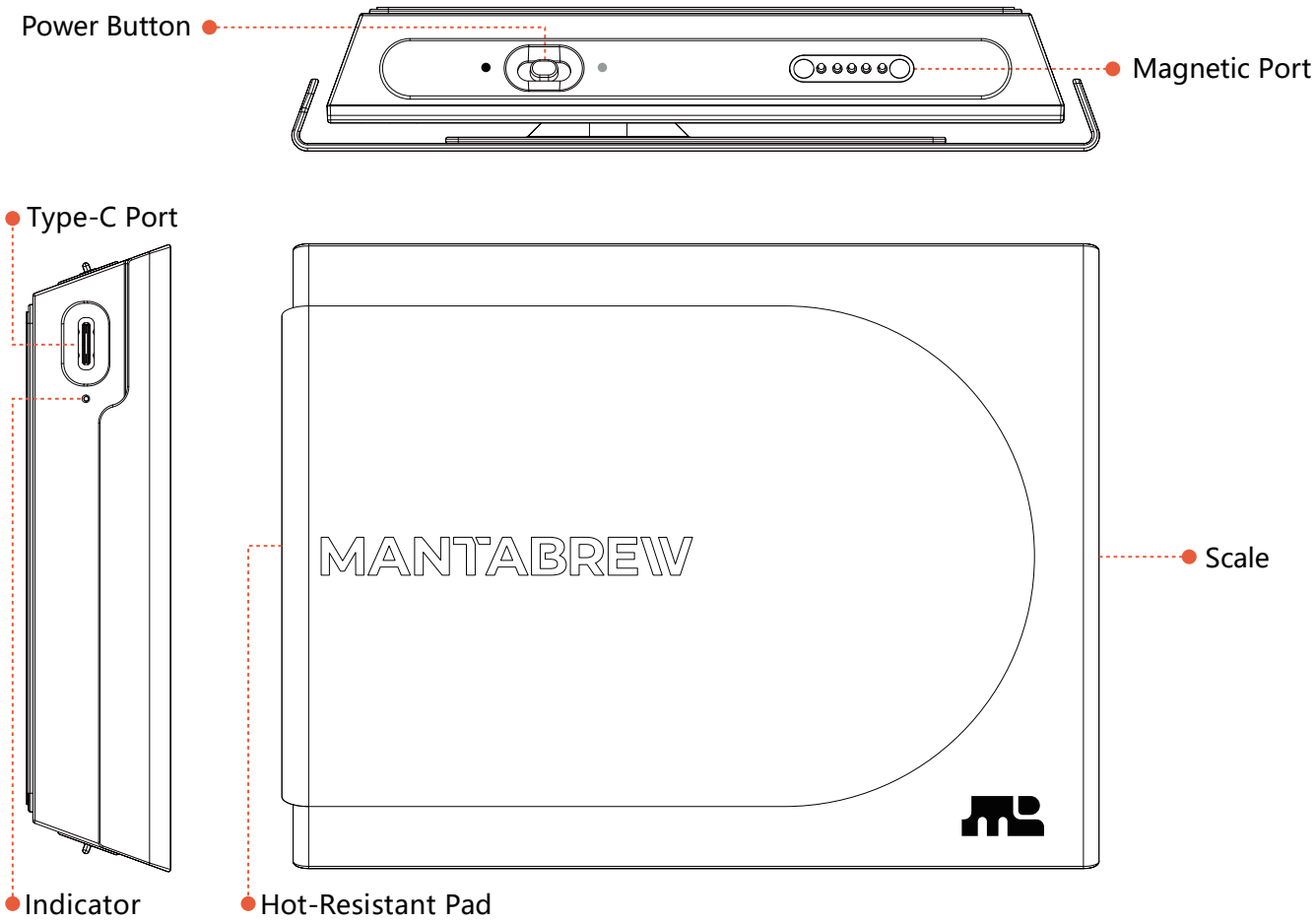
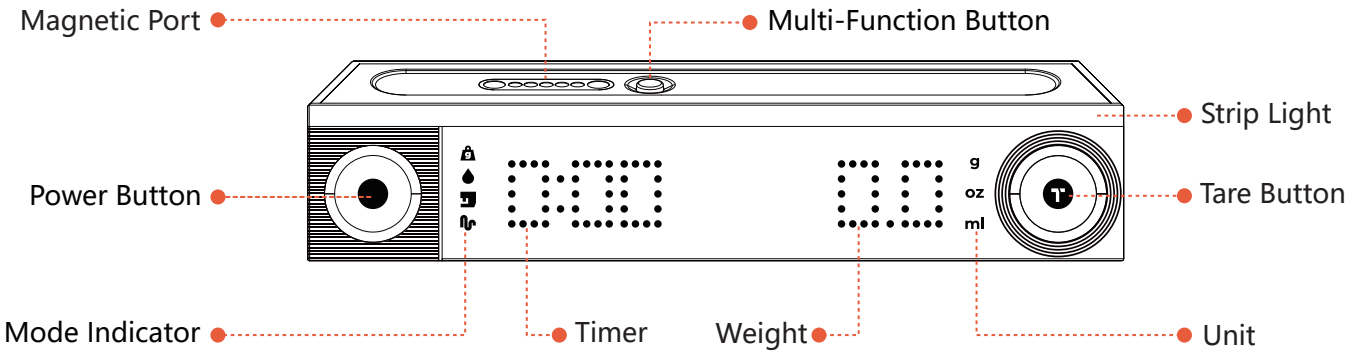
1. Product Display and Controls

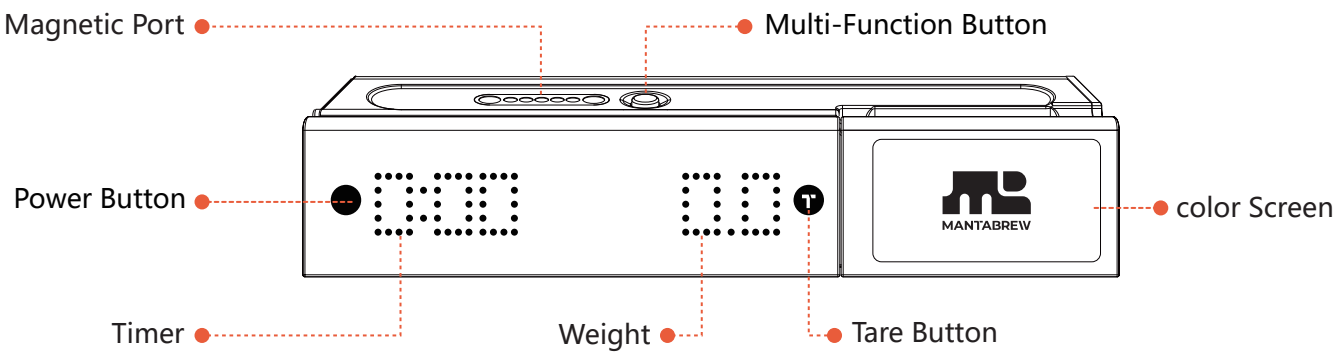
Scale



Module A

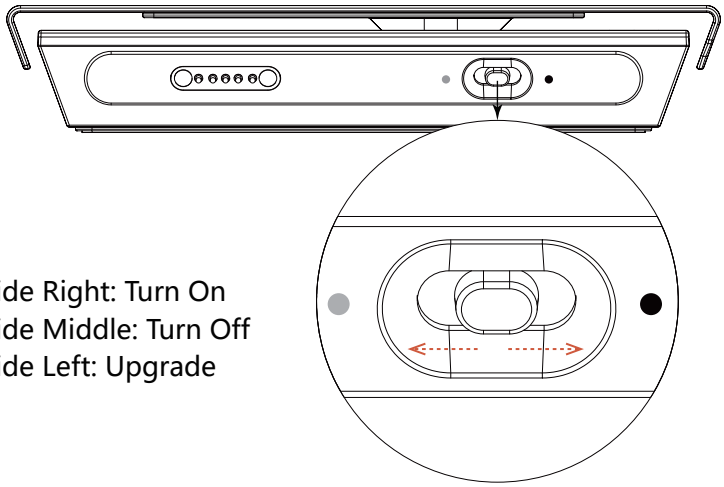


Module B

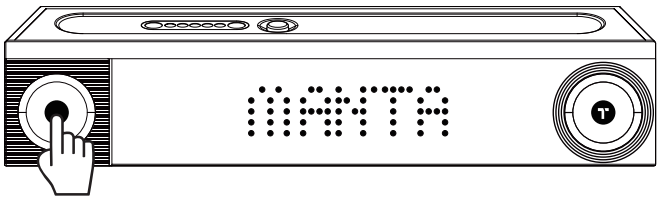


2. First Use Instructions

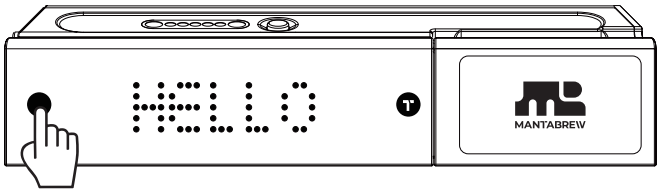
Power On/Off



- Slide Right: Turn On
- Slide Middle: Turn Off
- Slide Left: Upgrade



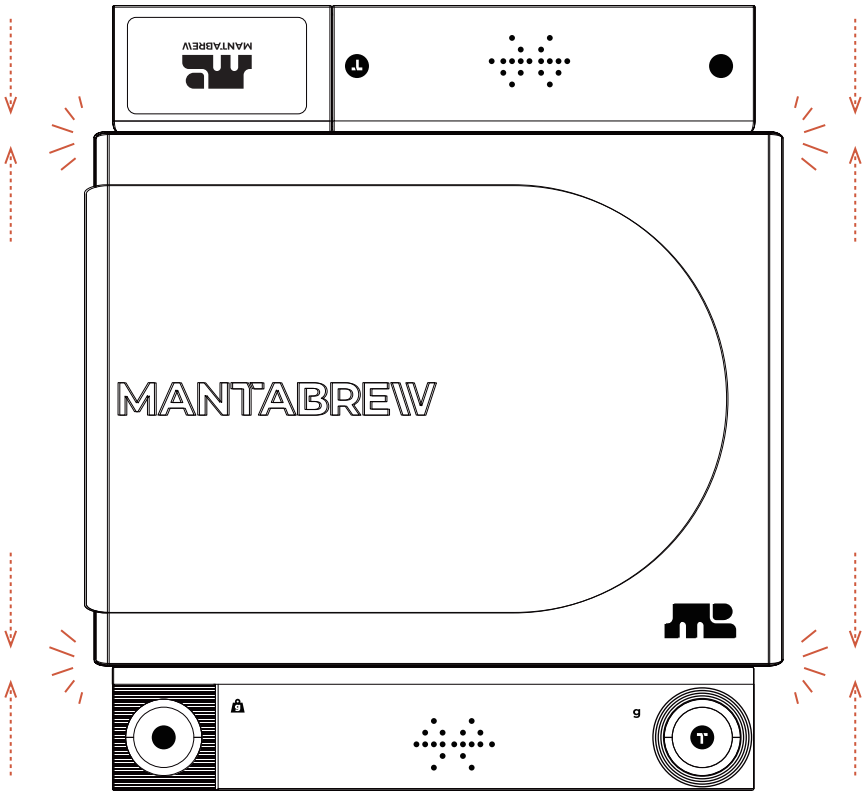
- Press and hold to power on/off



- Press and hold to power on/off

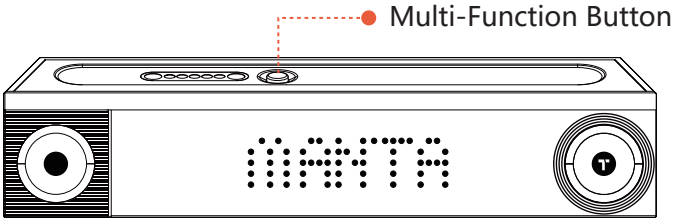
Pair with the Scale

Power on both the scale and the module. Attach the module to the scale, luetooth icon will appear on the module and the scale will emit a long beep, indicating that the pairing is successful and ready for use.



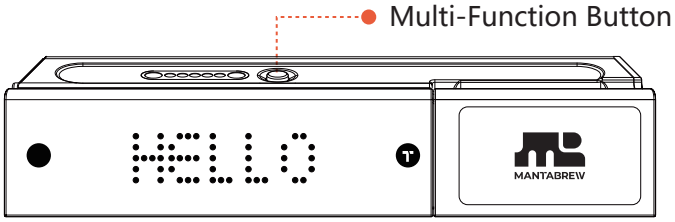
Muti-Functions Button

Module A



- Short press once: under Mode , turn on/off Strip light.
- Double press: enter/exit SYNC System.
- Long press 4s: restore the module and it needs to be paired again.

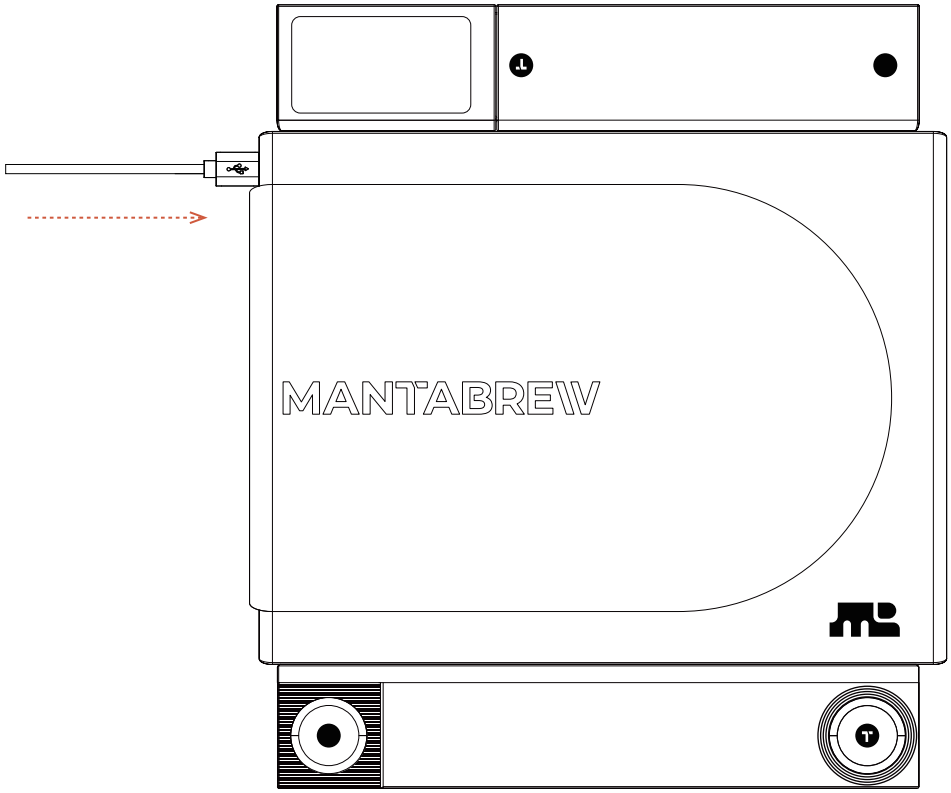
Module B



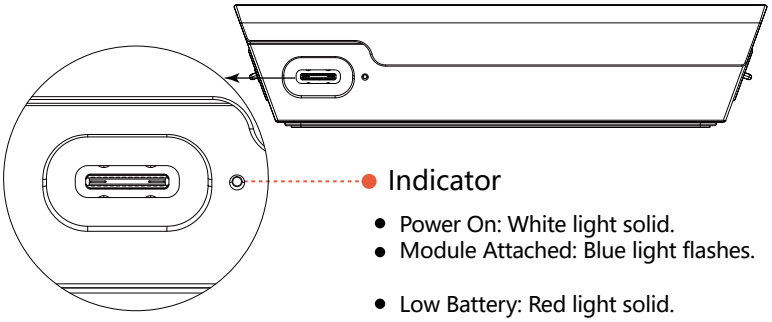
- Short press: flip the color screen to see the display.
- Double press : enter/exit the SYNC System.
- Long press 4s: restore the module and it needs to be paired again.

Charging

- The module can be magnetically attached to the scale, allowing both the scale and the module to charge simultaneously.
- It is recommended to use the official cable provided in the packaging for charging.



Indicator



Indicator

- Power On: White light solid.
- Module Attached: Blue light flashes.
- Low Battery: Red light solid.
- Charging: Low Battery: Red light flashes.
  Charging: Green light flashes.
  Fully Charged: Green light solid.

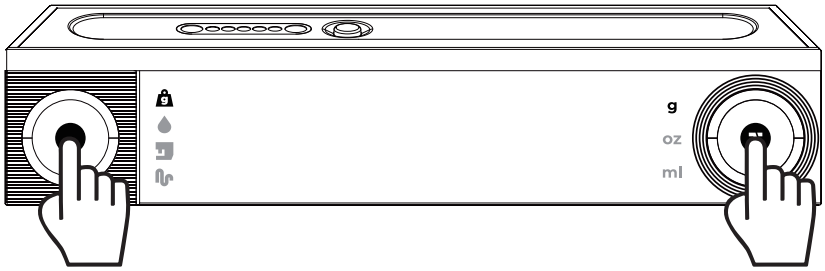
Auto Sleep Mode

- The scale will enter sleep mode if there is no weight detected for 10 minutes. The status light will turn off.
- It will quickly wake up when it detects a new weight.

Kindly Reminder:

- If the scale will not be used for an extended period, please power it off.
- To maintain battery health and prolong lifespan, it's recommended to charge the scale every two months.

3. Module A Operations



Power Button

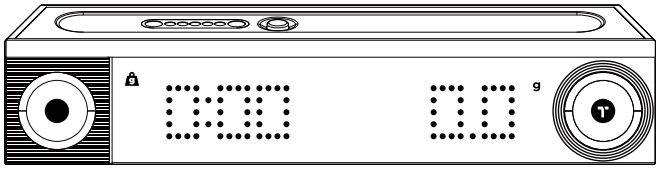
- Double-tap to switch modes (when not under timer)

Tare Button

- Single tap to tare
- Double-tap to restart the mode

Weighing-Timer Mode

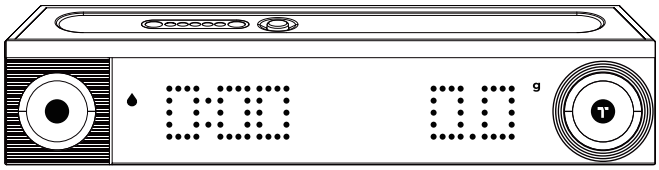
In this mode, Timer shows on the left side of the dot-matrix screen while weight shows on the right.



- **Operations:**
  - Single tap the Power Button to start/stop the timer. Double-tap to reset the timer.
  - Single tap the Tare Button to zero the weight.
  - Tap the Power and Tare Button at the same time to switch between units. (g/ml/oz)

Pour-Over Mode

This mode is designed to help users to brew pour-over coffee and collect brewing data. The moving strip light displays the current water flow rate, each LED grid represents 2 g/s.



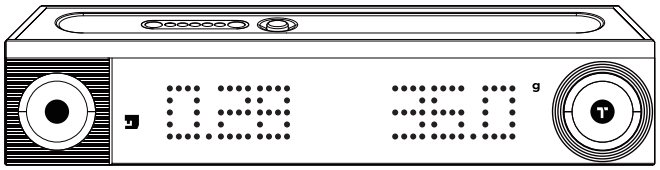
- **Operations:**
  - Single tap the Power Button to start/stop the timer. Double-tap to reset the timer.
  - Single tap the Tare Button to zero the weight.
  - Double-tap to restart the mode.
  - Tap the Power and Tare Button at the same time to switch between units. (g/ml/oz)

- **Functionality:**

1. Tare function will be activated automatically when a brewing container is detected.
2. The timer will start automatically when water pours are detected.
3. When the brewing process is done and the brewing container is removed from the scale, the total brewing time and water weight will be displayed. Double-tap the Tare Button to restart the function.

Espresso Mode

This mode is designed to assist in making espresso quickly and collect brewing data.
This mode includes two small stages: Portafilter Weighing Stage & Extraction Stage. (Single tap the Power Button to switch from Portafilter Weighing Stage to Extraction Stage)



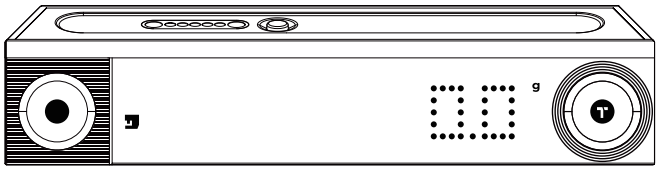
- **Operations:**

- Single tap the Tare Button to zero the weight.
- Double-tap the Tare Button to restart the mode
- Tap the Power and Tare Button at the same time to switch between units. (g/ml/oz)

- **Functionality:**

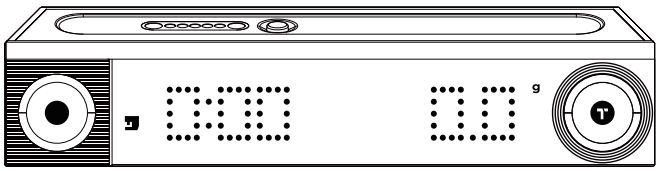
Portafilter Weighing stage

In Portafilter Weighing Stage, only the weight will be displayed. Place the empty portafilter on the scale, the tare function will be activated automatically. Place the portafilter with coffee grounds on the scale again to confirm the weight of the coffee grounds.



Extraction Stage

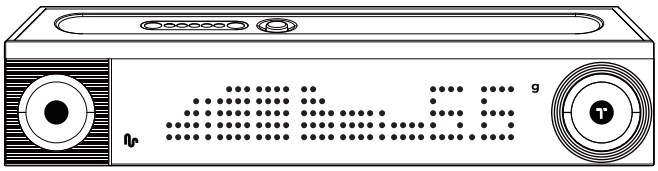
1. Tap the Power Button to switch from Portafilter Weighing Stage to Extraction Stage. When weight is detected, the tare function will be activated automatically.



2. Timer will start automatically when extraction begins and stop when extraction ends. (In this mode, manual start or pause of the timer is not possible)
3. When the brewing process is done and the coffee cup is removed from the scale, total brewing time and the weight of the espresso will be displayed. It will switch back to Portafilter Weighing Stage automatically after a few seconds.

Flow Practice

This mode is used to practice the stability of water poured during brewing.



- **Operations:**
  - Double-tap the Tare Button to restart the mode.

- **Functionality:**

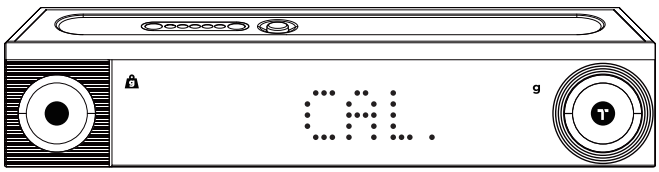
  Each grid in the vertical coordinate represents water flow rate of 3g/s on the left, while the number on the right displays the current water flow rate. In this mode, the unit is g/s by default.

Calibration

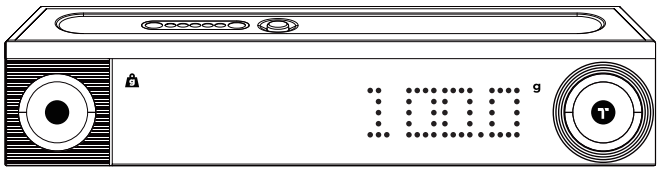
Kindly reminder that you need to prepare 100g of standard weight. If you enter this mode by error, please long press the Power Button to exit immediately and shut down the scale. Calibrate your scale using calibration weight of the appropriate tolerance (class). A scale can be no more accurate than standard masses to which it has been compared.

- **Operation:**

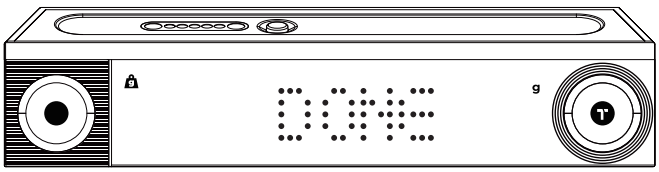
1. In Weighing-Timer Mode, tap Power Button and Tare Button at the same time until the dot-matrix screen displays " CAL. " To enter into the Calibration mode.



2. Wait after the beep sound to place a 100g standard weight.

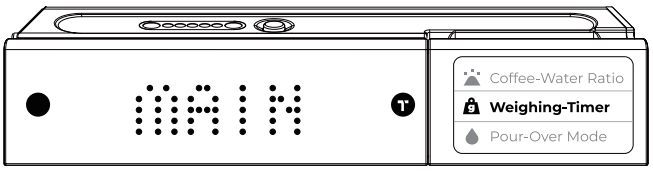


3. When the dot-matrix screen shows" DONE "icon, remove the weight and calibration is complete.

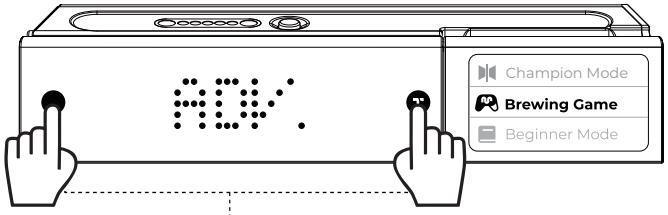


4. Module B Operations

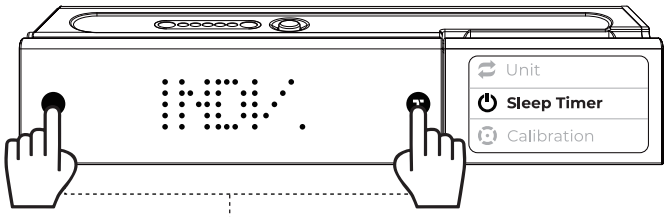
Switching Menus



- In initial setup, turn on and enter the menu interface.

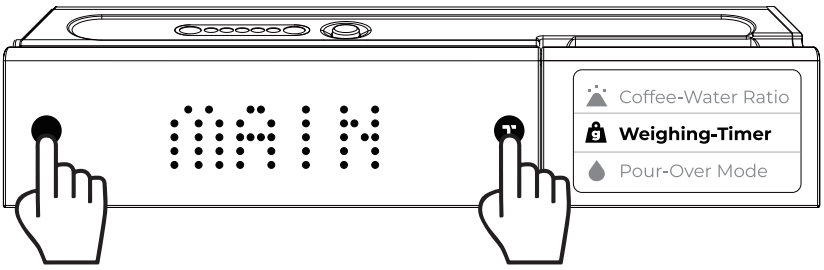


- In the menu interface, tap the Power Button and Tare Button at the same time to enter/exit ADV. menu.



- In the menu interface, press and hold for 1s to enter/exit INDV. menu.

MAIN Menu



Power Button

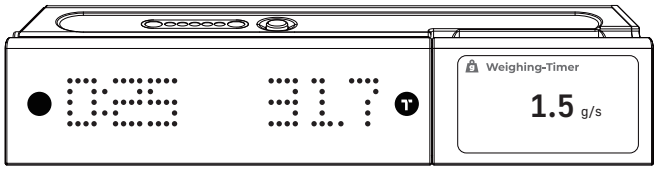
- Single tap to switch modes
- Double-tap to exit mode

Tare Button

- Single tap to enter mode

Weighing-Timer Mode

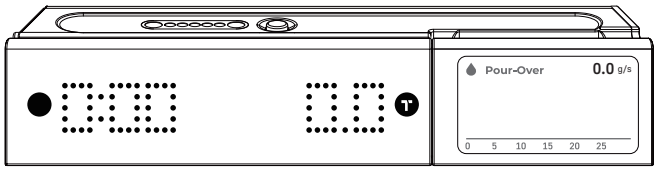
In this mode, the Timer shows on the left side of the dot-matrix screen while the weight shows on the right. The color screen shows the current flow rate.



- **Operations:**
  - Single tap the Power Button to start/stop the timer. Double-tap the Power Button to reset the timer.
  - Single tap the Tare Button to zero the weight.

Pour-Over Mode

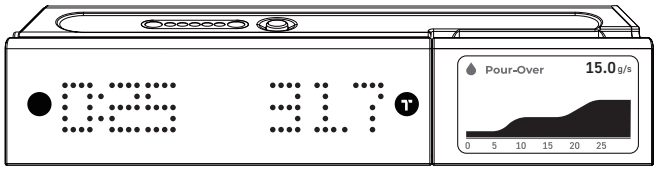
This mode is designed to help users to brew pour-over coffee and collect brewing data.



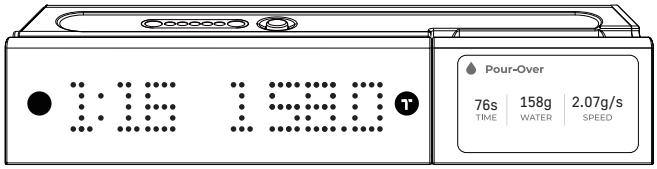
- **Operations:**
  - Single tap the Power Button to start/stop the timer. Double-tap to reset the timer.
  - Single tap the Tare Button to zero the weight.
  - Double-tap the Tare Button to restart the mode .

- **Functionality:**

1. Tare function will be activated automatically when a brewing container is detected.
2. The timer will start automatically when water pours are detected.
3. During the brewing process, the color screen displays water flow rate and real-time brewing curve.

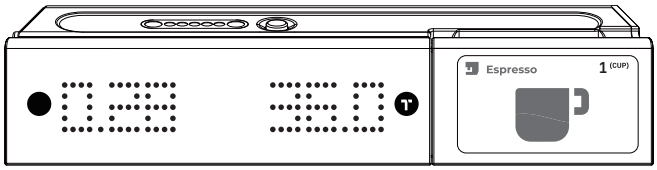


4. When the brewing process is done and the brewing container is removed from the scale, the dot-matrix screen will display the total brewing time and water weight, and average water flow rate. Double-tap the Tare Button to restart the function.



Espresso Mode

This mode is designed to assist in making espresso quickly and collect brewing data.
This mode includes two small stages: the Portafilter Weighing Stage & Extraction Stage. (Single tap the Power Button to switch from the Portafilter Weighing Stage to the Extraction Stage)



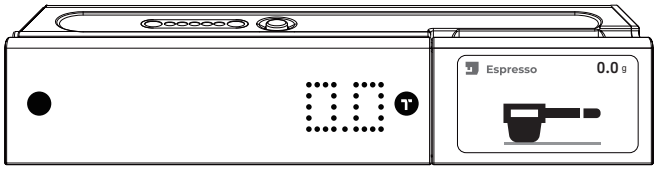
Operations:

- Single tap the Tare Button to zero the weight.
- Double-tap the Tare Button to restart the mode
- Triple-tap the Tare Button to re-record the number of cups.

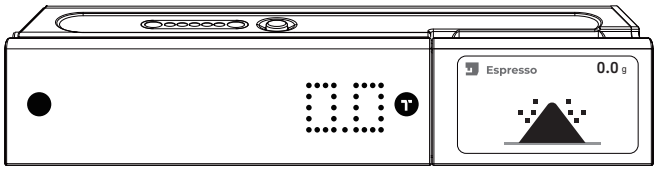
Functionality:

Portafilter Weighing Stage

1. In the Portafilter Weighing Stage, only the weight is displayed. When the portafilter icon appears, place an empty portafilter on the scale, and the tare function will be activated automatically.

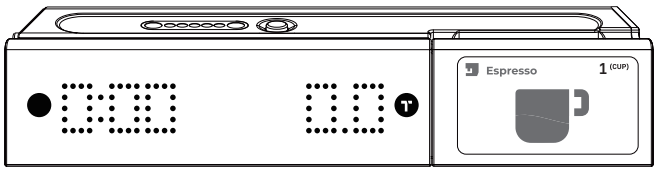


2. When the coffee ground animation appears, place the portafilter with coffee grounds and confirm the weight.



Extraction Mode

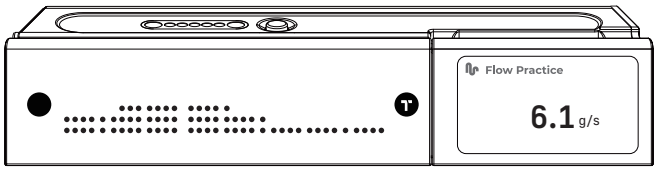
1. Tap the Power Button to enter the Extraction Stage from the Portafilter Weighing Stage. The dot-matrix screen will prompt you to place the coffee cup with an empty cup waiting icon. When weight is detected, the tare function will be activated automatically.



2. The Timer will start automatically when extraction begins and stop when extraction ends. (In this mode, manual start or pause of the timer is not possible)
3. When the brewing process is done and the coffee cup is removed from the scale, the total brewing time, the weight of the espresso, and number of cups made will be displayed. It will switch back to the Portafilter Weighing Stage automatically after a few seconds.

Flow Practice

This mode is used to practice the stability of water poured during brewing.



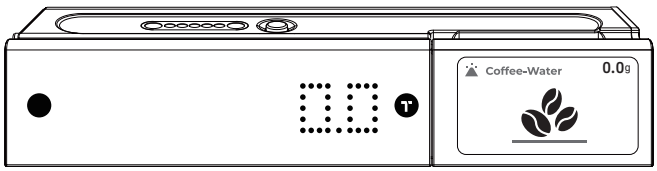
- **Operations:**
  - Double-tap the Tare Button to restart the mode.

- **Functionality:**

  The left screen shows the water flow rate, each LED litgh represents 3g/s, the right screen shows the current water flow rate. In this mode, the unit is g/s by default.

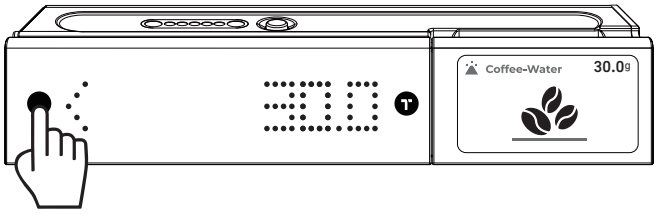
Coffee-Water Ratio Mode

This mode helps to make pour-over coffee by calculating the ratio between the coffee grounds' weight and the target brewing water volume.

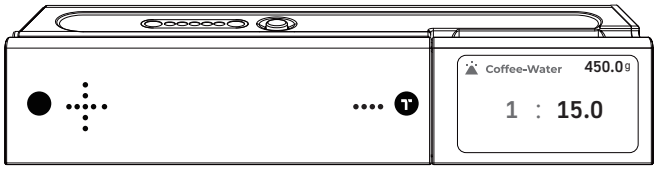


- **Operations:**

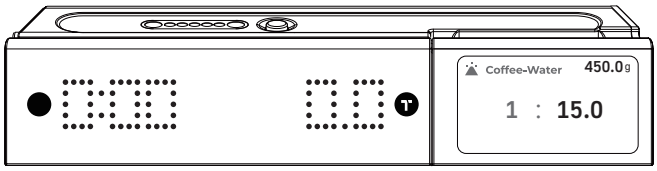
1. Add coffee beans/grounds (10g to 40g), follow the arrow, and tap the Power Button to set ratio.



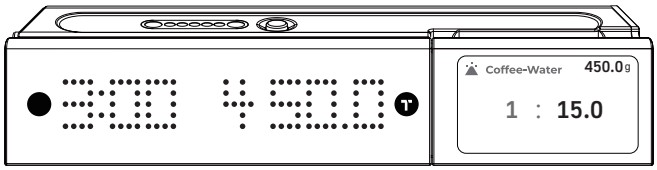
2. Tap the Power Button to increase and thr Tare Button to decrease the ratio. The color screen will display both the corresponding ratio and required water volume. Press both the Power Button and Tare Button at the same time to proceed to the next step.



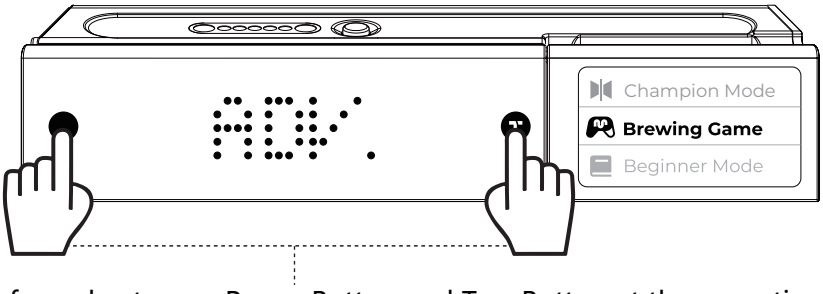
3. During the brewing process, the dot-matrix screen displays time and weight, while the color screen shows the target water volume and the current ratio.



4. When the brewing container is detected, the tare function will automatically be activated. The timer will automatically start when water flow is detected. You can manually start or pause the timer by tapping the Power Button. Double-tap the Tare button to restart the brewing process and double-tap again to restart the mode.



Advanced Menu



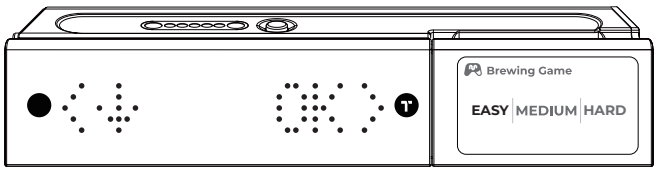
- In the menu interface, short press Power Button and Tare Button at the same time to switch to enter/exit ADV. menu

Brewing Game

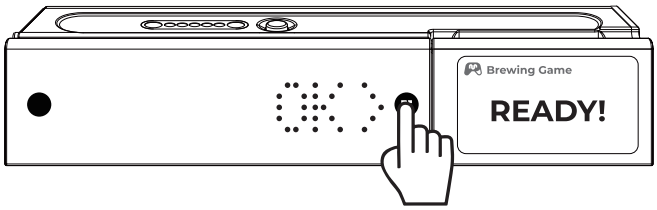
Maintain the balance of the small pixel by pouring steady water flow without hitting the walls for 30 seconds to win the game. There are 3 difficulty levels in this mode, the higher difficulty, the more stable water flow is required.

- **Operations:**

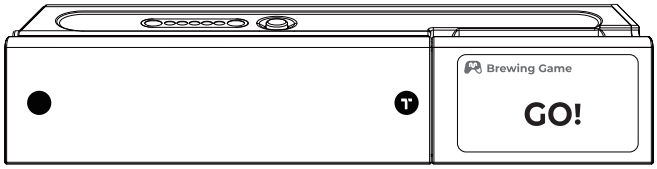
1. In this mode, tap the Power Button to select the difficulty level. Tap the Tare Button to confirm and proceed to the next step.



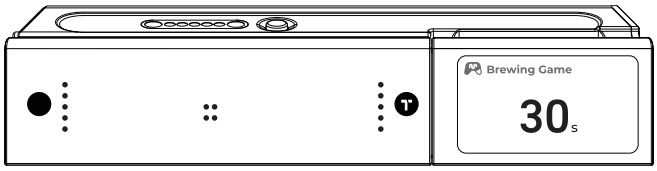
2. Place the brewing container on the scale, tap the Tare Button to confirm and start the game.



3. Start the game when the color screen shows "GO!" by powering water in.



4. Maintain the balance of the small pixel by pouring steady water flow without hitting the walls for 30s to win the game. When you are finished, double-tap the Tare Button to restart the game.

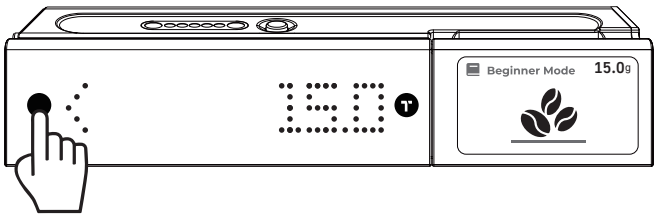


Beginner Mode

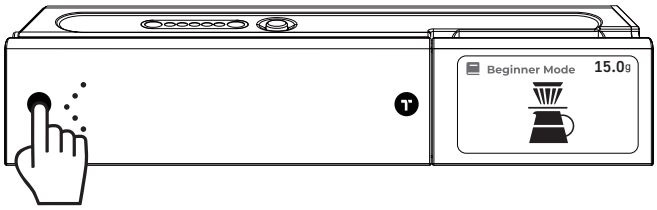
This mode contains a 3-stage brewing method to make a perfect coffee. The color screen will guide you through each step for the target water volume and time.

- **Operations:**

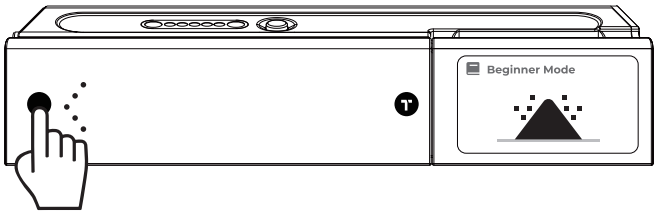
1. Weigh 15g coffee beans first, follow the arrow in the dot-matrix screen and tap the Power Button to proceed to the next step. (if you haven't weighed enough coffee beans, you won't be able to proceed)



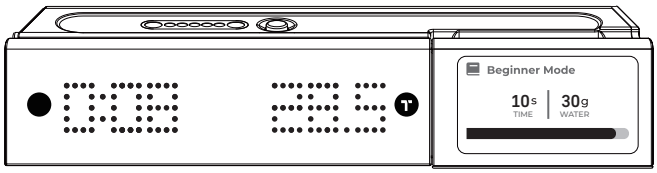
2. Follow the pour over pot icon, place the dripper/ coffee pot on the scale. Tap the Power Button to proceed to the next step.



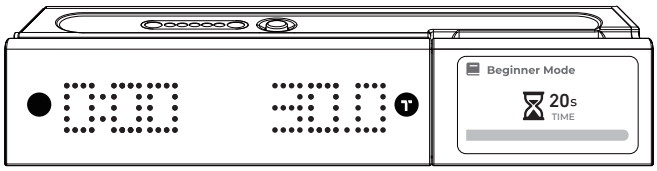
3. Pour in the coffee grounds and tap the Power Button to proceed to the next step.



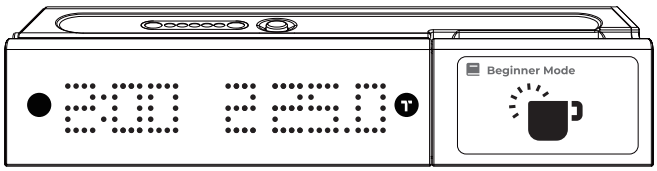
4. Start the first stage of brewing. Following the color screen, pour in 30g water within 10s. When water flow is detected, the timer will automatically start. (Double-tap the Tare Button to restart this brewing stage, double tap again to restart this mode)



5. When the countdown animation appears, stop pouring in more water and wait for the 20s countdown to finish, then start the next stage brewing. There are three brewing stages in this mode, please repeat the above steps



6. After completing the three brewing stages, the dot-matrix screen will automatically summarize total brewing time and total water used. Double tap the Tare Button to restart this mode.

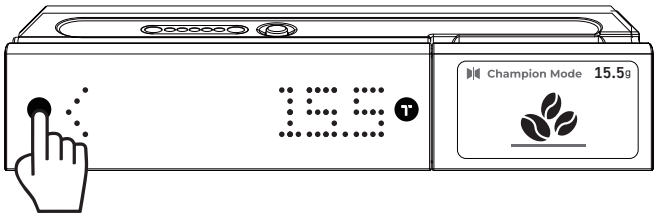


Champion Mode

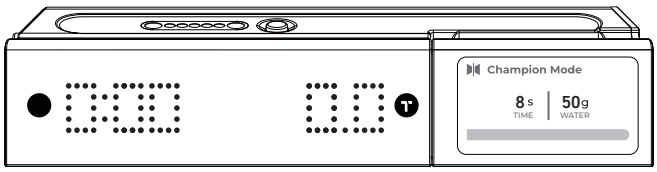
The brewing method is inspired by the techniques used by World Brewers Cup champions. By following the guided steps, you can also brew a champion-level cup of pour-over coffee.
Please prepare 15.5g of coffee grounds and 250g of water. In this mode, the color screen will display the target water volume and time in each stage. (We recommend using a high-flow dripper)

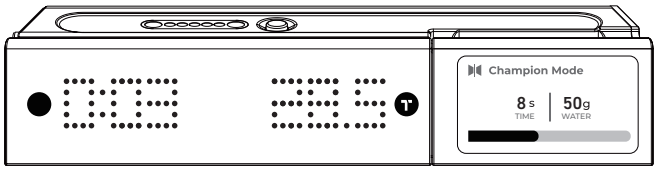
• Operations:

1. Prepare 15.5g of coffee beans. Follow the arrow in the dot-matrix screen and tap the Power Button to enter into the brewing process. (if the weight requirement is not reached, it won't be able to proceed to the next step)

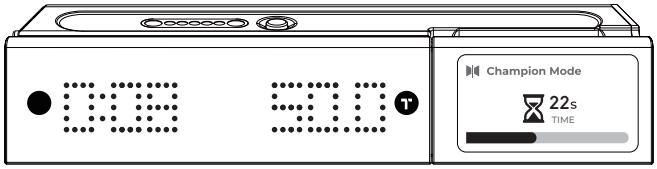


2. Start the first brewing stage: the color screen will prompt you to pour in 50g of water within 8s, when water flow is detected, the timer will automatically start. (Double-tap the Tare Button to restart this brewing stage, double-tap again to restart this mode)

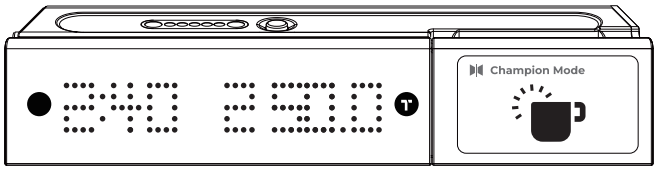




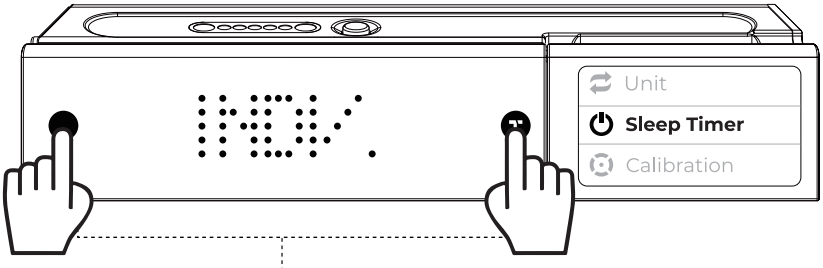
3. When the countdown animation appears, stop pouring in more water and wait for the 22s countdown to finish, then start the next stage brewing. There are five brewing stages in this mode, please repeat the above steps.



4. After completing all five brewing stages, the dot-matrix screen will automatically summarize total brewing time and total water used. Double-tap the Tare Button to restart this mode.



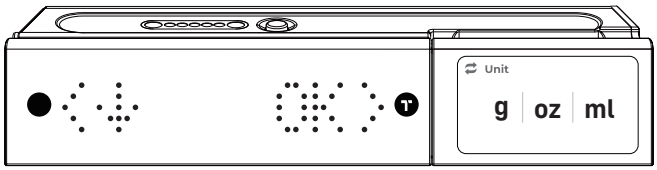
INDV. Setting



- In the menu interface, press and hold for 1s to enter/exit INDV. menu.

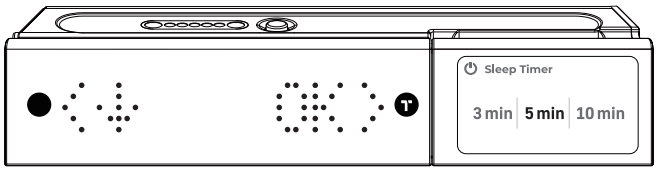
Unit Switching

In this mode, tap Power Button to switch unit, tap Tare Button to confirm.



Sleep Timer

In this mode, tap the Power Butoon to select the desired automatic sleep time, tap Tare Button to confirm.

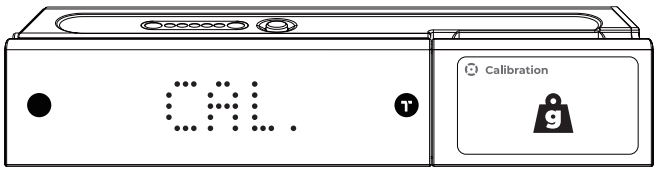


Calibration

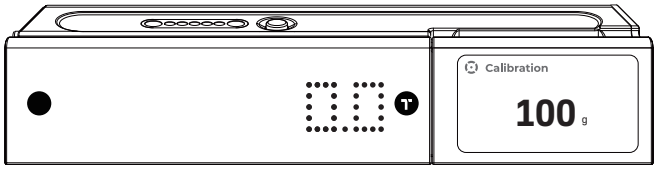
Kindly reminder that you need to prepare 100g of standard weight. If you enter this mode by error, please double-tap the Power Button to exit immediately and shut down the scale. Calibrate your scale using calibration weight of the appropriate tolerance (class). A scale can be no more accurate than standard masses to which it has been compared.

- **Operations:**

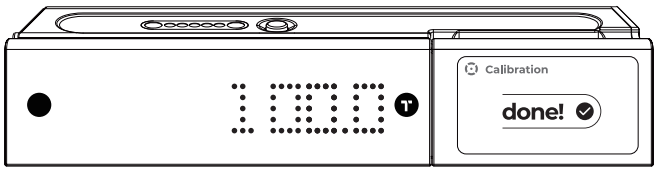
1. Enter this mode, the dot-matrix screen will display CAL.



2. Please wait for the weight shows in the dot-matrix screen is zeroed, place a 100g standard weight following the color screen.

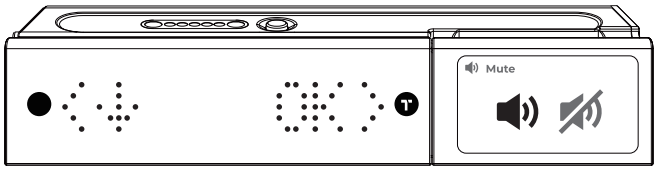


3. The scale will calibrate automatically and return to the settings menu once calibration is complete and shown "DONE" in the color screen.



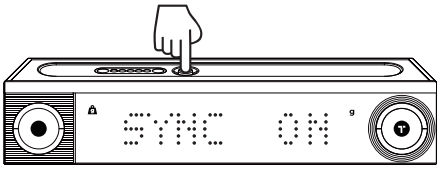
Mute

Enter this mode, tap the Power Button to select enable or disable mute function, tap the Tare Button to confirm.

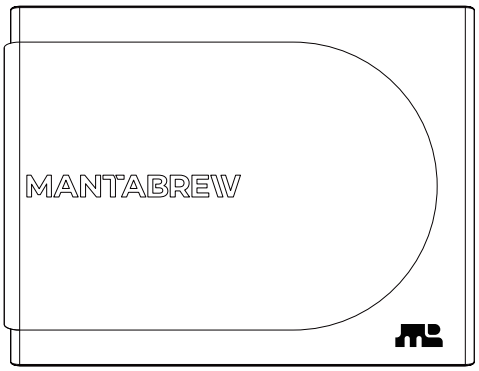


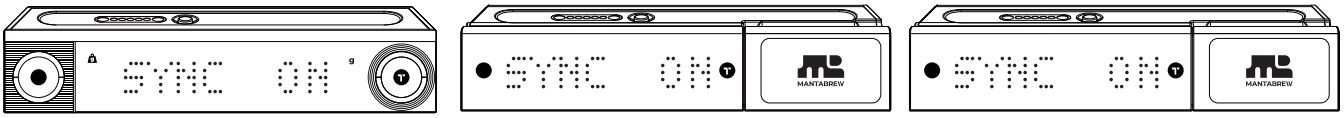
5. Sync Mode

The Sync Mode is designed to share data simultaneously for pour-over coffee with judges and audience. In Sync Mode, there are two modes available: Weighing-Timer Mode and Pour-Over Mode. Once in the Sync mode, you can only operate Initiator Module, the functionality in the Follower Module will be disabled.



Initiator Module (only one module)





Follower Module 1, Module 2, Module 3 (support multiple modules sychornize at the same time)

- **Operations:**
  Kindly Reminder that all modules and the scale that enter the SYNC system needs to be paired and fully charged.

Entering/Exiting SYNC System

- Initiator Module: Double-tap the multi-function button, the dot matrix screen will display "SYNC ON" or "SYNC OFF", indicating that the modules has been activated and disactivated.
- Follower Module: When in the SYNC System, double tap the multi-function button to exit from the mode

Switching between Modes

- Double tap the power button on the Initiator Module, all Follower Modules will switch mode synchronously.
- In SYNC System, there are two modes available: Weighing-Timer Mode & Pour-Over Mode.

6. Maintenance and Care

- This scale is intended for indoor use and place it on a level surface for optimal performance.
- Choose a stable, vibration-free, and electromagnetically interference-free environment for optimal operation.
- Do not locate the scale near any equipment/instrument which contains magnets.
- Avoid places where room temperatures are unstable. Room temperature above 40℃ or below 15℃ may result in weighing inaccuracy
- Please promptly wipe and clean the scale surface to keep it dry and clean. This helps maintain the accuracy of the scale.
- Battery Health
  - It takes 2-4 hours to fully charge the battery（It depends on whether you are charging the scale alone or charging both the module and the scale simultaneously）. You can charge the battery more frequently so that it will never run out of charge.
  - It is not recommended to let the battery run out completely before charging.

  *Please note: A fast charging or charging hub (over 5v at 1A) could damage your scale circuit board.

7. CAUTION: ⚠

- Do not place any hot object directly on the weighing pan. Please use a heat-resistant pad under hot objects.
- Do not immerse the product in water or rinse it directly. Ensure the Type-C charging port and magnetic port remain dry to prevent malfunction.
- Any modification made without the consent of the manufacturer may result in damage to scale.
- Do not disassemble or attempt to repair the product yourself. If the power cord or other parts are damaged, only replace them with original components to avoid any safety risks.
- This product contains a rechargeable battery. Do not throw it into fire, or charge, use, or store it near high-temperature surfaces.
- Avoid dropping or striking the product. If the product is damaged due to impact or dropping, stop using it immediately.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
•Reorient or relocate the receiving antenna.
•Increase the separation between the equipment and receiver.
•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•Consult the dealer or an experienced radio/TV technician for help.
Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

RF Exposure Information
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.