



Instruction manual for electronic scales

Modu-A

WeighMaster ECS-A Instruction



Operation Buttons	Function	Operation Instructions
 電源鍵 (左鍵)	Power On/Off	Long Press 1s to Turn On/Off Module
	Start/Pause Timing (Timing State)	Single Click to Start/Pause Timing
	Reset Time (Timing State)	Double Click to Reset Time
	Switch Mode (Module A)	Double Click to Switch Mode
 歸零鍵 (右鍵)	Zeroing	Single click to zero the weight
	Switch Unit	Long press 1s to switch weight units, g/ml/oz
	Reset Mode	Double click to reset the current mode. Time, weight, and other related parameters will be reset to zero
Module A Reset Button	Turn On/Off Light Bar	Single click to turn on/off the light bar
	Enter/Exit Synchronization Mode (Used with Multiple Modules)	Double click the reset key to enter/exit synchronization mode, at this time the dot matrix screen will display SYNC. And connect to control other modules belonging to the same scale
	Shutdown & Initialize	Long press 4s to shutdown & initialize the module

Introduction to Standard Mode

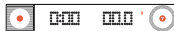
Function	Operation Instructions
Switch Mode	Double click the left button to switch to the next mode
Reset Current Mode	Double click the right button to reset the current mode

Weighing-Timer Mode

This mode is the initial mode, with the time displayed on the left side of the dot matrix screen and the weight on the right side.

Operation Steps:

- Single click the left button to start/pause the timing, double click to reset the timing.
- Single click the right button to zero the weight, long press the right button to switch units between g/ml/oz.

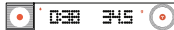


Pour-Over Mode

This mode is designed to help users brew a delicious cup of hand-poured coffee.

Operation Steps:

- The pour-over indicator light blinks, signaling that you can start pouring water for brewing
- The timer automatically starts when the weight is detected

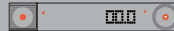


Portafilter Tare Mode

This mode is designed to assist baristas in automatically remembering the weight of the handle and directly displaying the weight of the coffee powder.

Operation Steps:

- The handle indicator light blinks, signaling to place the espresso handle (without coffee powder) on the scale
- After placing it for 1 second, the weight of the handle will be recorded and automatically zeroed
- Once the handle is filled with coffee powder and placed again, the weight of the powder will be directly displayed



Espresso Mode

This mode is used in conjunction with an espresso machine to help create a cup of espresso with perfect proportions.

Operation Steps:

- The espresso indicator light blinks. After placing a cup on the scale for 1 second, it will automatically zero
- Wait for extraction. The timer automatically starts when it detects the espresso dripping
- The timer stops when the extraction is finished. After the cup is removed, the mode automatically resets



Flow Practice Mode

This mode is used to practice the stability of the water flow during brewing. Each grid on the left vertical coordinate represents a water flow rate of 3g/s, and the right side displays the water flow rate.

Operation Steps:

- The mode automatically starts when water flow is detected, and it dynamically displays the water flow effect based on the brewing speed



FAQ

- Q: How can the product be calibrated for weight?
A: Simultaneously single-click the buttons on both sides of the module three times. The buzzer will sound continuously and display "CAL." blinking. Wait until the buzzer has sounded continuously, then place a 500g weight and leave it stationary. Once the dot matrix screen shows 500g, the calibration is complete, and the weight can be removed.
- Q: How to turn on/off the product's flowing light?
A: Short press the reset button on the side of the module to turn on/off the flowing light effect.
- Q: Can the modules A/B be powered independently?
A: Yes, the modules A/B have their own lithium batteries, supporting long-term, separate use when detached.
- Q: Can the modules A/B be connected magnetically?
A: Yes, the bottom and sides of the modules are equipped with magnets, allowing them to connect to the scale body and coffee machines.
- Q: How long before the product automatically enters sleep mode?
A: The product will automatically enter sleep mode after 5 minutes of inactivity. If a weight change is detected, it can automatically wake up after 3 seconds.
- Q: What is the meaning of the synchronized display function?
A: This function is used for demonstration purposes. In the case of multiple modules, the modules that enter the synchronized display mode will enter a synchronized control state and connect to other modules belonging to the same scale unit. At this time, the nearby controlled modules will display in synchronization according to the operation of the main module.

After-Sales Service

- email: mantabrew.coffee@gmail.com
- website: <https://mantabrew.com/>
- warranty service: 質保12



悅幾科技（香港）有限公司

mantabrew.com

WEIGHMASTER

Introduction to Coffee Scales

MATCH YOUR IDEAL LIFE.

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#Before Using the Coffee Electronic Scale#

First-Time Use



ps:The scale body and modules can be charged together. Use an AC charger with a USB interface.Full charge takes 1-2 hours. A full charge supports approximately 24 hours of continuous use.

Display indicators

#	Prompt to add coffee beans '8g-40g'	LOW	Indicates battery level is below 15%
↓	Single click the button to switch to the next option	Q	Indicates the battery is charging
OK	Long press the button for 1 second to confirm settings	FULL	Indicates the battery is fully charged
<	Prompt to single click to proceed to the next step	STD.	Standard Mode: Weighing-Timer Mode, Pour-Over Mode, Portafilter Tare Mode, Espresso Mode, Flow Practice Mode, Ratio Mode (Module B)
ADV.	Advanced Mode(Module B): Brewing Game Mode, Beginner Mode, Mirror-Brewing Mode	INDV.	Individual Mode(Module B): Sleep Timer Setting, Auto Calibration, Mute, Brightness
SYNC	Synchronized Display Mode: Double-click the reset button to enter/exit the synchronization mode. At this time, the dot matrix screen will display SYNC and connect to control other modules belonging to the same scale body	CAL.	Weighing Calibration Prompt: Wait for CAL. After the blinking stops, place a 500g weight on the scale surface

Product Specification

- Model: ECS-1
- Dimensions: Scale body: 100mm*128mm*21mm
Modules A/B: 120mm*30mm*18mm
- Weight: 435g
- Max weight: 2000 g / 70.55 oz
- Min weight: 0.1g
- Units: g /ml/oz
- Charging power: 5 V / 500 mA
- Standby time: Over 45 days
- Battery (Rechargeable lithium 3.7V)
- Scale body:1500 mAh
- Module A: 500 mAh
- Module B: 500 mAh
- Material: Plastic + Metal
- Display: LED/TFT (module B)
- Wireless: BLE
- Bill of Materials: WeighMaster Smart Coffee Scale main body x 1/Detachable display module x 1 or 2/Calibration weight x 1/Insulation pad x 1/Charging cable x 1

Safety Precautions

- Avoid water: Keep the scale away from excessive water or liquids. Dry immediately if liquids splash on the charging part.
- Stable placement: Place the scale on a stable and solid surface. Avoid using it on inclined or unstable surfaces.
- Weight limit: Do not exceed the scale's maximum weight limit to avoid damaging the sensors.
- Impact prevention: Protect the scale from strong impacts or falls, which can cause inaccuracy or damage.
- Battery and charging: Use original chargers and batteries as instructed. Avoid third-party products.
- Cleaning and storage: Wipe with a clean cloth and store in a dry place, away from direct sunlight.

FAQ

- Q: How do the modules and the scale body connect via Bluetooth pairing?
A: The modules can automatically complete pairing with the scale body once they are connected through the pogopin interface.
- Q: Can the modules A/B be powered independently?
A: Yes, the modules A/B have their own lithium batteries, supporting long-term, separate use when detached.
- Q: Can the modules A/B be connected magnetically?
A: Yes, the bottom and sides of the modules are equipped with magnets, allowing them to connect to the scale body and coffee machines..
- Q: How long before the product automatically enters sleep mode?
A: The product will automatically enter sleep mode after 5 minutes of inactivity. If a weight change is detected, it can automatically wake up after 3 seconds.

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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.