

Sandbox Smart R2 Coffee Bean Roaster



Thank you for purchasing this product!
Enjoy the beautiful life brought by our
smart coffee bean roaster.

Scan and download the Sandbox Smart App.



Product description

This is a bean roaster with a 200g~550g capacity, featuring a complete bean-viewing window combined with a patented automatic bean output design. The mobile phone APP is easy to operate, preserving the natural flavor of coffee. It is integrated with automatic light/medium/dark roasting modes, as well as automatic/manual modes, where the damper/power/rotating speed can be adjusted manually to roast good, flavored coffee beans with ease.

Product Specifications

Brand: Sandbox Smart

Coffee bean roaster model No: Sandbox Smart R2

Roasting capacity: 200g~550g

Heating method: Electric heating approach

Voltage: AC 100-120V (50/60Hz) AC 220-240V (50/60Hz)

Power: 900W

Rotating speed: 90rpm

External dimensions: L x W x H 38.0*27.5*32.8cm

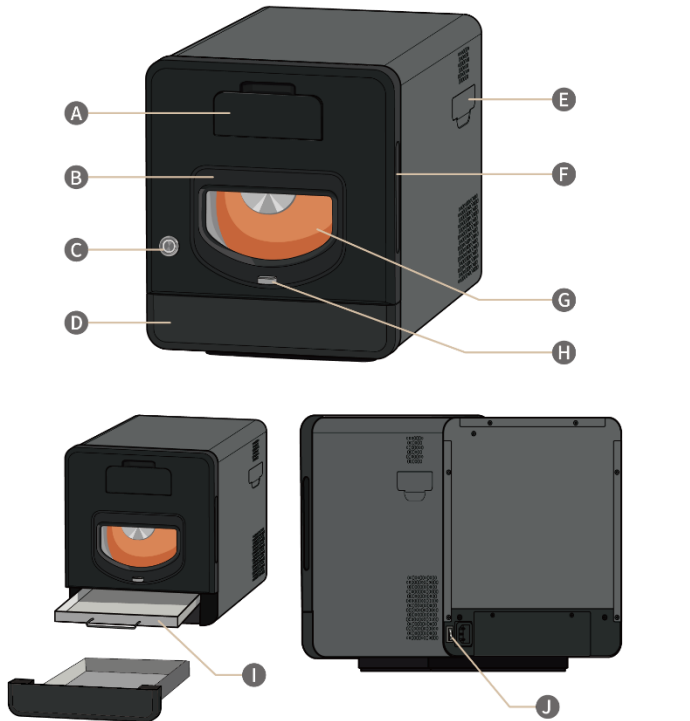
Product weight: 12kg

Product materials: Metallic machine body, 304 stainless steel, PC/ABS

Connection: Bluetooth

Accessories: Bean inlet tray, heat-insulation gloves, straight brush, power cord, screwdriver

Product Introduction



A. Coffee bean inlet door

B. Bean output door

C. Button

D. Roasted bean tray

E. Oil collection tank

F. Front door handle

G. Bean-viewing window

H. Bean output door latch

I. Chaff collection tray

J. Power switch

Sandbox Smart Coffee Bean Roaster Instructions

1. Before roasting coffee beans, please make sure you are familiar with the location and operation of the following parts.
 - 1-1 Make sure A – inlet for green beans opens and closes properly.
 - 1-2 Make sure B – bean-output door opens and closes properly. Flip up the latch and ensure the door opens about 10° for roasted beans to drop out.
 - 1-3 Make sure D – the roasted bean tray opens and closes normally.
 - 1-4 Make sure I – the chaff collection tray opens and closes normally. You must wear heat-insulating gloves to open the chaff collection tray as it becomes very hot. Please remove all chaff after each roast, or there may be a possibility of excessive overflow of chaff that may produce smoke when next roasting.
2. There is a “preheating” function for standard bean roasting, but do not rush to pour green beans into the roaster. Follow the instructions on the App to complete the machine preheating process, and the App will let you know when to pour in the green beans.
3. Make sure you know what “first crack” and “second crack” sound like. The “first crack” sounds like popcorn popping, while the “second crack” sounds more subtle. This will be the most important judgment basis in the process of roasting beans. Please watch the video by scanning the QR code on the right.
4. Recommend using the official profiles “Light Roast” for the first-time roasting beans to have a better understanding of the performance of this device. We do not recommend using the “dark roast” beans or setting manual profiles, as this may lead to high temperatures if you are not familiar with the product and may result in over-roasting the coffee beans.
5. During the process of roasting beans, it is normal to have occasional sparks caused by chaff igniting due to the high temperature. This is part of the machine's normal operation
6. After you become familiar with how this roaster works, we suggest you use the official profiles as an example to set your own profiles or parameters to improve the flavor.
7. When designing your own roasting profile, to reduce the failure rate, we suggest you set the parameters to after the first crack/second crack as follows:



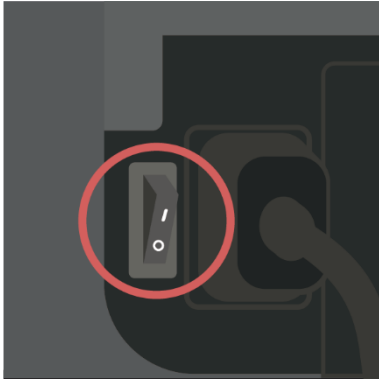
Introduction

Parameter item	After first crack	After second crack
Time	No more than 180 seconds	No more than 20 seconds
Power	No more than 50%	No more than 30%
Damper	No lower than 60%	No lower than 90%

Following the above advice will effectively enhance the success rate and flavor of roasting beans.

Chief Roaster Bonny

Steps for Roasting Beans



1. Connect the power cord and turn on the power switch at the back of the machine, the light switches on



2. Open the Sandbox Smart App and tap “Pairing”



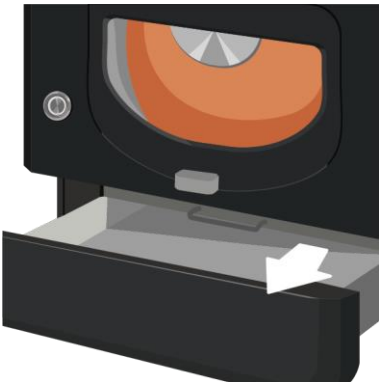
3. Choose a profile on the App and tap “Start Roasting Beans”



4. Press the button to activate the preheat or warm up process



5. When preheating is completed, open the bean door, and pour in green beans. Tap “Confirm” on the App to start roasting. (Note: Please do not pour in too many beans at once or the machine may get blocked)



7. After the countdown, please put on gloves and pull out the bean tray halfway.



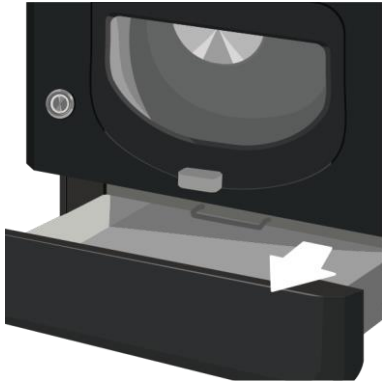
6. When you hear the first crack, tap “Press at First Crack” on the App (for dark roast, it will show “Press at Second Crack” – tap it after you hear the second crack), to start the countdown timer for roasted beans.



8. Flip up the opening of the bean output door and beans automatically fall into the tray. (Note: To close the output door, simply hard press both sides of the roasted bean doors)

Chaff Cleaning

Please clean out the coffee bean chaff after each use to avoid residual chaff from catching fire.



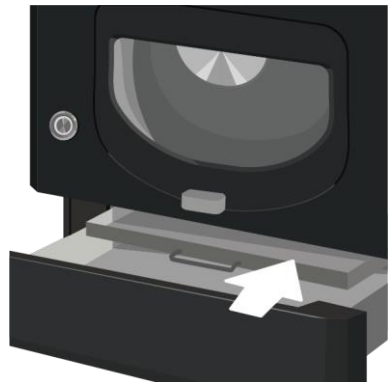
1. Put on gloves and take out the roasted bean tray



2. Take out the chaff collection tray



3. Make sure there are no sparks on the chaff, then pour it into the trash



4. Reinsert the chaff collection tray, then roasted bean tray

Cautions for Before the First use

1. Before using this product, please make sure to remove the protective packaging materials, and remove the cable tie on the power cord.
2. Use the screwdriver to open the front door and take out the heating tube fixation piece, close the front door and tighten the screw afterward.
3. Please ensure the following items are in the correct position. If not carried out correctly, the drum and the heating tube will not roll and function.
 - A. The front door is closed properly, and the screw is tightened
 - B. The chaff collection tray is correctly stored away
4. Please do not place coffee beans in the device when using it for the first time, run the machine without beans once before using normally.

Handling measures for abnormal and urgent bean output

1. When starting to execute the bean roasting operation, if the drum and heating tube malfunctions, please check whether the following items are in the correct position:
 - A. The front door is closed properly, and the screw is tightened
 - B. The chaff collection tray is correctly stored away
2. If an abnormal situation or malfunction occurs during the bean roasting process, causing the drum to stop rolling, please turn off the power first or remove the power plug.
3. When the button light is on, long press the button for 2 seconds to force the drum to roll for 10 seconds, this allows for emergency bean output.
4. If there is a fire on the roasting beans or a large amount of heavy smoke, please turn off the power first and remove the power plug. Wait until the fire has been extinguished or the smoke has ended before removing the front lid screw to open the front lid and clean the inside of the drum.

Button light description

1. When the button light is on, long press the button for 2 seconds to force the drum to roll for 10 seconds s.

Light signal display	Description
Constant light	Machine start-up completed, on standby
Continuous flickering light	Waiting for the button to be pressed to begin bean roasting
	Warming up
	Heating up
	Waiting for coffee beans to be placed in
	Roasting beans
	Countdown of first/second crack
	Cooling

Abnormal condition

Light signal display	Description
No light is on	Power off
	The front door is open

Cleaning and maintenance

Step 1: Ensure the machine and the drum is completely cooled

Step 2: Unplug the power cord

Step 3: Remove the front lid screw on the right side of the door to open the front lid

Step 4: Use the brush to clean the roller, the inside of the machine body, and the coffee bean chaff in the chaff collection tray

Step 5: Wipe the machine body dry with a dry cloth

Cautions for cleaning

1. Please do not soak the product in water, or splash water on the product.

Tutorial Video

Watch the detailed tutorial video on <https://youtu.be/bb9lBo5zVZo>



Tutorial video

Warranty

Thank you for purchasing this product from Sandbox Smart Technology.

We provide a one-year worldwide warranty from the date of purchase. Within the warranty period, we provide a repair service if the machine is damaged due to non-human interference. Our warranty service includes product repairs or replacement.

1. For repair service within the warranty period and related questions, please contact the distributor or the purchasing channel.
2. If your machine is damaged due to the following circumstances during the warranty period, you may be subject to a repair fee:
 - If instructions in the manual are not followed
 - Disassembly by non-authorized personnel or modification of the machine
 - Failure to use required voltage that causes machine malfunction
 - Natural damage to the exterior due to use
 - Damage caused by natural disasters or human factors
 - Damage caused by using unofficial parts
 - Malfunction or damage caused by falling due to movement or transport
3. The Company will charge fees under the following circumstances:
 - Warranty expired
 - Unable to show proof of purchase
4. If the purchased product has been discontinued and the warranty has expired, the Company will use similar parts to replace discontinued ones.
5. This warranty registration only provides after-sales service for this product within the warranty period. As the contents of this warranty do not involve the consumer's transaction of the product, there are no legal restrictions on rights.

Safety and Regulatory Guidelines

Use and Cleaning Instructions

1. Never leave the roaster unattended during use. Also, do not leave the roaster unattended after the cooling process has started. Keep your roasting time under 20 minutes a batch.
2. Ensure that the [A]Coffee bean inlet door, [B]Bean output door, and [D]Roaster bean tray are tightly closed when roasting.
3. In the event of an abnormality during roasting, turn off the power immediately. Open the door once the outer shell of the machine is completely cooled down.
4. If the Bluetooth is disconnected during roasting and the temperature of the machine is higher than the safety mechanism, the roaster will automatically shut down if the Bluetooth connection is not resumed within 30 seconds.
5. Do not use appliance for other than intended use.
6. Do not use this product outdoors. This product must be placed in a dry and well-ventilated environment and should be placed in an area with at least 20cm of clearance around the product. Stay 20cm (8 inches) of space around the sides and front of the roaster.
7. Do not place this product on an uneven surface. To avoid fire, do not place the roaster on or next to non-heat-resistant, flammable materials, or next to flammables (such as curtains) or heat generating appliances, electric heaters, or gas stoves.
8. To avoid being burned, do not touch the machine body, and always wear gloves when using the roaster.
9. Please clear out the chaff after each use to avoid residual chaff from catching fire.
10. During the roasting process, it is normal for a small amount of smoke to emerge from the front door.
11. Unplug the machine before cleaning and wait for it to cool down to assemble or remove accessories.
12. Clean the coffee oil collection tank periodically.
13. Do not soak or splash water onto the product. Use water or neutral detergent when cleaning.
14. To have a clear view of the color change of coffee beans during roasting, please wipe the bean-viewing window on a regular basis.
15. To avoid danger, do not use an extension cable or share power sockets with

another appliance.

16. This appliance is not to be used by children, or around children, and should be stored somewhere beyond the reach of children.
17. To protect against electric shock, do not place or immerse cord, plugs, or appliance in water or other liquid.
18. Please ensure the power supply used is the same as the rated voltage marked on the product. Properly insert the plug into a power socket to avoid electric shock, short circuit, smoke, or fire.
19. Immediately stop using the power socket if it is damaged. Only resume use once it is repaired.
20. This product is for home use only not for commercial purposes.

【法規資訊】

- 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率，加大功率或變更原設計之特性及功能。
- 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業，科學及醫療用電波輻射性電機設備之干擾。

ISED Statement:

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is

subject to the following two conditions:

- (1) this device may not cause interference,
- (2) this device must accept any interference, including interference that may cause

L' émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L' exploitation est autorisée aux deux conditions suivantes :

- (1) L' appareil ne doit pas produire de brouillage;
- (2) L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

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.

NOTE: 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.
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—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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and a human body.

如果電源軟線損壞，為了避免危險，必須由製造商、其維修部或類似部門的專業人員更換。

不能在外接定時器或獨立的遙控控制系統的方式下運行。

如果电源软线损坏，为了避免危险，必须由制造商、其维修部或类似部门的专业人员更换。

不能在外接定时器或独立的遥控控制系统的方式下运行。

Dieses Gerät kann von Kindern ab 8 Jahren und darüber sowie von Personen mit verringerten physischen, sensorischen oder mentalen Fähigkeiten oder Mangel an Erfahrung und Wissen benutzt werden, wenn sie beaufsichtigt oder bezüglich des sicheren Gebrauchs des Gerätes unterwiesen wurden und die daraus resultierenden Gefahren verstehen.

Kinder dürfen nicht mit dem Gerät spielen.

Reinigung und Benutzer-Wartung dürfen nicht von Kindern ohne Beaufsichtigung durchgeführt werden.

Wenn die Anschlußleitung dieses Gerätes beschädigt wird, muß sie durch den Hersteller oder seinem Kundendienst oder eine ähnliche qualifizierte Person ersetzt werden, um Gefährdung zu vermeiden.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or similar qualified person in order to avoid a hazard.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
Children shall not play with the appliance.
Cleaning and user maintenance shall not be made by children without supervision.

The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

Children being supervised not to play with the appliance.

appliances are not intended to be operated by means of an external timer or separate remote-control system

This appliances is intended to be used in household and similar applications such as:

- staff kitchen areas in shops, offices and others working environments;
 - farm houses;
 - by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments.
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If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

INFORMAZIONE AGLI UTILIZZATORI

Ai sensi dell' art. 26 del Decreto Legislativo 14 marzo 2014, n. 49 "Attuazione della Direttiva 2012/19/UE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)"

Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti per permetterne un adeguato trattamento e riciclo.

L'utente dovrà, pertanto, conferire gratuitamente l' apparecchiatura giunta a

fine vita agli idonei centri comunali di raccolta differenziata dei rifiuti elettrici ed elettronici, oppure riconsegnarla al distributore secondo le seguenti modalità:

-per apparecchiature di piccolissime dimensioni, ovvero con nessun lato esterno superiore a 25 cm, è prevista la consegna gratuita senza obbligo di acquisto presso i distributori con una superficie di vendita delle apparecchiature elettriche ed elettroniche superiore ai 400 m2. Per distributori con dimensioni inferiori, tale modalità è facoltativa.

-per apparecchiature con dimensioni superiori a 25 cm, è prevista la consegna presso tutti i distributori in modalità cd. "1control1", ovvero la consegna al distributore potrà avvenire solo all'atto dell'acquisto di un nuovo prodotto equivalente, in ragione di uno a uno.

L'adeguata raccolta differenziata per l' avvio successivo dell'apparecchiatura dismessa al riciclaggio, al trattamento e alia smaltimento ambientalmente compatibile contribuisce ad evitare possibili effetti negativi sull'ambiente e sulla salute umana e favorisce il reimpiego e /o riciclo dei materiali di cui è composta l'apparecchiatura.

Entsorgen Sie elektrische Geräte nicht im Hausmüll, nutzen Sie die Sammelstellen der Gemeinde.

Fragen Sie ihre Gemeindeverwaltung nach den Standorten der Sammelstellen.

Wenn elektrische Geräte unkontrolliert entsorgt werden, können während der Verwitterung gefährliche Stoffe ins Grundwasser und damit in die Nahrungskette gelangen, oder die Flora und Fauna auf Jahre vergiftet werden.

Wenn Sie das Gerät durch ein neues ersetzen, ist der Verkäufer gesetzlich verpflichtet, das alte mindestens kostenlos zur Entsorgung entgegenzunehmen

This telecommunication equipment conforms to NTC technical requirement.



Sandb☉x
SMART

