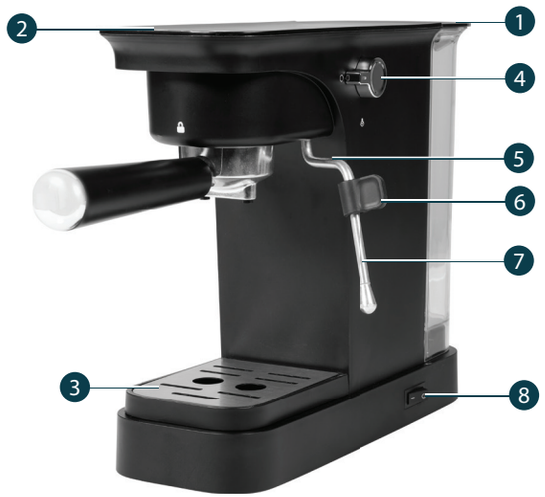
PRINCESS®

EN User manual



Espresso Machine 01.249421.01.001

A



B



C



EN User manual

Espresso Machine

Main parts (see image A)

1. Water tank lid
2. Control buttons
3. Drip tray grid
4. Steam control knob
5. Steam nozzle
6. Handle grip
7. Foam head
8. Power switch

Main parts (see image B)

9. Single espresso filter basket
10. Double espresso filter basket
11. ESE filter
12. Portafilter handle
13. Coffee scoop
14. Cleaning tool
15. Espresso tray

Main parts (see image C)

16. Single Cup button
17. Double Cup button
18. American Style button
19. Steam button

SAFETY

Safety precautions

- By ignoring the safety instructions the manufacturer cannot be held responsible for the damage.
- 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.
- Never move the appliance by pulling the cord and make sure the cord cannot become entangled.
- The user must not leave the appliance unattended while it is connected to the supply.
- This appliance is only to be used for household purposes and only for the purpose it is made for.
- This appliance shall not be used by children aged less than 8 years. 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. Keep the appliance and its cord out of reach of children aged less than 8 years. Cleaning and user maintenance shall not be made by children unless older than 8 and supervised.

- To protect yourself against an electric shock, do not immerse the cord, plug or appliance in the water or any other liquid.
- For the first operation, it is advisable to read the manual carefully beforehand and keep it properly for future use.
- If abnormal noise, smell, smoke or any other failure or breakage is found during the operation, you should turn off the switch and unplug it. Then contact with your service center for repair. Do not repair by yourself.
- Be careful not to get burned by the steam.
- Do not touch the hot surface of appliance (such as steam wand, and the steel mesh just boiling). Use handle or knobs.
- Do not let the coffee maker operate without water.
- Do not remove the metal funnel when appliance in brewing coffee or making steam.
- Use only original accessories from the manufacturer to ensure safe and proper operation.
- Clean and maintain the machine regularly to keep your coffee tasting good and extend the machine's life.
- This coffee machine is for indoor use only. Do not use it outside.

⚠ WARNING

Safety hazard due to unintended use:

- Only use the appliance as described in this user manual.
- Never use the appliance if there are visible signs of damage or defects. Always replace a damaged or defective appliance immediately.
- Never make any adjustments to the appliance. Adjustments may affect safety, warranty and proper operation.
- Switch off the appliance before attaching any accessories, cleaning it, or dealing with any disturbance.
- Do not turn on the appliance when it is not filled with water.

Electric shock hazard due to short-circuiting:

- Always plug the coffee machine into a properly grounded outlet to avoid electric shock.
- Never immerse the motor unit in water or any other liquid. Only clean the motor unit with a soft, damp cloth.
- Never open the appliance. The appliance may only be opened for maintenance by an authorised technician.

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- Never lift the appliance by the power cable. Lifting the appliance by the power cable may damage the power cable. Only lift the appliance by holding the base.
- Never replace the power cable yourself. Always let the manufacturer, its service agent or a similarly qualified person replace the power cable.
- Always unplug the power cable when the appliance is not in use or unattended, and before cleaning.
- Always check if the voltage stated on the type plate of your appliance matches your mains voltage before use.

Safety hazard for children:
- Keep the appliance and accessories out of reach for children.
- Children should be supervised to ensure that they do not play with the appliance.

Fire hazard due to overheating:
- Always place the appliance on a stable, flat, heat, and moisture resistant surface.
- Never leave the appliance unattended when in use. Only use the appliance under supervision. Switch off the appliance and remove the power cable from the power outlet when you leave the room.

Fire hazard due to short-circuiting:
- Do not use the coffee machine in hot, humid, or magnetic environments. Keep it away from fire, stoves, or other appliances like fridges.
- Place the machine on a flat surface with at least 5 cm of space on the sides and 20 cm behind it. Don’t let the cord hang over the edge.
- Never use the appliance in the immediate surroundings of a bath, a shower or a swimming pool.
- Never drop the appliance and avoid bumping. Excessive vibrations can lead to loosened connections and can influence proper functioning of the appliance. Stop using the appliance if the appliance has been dropped.

Safety hazard due to sharp parts:
- There is a sharp needle in the upper side of the capsule adaptor. Prohibit putting a hand or finger on any part near that needle after the adaptor is removed.

⚠ CAUTION
- Do not operate the machine with an empty water tank.

NOTICE

Risk of damaging the appliance:
- Never use aggressive chemical cleaning agents that can damage the appliance when cleaning the appliance.
- Keep the appliance and cord away from heat, direct sunlight, water, moisture, sharp edges etc.

FOREWORD

About this document

This user manual contains all the information for correct, safe, and efficient use of the appliance.
Ensure you have fully read and understood the instructions in this user manual before you use the appliance.
Always store this user manual in a safe place near the appliance for future reference.

Original instructions

This manual is originally written in English. All other languages are translated documents.

Support

For spare parts and more information about the appliance, please visit www.princesshome.eu

General symbols

Symbol	Description
	Applicable in France: The product or packaging can be recycled and components must be disposed of separately. Follow the local regulations.
	Applicable in Italy: The product or packaging can be recycled and components must be disposed of separately. Follow the local regulations.
CE	This product complies with conformity requirements of the applicable European regulations or directives.
	The Green Dot is the registered trademark of Der Grüne Punkt – Duales System Deutschland GmbH and is protected as a trademark worldwide. The logo may only be used by customers of DSD GmbH holding a valid trademark usage contract or by engaged waste management companies within the Federal Republic of Germany. This also applies to reproduction of the logo by third parties in a dictionary, an encyclopaedia or an electronic database containing a reference manual.
	The universal recycling symbol, logo, or icon is an internationally recognized symbol used to designate recyclable materials. The recycling symbol is in the public domain and is not a trademark.
	This symbol is used for marking materials intended to come into contact with food in the European Union as defined in regulation (EC) No 1935/2004.

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APPLIANCE DESCRIPTION

About this appliance

The Princess 01.249421.01.001 is an espresso machine. The appliance can make single or double espresso, it has a 1 cup and 2 cup adapter for ground coffee and ESE pod holder.

Intended use

This appliance is intended for indoor use only.
This appliance is intended exclusively for domestic, non-commercial use.
This appliance is intended to be used in household and similar applications such as:
- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels, and other residential type environments;
- bed and breakfast type environments.

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.
Any use of the appliance other than described in this user manual is regarded as misuse and may cause injury or damage to the appliance and void the warranty.

Technical specifications

Appliance name	Espresso Machine
Article number	01.249421.01.001
Power supply	220-240V~ 50-60Hz
Power	1400W
Power consumption in off-mode (W)	0
Power consumption in standby mode (W)	0
Time needed for the equipment to reach the applicable low power mode (min)	30

BEFORE FIRST USE

1. Take the coffee machine and all accessories out of the box. Remove any stickers, plastic films, or protective covers.
2. Wipe the machine with a soft, damp cloth. Do not use harsh cleaners, scouring pads, or steel wool—they can damage the surface.
3. If the machine is new or hasn't been used for a while, run it with water only (no coffee) 2–3 times to clean the inside.

- Remove the water tank lid **A**❶ and fill the water tank with clean water. Do not go over the MAX line. Then place the tank back into the machine.
- Place the filter **B**❾❿(without coffee) into the portafilter handle **B**⓬, and lock it into the machine.
- Put a jug or cup on the drip tray grid under the portafilter **B**❾❿. Make sure the knob is turned to the OFF position.
- Plug in the machine and press the power switch **A**❽. The blue indicator light will start flashing.
- Press the coffee brew button **A**❷. The pump will start and water will flow through the portafilter into your jug.
- When the water stops flowing, turn off the machine. Pour out the water from the jug and rinse it. Your machine is now ready to brew coffee!
- **Note**: It's normal to hear some noise the first time the pump runs. This is just air being released and should stop after about 20 seconds.

USE

Machine setting

Press the power switch, and the machine will automatically perform a test. The four indicator lights will light up in sequence this is normal. the heating tube will heat up, and the white lights turn off. The lights of the three coffee buttons will remain on, and functional button operations can be performed.

- **Note**: If the steam knob is turned on before the machine is powered on, the machine will be in an alarm state. The light will turn on for 0.5s and off for 0.5s, flash three times, and then stop for 2 seconds as a cycle display

Coffee brewing

Prepare the filter holder:

1. Use the small filter for one cup of espresso **B**❾.
2. Use the large filter for two cups of espresso **B**❿.
3. Or use the ESE pod filter **B**⓫ if brewing with an ESE pod.

Select Brew Mode:

When the indicator lights for Single Cup, Double Cup, and American Style are all steadily on, press the button for your desired mode:

- Single Cup **C**⓰
- Double Cup **C**⓱
- American Style **C**⓲

Brewing Sequence:

1. The selected light begins to blink slowly while brewing.

- The water pump starts, pauses briefly, and then continues pumping for the designated time (depending on the selected mode).

2. After the water pump stops, the indicator light continues blinking for 6 seconds, then turns off.

Finish & Ready for Next Cup:

Once the light goes out, the machine resets, and all three coffee mode lights turn on again, indicating it's ready to brew another cup. Pressing other keys during the operation, the keys are invalid.

Increase coffee volume (optional feature)

If you want more coffee right after brewing:

1. Within 3 seconds of the coffee finishing, press and hold the same coffee button you used.
2. The machine will brew for 5 more seconds, giving you extra coffee.

- **Note**: Pressing other buttons during this time will not work.

Reset to factory settings

To restore the original coffee volume settings (for Single Cup, Double Cup, and American Style):

1. Press and hold the Single Cup **C**⓰ and American Style buttons **C**⓲ at the same time.
2. Keep holding for 3 seconds.
3. The machine will reset to its factory settings.

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Steam function

1. Press the steam button (only possible when all three coffee mode lights are steadily on).
2. The steam indicator light starts flashing, and the three coffee lights turn off.
3. The machine begins heating to steam temperature:
- When the correct temperature is reached, the steam light turns solid (on).
- If the temperature drops below steam level, heating resumes and the light flashes again.
4. Once the light is solid, you may turn on the steam knob:
- The steam light becomes a breathing light.
- The water pump starts working, generating steam.
- To stop steaming, turn off the steam knob (which opens or closes the micro switch).
- To exit steam mode, press the steam button again.
- **Note**: Steam button only works when all three coffee lights are steadily on. Pressing it at other times has no effect.

Hot water function

This function lets you dispense hot water using the steam knob and micro switch.

Start hot water mode

1. Make sure the Steam Button is NOT pressed.
2. Turn the Steam Control Knob **A**4 to the open position (this activates the micro switch).
3. The lights for Single Cup, Double Cup, and American Style will flash slowly (breathing light).
4. The machine will begin heating water to 95°C, and stop heating at 105°C.
5. The water pump starts automatically once the coffee temperature is reached.
- **Note:** If you press any coffee button during this time and nothing happens, the machine will beep three times to let you know it's not allowed.

Stop hot water mode

1. Turn the steam control knob **A**4 to the closed position (this turns off the micro switch).
2. The water pump will stop.
3. The maximum time the pump can run in hot water mode is 1 minute and 30 seconds.

Important notes: During hot water mode, pressing the Single Cup, Double Cup, or American Style buttons will not work.

- Always monitor the machine while using this function to avoid overheating or spills.

Coffee memory function

This feature lets you customize the amount of coffee brewed for each button (Single Cup, Double Cup, American Style) **C**16 17 18 and saves your preference for next time.

Set custom volume – single cup

1. When the machine is ready to brew, press and hold the "Single Cup" button **C**16 for 3 seconds.
2. Coffee will start brewing.
3. When the cup has the amount you want, press the "Single Cup" button **C**16 again to stop.
4. The machine will remember this amount for future brews.
- Minimum time: 10 seconds
- Maximum time: 30 seconds

Set custom volume – double cup

1. When ready to brew, press and hold the "Double Cup" button **C**17 for 3 seconds.
2. Coffee will start brewing.
3. When the desired amount is reached, press the "Double Cup" button **C**17 again to stop.
4. The machine will remember this amount for next time.
- Minimum time: 30 seconds
- Maximum time: 50 seconds

Set Custom Volume – American Style

1. When ready to brew, press and hold the "American Style" button **C**18 for 3 seconds.
2. Coffee will start brewing.
3. When the desired amount is reached, press the "American Style" button **C**18 again to stop.
4. The machine will remember this amount for future use.
- Minimum time: 40 seconds
- Maximum time: 100 seconds

Important Notes: If the amount you set is too small or too large, the machine won't save the setting.

- Make sure to stay within the recommended time range for each type.

Descaling function

1. Wait for the machine to be in standby mode
- The lights for Single Cup, Double Cup, and American Style will stay on.
- Then they will start flashing slowly one after another (like a breathing light).
2. Enter Descaling Mode
- Press and hold the Single Cup and Double Cup buttons at the same time for 3 seconds
- Within 10 seconds, turn the steam control knob**A**4 to the open position (this activates the micro switch).
- The machine will now enter descaling mode.
3. What happens during descaling

The water pump works intermittently, and the heating element heats water to remove scale. The process takes about 4 minutes. After it finishes:

- All function lights will flash 3 times.
- The machine will beep 3 times.
- Then it will return to standby mode (coffee warming state).

Important notes: Do not press any other buttons during descaling—they won't work.

- You can close the steam knob to let the hot water flow out from the brewing head. This helps clean the internal parts.
- The machine may repeat the cycle automatically until the process is complete.

Manual descaling function

How to Start Manual Descaling

Follow the same steps as the automatic descaling process:

1. Wait until the lights for Single Cup, Double Cup, and American Style flash slowly.
2. Press and hold the Single Cup and Double Cup buttons **A**2 together for 3 seconds.
3. Within 10 seconds, turn the steam control knob **A**4 to the open position to start descaling.

After descaling

1. To remove any leftover citric acid or cleaning solution, run 2–3 rinse cycles using clean water.
2. Follow the normal coffee or hot water brewing steps, but do not add coffee powder during rinsing.

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Safety reminders

1. Supervise the machine while it's brewing or cleaning. Never leave it unattended.
2. Do not remove the portafilter (metal funnel) **B⑫** while the machine is brewing—this can cause hot liquid to splash.
3. Do not place the steam nozzle **A❺** directly on the surface of milk—this may cause splashing and burns.

Energy-saving auto shut-off

To save energy, the machine will automatically turn off if there is no activity for 30 minutes.

1. All indicator lights will turn off.
2. To restart the machine, simply press any button on the control panel.

Dry mode test (for safety and quality control)

1. Plug the coffee machine into a 230V / 50Hz AC power supply.
2. Make sure there is no water in the heating pot before starting.
3. Let the machine run until the heating tube stops heating on its own.
- Record the time it takes from a cold start until the heating stops. This is called T□.

4. Short circuit the temperature controller
- This step simulates a failure in the temperature control system.
- Let the machine heat again from a cold state until the thermal fuse melts. Record this time as T□.

5. The difference between T□ and T□ should be at least 10 seconds: T1−T2≥10 seconds
- This ensures the fuse has enough time to react and protect the machine in case of overheating.

CLEANING AND MAINTENANCE

To keep your espresso machine working well and your coffee tasting great, follow these cleaning steps every 2 to 3 months:

6. Descale the machine
- Use a coffee machine descaling agent. Mix it with water in a 4:1 ratio (4 parts water to 1 part descaler), or follow the instructions on the product label.
- If you don't have a descaling agent, you can use citric acid instead. Mix 100 parts water to 3 parts citric acid.
- **Important**: Do not add coffee powder during cleaning.

7. Clean the steam nozzle **A❺**
- Open the steam control knob **A❹** to flush the steam nozzle **A❺**.
- Run hot water through the foam head **A❼** (without coffee) to clean the internal pipes.

8. Rinse thoroughly
- After descaling, run clean water through the machine 3 times to remove any leftover cleaning solution.
- Let the machine rest for at least 3 minutes between each rinse cycle to avoid overheating.

STORAGE

Unplug the device whenever it is not in use. Allow it to cool, then store it in a safe, dry location. Never wrap the cord around the appliance. This will cause the cord to wear and break prematurely. Handle the cord carefully and avoid jerking, twisting, or straining it, especially at plug connections.

TROUBLESHOOTING

Problem	Possible cause	Possible solution
No coffee comes out	Water tank is empty Filter baskets **A❾❿** are blocked Foam head **A❼** is blocked Water tank is not properly placed	Fill the water tank Clean the filter basket Clean the foam head Reposition the water tank correctly
Coffee leaks from the portafilter	Seal ring is dirty Coffee grind is too fine Coffee is tamped too tightly Coffee grounds are on the rim of the filter basket Seal ring is damaged	Clean the silicone seal ring Use espresso-grade coffee grind Tamp the coffee more gently Wipe off excess grounds before inserting Contact after-sales service for replacement
Coffee is not hot enough	Machine is not fully heated Machine or cup is not preheated	Wait for the power indicator light to stay on Preheat the machine and cup before brewing
Pump is too noisy	Water tank is empty Water tank is not properly placed	Fill the water tank Reposition the water tank correctly
Coffee is weak or watery	Coffee is not tamped firmly Not enough coffee in the basket Coffee grind is too coarse	Tamp the coffee more firmly Add more coffee grounds Use a finer espresso grind
Coffee is too strong or dark	Coffee is tamped too tightly Too much coffee in the basket Filter basket is blocked Coffee grind is too fine Foam head is blocked	Tamp more lightly Use less coffee grounds Clean the filter basket Use espresso-grade grind Clean the brewing head
Portafilter won't lock into place	Too much coffee in the basket Mechanical issue with locking system	Use less coffee grounds Contact after-sales service
No milk foam	Steam nozzle **A❺** is blocked Scale buildup in steam system	Use the cleaning needle to unclog the nozzle Add a small amount of vinegar to the water tank and run a cleaning cycle

DISPOSAL



This appliance should not be put into the domestic garbage at the end of its durability, but must be offered at a central point for the recycling of electric and electronic domestic appliances. This symbol on the appliance, instruction manual and packaging puts your attention to this important issue. The materials used in this appliance can be recycled. By recycling of used domestic appliances you contribute an important push to the protection of our environment. Ask your local authorities for information regarding the point of recollection.

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