

IMPORTANT SAFEGUARDS

Symbols used in these instructions

Important warnings are identified by these symbols.

It is vital to respect these warnings.



Danger!

Failure to observe the warning could result in life threatening injury by electric shock.



Important!

Failure to observe the warning could result in injury or damage to the appliance.



Danger of burns!

Failure to observe the warning could result in scalds or burns.



Please note:

This symbol identifies important advice or information for the user.

Fundamental safety warnings



Danger!

This is an electrical appliance and may cause electrical shocks.

You should therefore follow these safety warnings:

- Never touch the appliance with damp hands or feet.
- Never touch the plug with damp hands.
- Make sure the socket used is freely accessible at all times, enabling the appliance to be unplugged when necessary.
- Unplug directly from the plug only.
Never pull the power cable as you could damage it.
- To disconnect the appliance completely you must unplug it from the mains socket.
- If the appliance is faulty, do not attempt to repair.
Turn it off, unplug from the mains socket and contact Customer Services.

If the plug or power cable is damaged, it must be replaced by De'Longhi Customer Services only to avoid all risk.

During cleaning, never immerse the coffee maker in water. It is an electrical appliance.

- Before cleaning the outside of the appliance, turn it off, unplug from the mains socket and allow to cool.



Important:

Keep all packaging (plastic bags, polystyrene foam) away from children.



Important:

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.



Danger of burns!

This appliance produces hot water and steam may form while it is in operation.

Avoid contact with splashes of water or hot steam.

When the appliance is in operation, please be aware that the cup warmer shelf becomes hot.



Surfaces marked with this symbol become hot during use (the symbol is present in certain models only).

Designated use

This appliance is designed and made to prepare coffee and heat drinks.

This is a household appliance only.

It is not intended to be used in:

- 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.

Any other use is considered improper and thus dangerous.

The manufacturer is not liable for damage deriving from improper use of the appliance.

Instruction for use

Read this Instruction for Use carefully before using the appliance. Failure to follow this Instruction for Use may result in burns or damage to the appliance.

The manufacturer is not liable for damage deriving from failure to respect this Instruction for Use.



Please note: Keep this Instruction for Use.

If the appliance is passed to other persons, they must also be provided with this Instruction for Use.

Checking the appliance

After removing the packaging, make sure the product is complete and undamaged and that all accessories are present. Do not use the appliance if it is visibly damaged. Contact De'Longhi Customer Services.

DISPOSAL



In compliance with European directive 2002/96/EC, the appliance must not be disposed of with household waste, but taken to an authorised waste separation and recycling centre.

TECHNICAL DATA

Mains voltage	220-240V~50/60Hz
Absorbed power.....	1350 W
Pressure	15 bar
Water tank capacity	1 l
Dimensions WxHxD	149x305x330 (414)mm
Weight.....	4,04 Kg



The appliance complies with the following EC directives:

- Low Voltage Directive 2006/95/EC and subsequent amendments;
- EMC Directive 2004/108/EC and subsequent amendments;
- European Stand-by Regulation 1275/2008;
- Materials and accessories coming into contact with food conform to EC regulation 1935/2004.



None of the components or accessories is dishwasher safe.




DESCRIPTION

The terminology below will be used repeatedly on the following pages.

Description of the appliance

(see page 3)

- A. Water tank lid
- B. Tank extraction handle
- C. Water tank
- D. Cup warmer
- E. Boiler outlet

- F. ON/OFF switch
- G. Cup tray
- H. Drip tray full indicator
- I. Drip tray
- J. Hot water/steam spout
- K. Hot water/steam connection nozzle
- L. Hot water/steam connection tube
- M. Steam dial
- N. Filter holder
- O. Measure/presser
- P. 1 cup filter ( symbol under filter)
- Q. 2 cup filter ( symbol under filter)
- R. Pod filter ( symbol under filter)
- S. Water softener filter (*not included, can be purchased from authorised Customer Services)

Control panel description

- T. One cup button
 - T1. ON light on button (white)
- U. Two cups button
 - U1. ON light on button (white)
- V. Steam button
 - V1. ON light on button (white)
 - V2. Descale light (orange)

INSTALLING THE APPLIANCE



Important!

When you install the appliance, you should respect the following safety warnings:

- Water penetrating the appliance could cause damage.
Do not place the appliance near taps or sinks.
- The appliance could be damaged if the water it contains freezes.
Do not install the appliance in a room where the temperature could drop below freezing point.
- Arrange the power cable in such a way that it cannot be damaged by sharp edges or contact with hot surfaces (e.g. electric hot plates).
- The appliance gives off heat. After positioning the appliance on the worktop, leave a space of at least 3 cm between the surfaces of the appliance and the side and rear walls and at least 15 cm above the coffee maker.

Connecting the appliance



Danger!

Check that the mains power supply voltage corresponds to that indicated on the rating plate on the bottom of the appliance. Connect the appliance to an efficiently earthed and correctly installed socket with a minimum current rating of 10A only. If

the power socket does not match the plug on the appliance, have the socket replaced with a suitable type by a qualified professional.

FILLING THE WATER TANK

1. Extract the tank by pulling it upwards (fig. 1).
2. Open the lid and fill the tank with fresh clean water, taking care not to exceed the MAX level (fig. 2).
Put the tank back in the appliance, pressing lightly to open the valves located on the bottom of the tank.
3. More simply, the tank can also be filled without extracting it by pouring the water directly from a jug.



Important:






Never operate the appliance without water in the tank or without the tank.



Please note:

It is normal for there to be water in the space under the tank. This should therefore be dried regularly with a clean sponge.

SETTING UP THE APPLIANCE

- Turn the appliance on by pressing the ON/OFF switch (fig. 3). The appliance performs a self-diagnosis cycle, indicated by sequential flashing of the three buttons.
- The  and  lights flash to indicate the appliance is heating up.
When the lights stop flashing and remain on steadily, the appliance is ready for use.
- Place a container with a minimum capacity of 100 ml under the hot water/steam spout (fig. 4).
- Turn the hot water/steam dial to the  position (fig. 5) and deliver about 100 ml of water, then close the dial again (○ symbol).
- Attach the filter holder to the appliance. To attach correctly, align the filter holder handle with the INSERT symbol (fig. 9), attach the filter holder and rotate the handle towards the right until aligned with the CLOSE symbol.
- To rinse the machine's internal circuits, place a container under the coffee spout and press the  key. Repeat this procedure 5 times.
- Then proceed with rinsing the "steam" circuit: place a container under the hot water spout and turn the dial to the  position. Hot water is delivered. When the appliance automatically stops the hot water delivery, close the dial (○ symbol). Repeat this procedure 1 more time (If necessary, refill the tank).



Please note:

The first time you use the coffee maker, you need to make 4/5 cups of coffee or 4/5 cappuccinos before it starts to give satisfactory results.

PROGRAMMING THE SETTINGS MENU

To access the menu, make sure the appliance is ready for use, then press and hold the  button for 10 seconds until the three buttons flash in sequence:

The appliance is now in programming mode.

Set the coffee maker as you wish, then exit the settings menu by waiting for 15 seconds.




Please note:

If no selections are made for 15 seconds, the appliance automatically exits programming and is ready for use again.

Setting coffee temperature

To modify the temperature of the water used to make the coffee, proceed as follows:

1. Access the settings menu;
2. Press the  button to enter the coffee temperature selection mode.

The lights corresponding to the current selection come on:



low



medium



high

3. The lights start flashing in sequence;
4. Press the button corresponding to the required temperature:



low



medium



high

5. The button  flashes to indicate that the selection has been saved.

The appliance exits the menu and is ready for use.


Setting water hardness

The light (V2) indicating that the appliance needs descaling comes on after a period of operation established according to water hardness.

The appliance can also be programmed according to the hardness of the mains water in the various regions so that descaling needs to be performed more or less frequently.




Proceed as follows:

1. Access the settings menu;

- Press the  button to enter the water hardness selection mode. The lights corresponding to the current selection come on:



- The lights start flashing in sequence;
- Press the button corresponding to the water hardness in your area:

 soft water	 medium water	 hard water
<10°dH	10°dH - 20°dH	>20°dH
<18°FH	18°FH - 36°FH	>36°FH
<180mg/l CaCO ₃	180-300mg/l CaCO ₃	>360mg/l CaCO ₃


- The  button flashes to indicate that the selection has been saved.

The appliance exits the menu and is ready for use.

Adjusting auto-off (stand-by)

To save energy, an auto-off function turns the appliance off when not used for a long period.

To turn it back on again, press any button on the control panel.

- Access the settings menu;
- Press the  button to enter the auto-off time selection mode. The lights corresponding to the current selection come on:



- The lights start flashing in sequence;
- Press the button corresponding to the required time:







- The  button flashes to indicate that the selection has been saved.

The appliance exits the menu and is ready for use.

Default values (reset)

This resets all menu settings and programmed quantities back to the default values.

To reset the default values, proceed as follows:

- Access the settings menu;
- Turn the steam dial to the  position;
- Press the  button. The three lights flash simultaneously to confirm that the original settings have been restored.
- The  and  lights flash to indicate that the steam dial must be closed again (○ symbol).

When the steam dial has been closed, the appliance is ready for use.



HOW TO MAKE ESPRESSO COFFEE

Tips for a hotter coffee

For hotter espresso coffee, you should:

- Attach the filter holder to the appliance with the filter in place but **without adding coffee**.
Using the same cup as will later be used to make the coffee, press the 1 cup button and deliver hot water into the cup to heat it.
- Raise the coffee temperature in the settings menu.
- Rest the cups you will be using on the cup warmer (D) which becomes hot during operation.

How to make espresso coffee using pre-ground coffee



- Place the ground coffee filter (P or Q) in the filter holder (fig. 6). To make one coffee, use the filter with the  symbol on the bottom, to make two coffees, use the filter with the  symbol on the bottom.
- To make just one coffee, place one level measure of pre-ground coffee (about 7 g) in the filter (fig. 7).
To make two coffees, place two loosely filled measures (about 7+7 g) of pre-ground coffee in the filter. Fill the filter a little at a time to prevent the pre-ground coffee from overflowing.



Important:

For correct operation, before filling with pre-ground coffee, make sure there are no coffee residues left in the filter from the last time you made coffee.

- Distribute the pre-ground coffee evenly and press lightly with the presser (fig. 8). Correct pressing of the pre-ground coffee is essential to obtain a good espresso. If you press too firmly, the coffee will be delivered slowly and will be strong. If you press too lightly, the coffee will be delivered quickly and will be weak.

- Remove any excess coffee from the rim of the filter holder and attach the filter holder to the appliance. To attach correctly, align the filter holder handle with the INSERT symbol (fig. 9), attach the filter holder and rotate the handle towards the right until aligned with the CLOSE symbol.
- Place the cup or cups under the filter holder spouts (fig. 10). You are recommended to warm the cups before making coffee by rinsing them with a little hot water.
- Make sure the lights corresponding to the coffee buttons are on, then press the  or  coffee button. The appliance proceeds to make the coffee and delivery is interrupted automatically.


How to make espresso coffee using pods

Please note:

use pods conforming to the ESE standard, indicated on the pack by the following symbol.



The ESE standard is a system accepted by leading pod producers and enables espresso coffee to be prepared simply and cleanly.

- Place the filter for coffee pods (with the  symbol on the bottom) in the filter holder.
- Insert the pod, centring it as far as possible on the filter (fig. 11). Always follow the instructions on the pod pack to position the pod on the filter correctly.

Proceed as described in points 4 to 6 in the previous section.

Please note:

- While the appliance is making coffee, delivery can be interrupted at any moment by pressing the coffee button pressed previously.
- At the end of delivery (within 3 seconds), to increase the amount of coffee in the cup, press and hold the coffee button pressed previously. Delivery is automatically interrupted after a few seconds.
- To remove the filter holder, turn the handle from right to left.





Danger of burns!

To avoid splashes, never remove the filter holder while the appliance is delivering coffee. Always wait for a few seconds after delivery.


Programming the quantities of coffee in the cup

The appliance is set by default to automatically deliver standard quantities.

To change these quantities, proceed as follows:

- Place one or two cups under the filter holder spouts.
- Press and hold the button you want to programme ( or ). The appliance starts delivering coffee and the other coffee button flashes to indicate that programming is underway.
- Once the required quantity of coffee has been delivered into the cup, release the button. Delivery stops and the light flashes to indicate that the quantity has been saved correctly.
- When the two coffee lights come on steadily, the appliance is ready for use.

HOW TO MAKE CAPPUCCINO



- Prepare the espresso coffees as described in the previous paragraphs, using sufficiently large cups.
- Press the  button (fig. 12). The light flashes;
- In the meantime, fill a recipient with about 100 g of milk for each cappuccino to be prepared.

The milk must be at refrigerator temperature (not hot!).

In choosing the size of the recipient, bear in mind that the milk doubles or triples in volume (fig. 13).

Please note:



You are recommended to use semi-skimmed milk at refrigerator temperature.

- Wait for the light corresponding to the  button to come on steadily, indicating that the boiler has reached the ideal temperature to produce steam.
- Position an empty container under the cappuccino maker and open the dial for a few seconds to eliminate any air left in the circuit. Close the dial again.
- Place the recipient containing the milk under the cappuccino maker.
- Dip the cappuccino maker in the milk for a few millimetres (fig. 14).
Turn the dial to the  position. Steam is delivered from the cappuccino maker, giving the milk a creamy frothy appearance. To obtain a creamier froth, immerse the cappuccino maker in the milk and rotate the container with slow upward movements.
- When the milk has doubled in volume, immerse the cappuccino maker deeply and continue heating the milk (fig. 15). When the required temperature (the ideal is 60°C) and froth density is reached, interrupt steam delivery by turning the steam dial clockwise.
- Pour the frothed milk into the cups containing the espresso coffee prepared previously.

The cappuccino is ready. Sweeten to taste and if desired, sprinkle the froth with a little cocoa powder.



Please note:

- to prepare more than one cappuccino, first make all the coffees then at the end prepare the frothed milk for all the cappuccinos.
- to exit the steam function, press any button. The lights  and  flash to indicate that the temperature is too high to make coffee (see section "Cooling the boiler").

You should not deliver steam for more than 60 seconds.



Important:

For hygiene reasons, the cappuccino maker should always be cleaned after use.

Proceed as follows:

1. Turn the steam dial to deliver a little steam for a few seconds (points 2, 4 and 5 of the previous section).
This causes the cappuccino maker to deliver any milk left in its circuits. Press the ON/OFF button to turn the appliance off.
2. With one hand, hold the cappuccino maker tube firmly, with the other, release the cappuccino maker by turning it clockwise, then pull off downwards (fig. 16).
3. Remove the rubber steam connection nozzle from the spout by pulling it downwards (fig. 17).
4. Wash the cappuccino maker and steam connection nozzle thoroughly with warm water (fig. 18).
5. Check the hole shown by the arrow in fig. 18 is not blocked.
6. Put the steam connection nozzle back, pressing upwards to insert it onto the steam tube.
7. Replace the cappuccino maker by pushing upwards and turning anticlockwise.

Cooling the boiler

To make coffee again immediately after frothing milk, the boiler must first be cooled or the coffee will be burnt.



Proceed as follows:

- place a container under the cappuccino maker;
- open the steam dial to deliver hot water and cool the boiler;
- hot water delivery is interrupted automatically when the boiler is cool. When the pump stops operating and no more water is delivered, close the steam dial.

The coffee maker is now ready for use.

HOT WATER

1. Turn the appliance on by pressing the ON/OFF button (fig. 4). Wait for the coffee lights to come on steadily.

2. Place a recipient under the cappuccino maker.
3. Turn the dial to the /  position. Hot water is delivered from the cappuccino maker.
4. To stop hot water delivery, close the dial and press any button.

You should not deliver hot water for more than 60 seconds.

CLEANING



Danger!

Before cleaning the outside of the appliance, turn it off, unplug from the mains socket and allow to cool.

Cleaning the drip tray



Important!

The drip tray is fitted with a level indicator (red) showing the level of water it contains (fig. 19).

Before the indicator protrudes from the cup tray, the drip tray must be emptied and cleaned, otherwise the water may overflow the edge and damage the appliance, the surface it rests on or the surrounding area.

1. Remove the drip tray (fig. 20).
2. Remove the cup tray, empty the water and clean the drip tray with a cloth, then reassemble the drip tray.
3. Put the drip tray back in place.

Cleaning the coffee filters

Clean the coffee filters regularly by rinsing under running water. Make sure the holes are not blocked. If necessary, clean with a pin (fig. 21).

Cleaning the boiler outlet

After every 200 coffees, rinse the boiler outlet by delivering about 0.5 l of water from the boiler outlet (press the coffee button without using ground coffee).

Other cleaning operations

1. Do not use solvents or abrasive detergents to clean the coffee maker. Use a soft damp cloth only.
2. Clean the filter holder cup regularly.

Cleaning the water tank


Clean the water tank regularly (about once a month) with a damp cloth and a little mild washing up liquid.



Danger!

During cleaning, never immerse the coffee maker in water. It is an electrical appliance.






Descaling

Descalc the appliance when the orange light on the  button comes on.

Important!

- Descaler contains acids which may irritate the skin and eyes. It is vital to respect the manufacturer's safety warnings given on the descaler pack and the warnings relating to the procedure to follow in the event of contact with the skin and eyes.
- You should use De'Longhi descaler only. Using unsuitable descaler and/or performing descaling incorrectly may result in faults not covered by the manufacturer's guarantee.


Proceed as follows:



1. Completely empty the water tank and REMOVE THE SOFTENER FILTER (if present).
2. Fill the tank with the descaler solution obtained by diluting the descaler with water following the instructions on the pack.
3. Press the ON/OFF button.
4. Make sure the filter holder is not attached and position a recipient under the cappuccino maker.
5. Wait for the  and  lights to come on steadily, indicating that the appliance is ready for use.
6. Press and hold the  button for 10 seconds until the three buttons flash in sequence.
7. Turn the steam dial to the  position.
8. Press the  button to start descaling.
9. The descale programme starts and the descaler liquid comes out of the water spout.

The descale programme removes limescale deposits from inside the appliance by automatically performing a series of rinses and pauses until the tank is completely empty.

Please note:


During descaling, to clean the boiler outlet, close the steam dial from time to time to deliver small quantities of descaler from the boiler outlet.

10. The appliance stops operation and the orange  light continues to flash, indicating that descaling is still underway.
11. The coffee maker is now ready for rinsing through with clean water.
Extract the water tank, empty, rinse under running water, fill with fresh water up to the MAX level, reinsert the softener filter (if previously removed) and put back in the appliance.

12. Empty the container used to collect the descaler solution and replace it empty under the hot water spout.
13. Make sure the steam dial is in the  position, then press the  button to start rinsing.

Please note:





During rinsing, to clean the boiler outlet, close the steam dial from time to time to deliver small quantities of water from the boiler outlet.

14. Extract the water tank and fill with fresh water up to the MAX level, then repeat once steps 12 to 14.
15. Make sure the steam dial is in the closed position ( symbol).

The appliance is ready for use.




Repair of damage to the coffee maker caused by scale is not covered by the guarantee unless descaling is performed regularly as described above.

EXPLANATION OF LIGHTS

Lights	Operation	Explanation of lights
	The ON/OFF button is turned on	The appliance performs a self-diagnosis cycle, indicated by sequential flashing off the lights
	The appliance is on	Flashing lights: the appliance is heating up to make coffee Lights on steadily: the appliance is ready to make coffee The lights flash rapidly: the tank is empty or the appliance will not make coffee See section: "Troubleshooting"
	The steam function is required	Flashing light: the appliance is heating up to deliver steam Light on steadily: the appliance is ready to deliver steam
	Steam dial open	Flashing lights: close the steam dial
	High boiler temperature	Flashing lights: Cool the boiler as described in the corresponding section

TROUBLESHOOTING

Problem	Cause	Solution
No espresso coffee is delivered	No water in the tank	Fill the tank
	The holes in the filter holder are blocked	Clean the filter holder spout holes
	The tank has been inserted incorrectly and the valves on the bottom are not open	Press the tank down lightly to open the valves on the bottom
	Limescale in the water circuit	Descale as described in the section "Descaling"
The espresso coffee drips from the edges of the filter holder rather than the holes	The filter holder has been inserted incorrectly or is dirty	Attach the filter holder correctly and rotate firmly as far as it will go
	Attach the filter holder correctly and rotate firmly as far as it will go	Have the espresso boiler gasket replaced by Customer Services
	The holes in the filter holder spouts are blocked	Clean the spout holes
The filter holder cannot be attached to the appliance	Too much coffee has been placed in the filter	Use the measure supplied and make sure you are using the correct filter for the type of preparation

The coffee froth is too light (delivered from the spout too fast)	The pre-ground coffee is not pressed down firmly enough	Press the pre-ground coffee more firmly
	There is not enough pre-ground coffee	Increase the quantity of pre-ground coffee
	The pre-ground coffee is too coarse	Use only pre-ground coffee for espresso coffee makers
	The wrong type of pre-ground coffee is being used	Change the type of pre-ground coffee
The coffee froth is too dark (delivered from the spout too slowly)	The pre-ground coffee is pressed down too firmly	Press the coffee down less firmly
	There is too much pre-ground coffee	Reduce the quantity of pre-ground coffee
	The espresso boiler outlet is blocked	Clean as described in the section "Cleaning the boiler outlet"
	The filter is blocked	Clean as described in the section "Cleaning the filter"
	The pre-ground coffee is too fine	Use only pre-ground coffee for espresso coffee makers
	The pre-ground coffee is too fine or damp	Use pre-ground coffee for espresso coffee makers only and make sure it is not too damp
	Limescale in the water circuit	Descale as described in the section "Descaling"
After delivering coffee, the filter remains attached to the boiler outlet		Insert the filter holder again, deliver coffee, then remove the filter holder
The appliance will not make any drink and the  ,  and  lights flash for a few seconds	No water in the tank	Fill the tank with water
	The tank has been inserted incorrectly and the valves on the bottom are not open	Press the tank down lightly to open the valves on the bottom
	The espresso boiler outlet is blocked	Clean as described in the section "Cleaning the boiler outlet"
	The filter is blocked	Clean as described in the section "Cleaning the filter"
	Limescale in the water circuit	Descale as described in the section "Descaling"
The appliance does not function and all the lights flash		With an extreme use, the appliance reaches a high temperature. Simply wait: the appliance will cool down automatically
The appliance does not function and all the lights flash for a long time	Abnormal machine conditions	Disconnect the appliance and contact authorised Customer Services.