

## FUNDAMENTAL SAFETY WARNINGS

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- The 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.
- Cleaning and user maintenance shall not be made by children without supervision.
- Never clean by immersing the appliance in water.
- This is an 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.
- If the plug or cord is damaged, it must be replaced by Customer Services only to avoid all risk.

### FOR EUROPEAN MARKETS ONLY:

- This appliance can be used by children aged from 8 years and above if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised. Keep the appliance and power cord away from children under eight years of age.
- Appliances can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been given instruction concerning use of the appliance in a safe way and if they understand the hazards involved.
- Children shall not play with the appliance.
- Always unplug the appliance when left unattended and before assembly, taking apart or cleaning.



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

## SAFETY WARNINGS



**Danger! Failure to observe the warning may result in life threatening injury by electric shock.**

This is an electrical appliance and may cause electric shock. 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 cord 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.
- Before cleaning the appliance, turn it off, unplug from the mains socket and allow to cool.



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

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



**Danger of burns! Failure to observe the warning could result in scalds or burns.**

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

Avoid contact with splashes of water or hot steam.

## Designated use

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

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.

## DESCRIPTION OF THE APPLIANCE

(page 3 - A)

- A1. Cup shelf
- A2. Main switch
- A3. Power cord connector socket
- A4. Steam/hot water selector
- A5. Cappuccino maker nozzle
- A6. Cappuccino maker/hot water spout
- A7. Boiler outlet/Infuser assembly
- A8. Water tank housing
- A9. Water tank lid
- A10. Water tank
- A11. "No water" indicator
- A12. Cup tray
- A13. Drip tray max. water level indicator
- A14. Drip tray

## Description of the control panel (B)

(page 3 - B)

- B1. ON/Stand-by button
- B2. Stand-by/Energy saving mode light
- B3. Steam OK light
- B4. Coffee/hot water OK light
- B5. Coffee delivery
- B6. STOP/hot water position
- B7. Steam function
- B8. Mode selector

## Description of the accessories

(page 2 - C)

- C1. Filter holder
- C2. Froth filter 1 coffee
- C3. Froth filter 2 coffees
- C4. ESE pod filter
- C5. Power cord (removable)
- C6. Measure/pressure
- C7. Water hardness indicator paper (Total Hardness test)
- C8. Descaler
- C9. Water softener filter (\*not included, can be purchased from authorised Customer Services)

## INSTALLING THE APPLIANCE



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

- Water penetrating the coffee machine 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 cord 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 machine.

### Connecting the appliance



**Check that the mains power supply voltage corresponds to the value indicated on the rating plate on the bottom of the appliance.**

Plug the power cord connector into the socket at the back of the appliance (fig. 1), then plug the plug into the mains socket. 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 water tank and fill with fresh clean water, taking care not to exceed the MAX level (fig. 2).
2. Reinsert the tank (fig. 3).



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

### SETTING UP THE APPLIANCE

1. Attach the filter holder to the appliance. To attach correctly, align the filter holder handle with the OPEN symbol (fig. 4), then rotate the handle to the right until it is aligned with the CLOSE symbol (fig. 5);
2. Turn on by pressing the main switch **I/O** on the back of the appliance to the **I** position. The appliance performs a self-diagnosis cycle, indicated by sequential flashing of the lights;

3. At the end of the self-diagnosis cycle, the light (B4) flashes and the other lights go off;
4. Place a container with a minimum capacity of 500 ml under the cappuccino maker (A6) and another container under the filter holder (fig. 6);
5. Turn the steam/hot water selector (A4) to the position and deliver about 0.5 l of hot water (fig. 7);
6. Turn the steam/hot water selector back to the **0** position and empty the container;
7. Turn the mode selector (B8) to the position (B5) and deliver about 0.5 l of water (fig. 8);
8. Turn the mode selector back to the position and empty the container;
9. Extract and fill the water tank, then repeat the operations from point 4 to point 8.



**Please note: we also recommend rinsing the internal circuits through if the appliance is not used for a long period.**

### ON/STAND-BY

When the main switch is in the **I** position, turn the appliance on and off (stand-by) by pressing the button (B1).

The appliance goes off (stand-by) automatically after a certain period of time (according to model).

### HOW TO MAKE ESPRESSO COFFEE USING PRE-GROUND COFFEE

1. Place the ground coffee filter (C2 or C3) in the filter holder (fig. 9). Use the filter to make one coffee or the filter to make two coffees;
2. To make just one coffee, place one level measure of pre-ground coffee (about 7 g) in the filter (fig. 10). 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.

3. Distribute the pre-ground coffee evenly and press lightly with the presser (fig. 11).  
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;
4. 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 OPEN

- symbol (fig. 4), attach the filter holder and rotate the handle towards the right until aligned with the ▼CLOSE CLOSE symbol (fig. 5);
- Place the cup or cups under the filter holder spouts (fig. 12). You are recommended to warm the cups before making coffee by rinsing them with a little hot water;
  - Make sure the ☞☞light (B4) is on, then turn the mode selector (B8) to the ☞☞ position (B5). The appliance starts delivering coffee;
  - Once the required quantity of coffee has been delivered into the cup, turn the mode selector to the ☞☞ position.

**i Please note:** 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. Wait for a few seconds after delivery.

## HOW TO PREPARE ESPRESSO COFFEE USING PODS

**i 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 pod coffee filter (C4 ☞☞) in the filter holder;
- Insert the pod, centring it as far as possible on the filter (fig. 13). Always follow the instructions on the pod pack to position the pod on the filter correctly;
- Follow the instructions from point 4 of the previous section, bearing in mind that you can make only one coffee at a time.

## HOW TO MAKE CAPPUCCINO

- Prepare the espresso coffees as described in the previous sections, using sufficiently large cups;
- Turn the mode selector (B8) to the ☞☞ position (B7) and wait for the corresponding light (B3) to come on;
- In the meantime, fill a recipient with about 100 grams 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. 14);

**i Please note:** You are recommended to use semi-skimmed milk at refrigerator temperature.

- Turn the cappuccino maker outwards (fig. 15);

- Place the recipient containing the milk under the cappuccino maker (fig. 16);
- Wait until the OK light comes on. This indicates that the boiler has reached the ideal temperature for steam production;
- Open the steam by turning the steam selector towards ☞☞ for a few seconds to eliminate any water in the circuit. Close the steam;
- Immerse the cappuccino maker in the milk for about 5 mm (fig. 17) and turn the steam selector to the ☞☞ position. The milk now starts to increase in volume and take on a creamy appearance;
- When the milk has doubled in volume, immerse the cappuccino maker deeply and continue heating the milk. When the required temperature is reached (the ideal is 60°C), interrupt steam delivery by rotating the steam selector to the 0 position and turn the selector to the ☞☞ position (fig. 18);
- 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;

**i 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.

You are recommended to deliver steam for a maximum of 60 seconds and never to froth milk more than three times consecutively.

**⚠ Important!** For hygiene reasons, the cappuccino maker should always be cleaned after use.

Proceed as follows:

- Deliver a little steam for a few seconds (points 2, 5 and 6 of the previous section). This causes the cappuccino maker to discharge any milk left inside. Turn the appliance off using the main switch;
- Wait for a few minutes to allow the cappuccino maker to cool down. Remove the cappuccino maker turning it anti-clockwise and pulling it downwards (fig. 19);
- Remove the cappuccino maker nozzle downwards (fig. 20);
- Make sure the holes in the cappuccino maker shown in fig. 21 are not blocked. If necessary, clean them with a pin;
- Clean the steam spout, taking care to avoid burns;
- Reinsert the nozzle and the cappuccino maker.

**⚠ Important!** After delivering steam, the ☞☞ and ☞☞ lights flash to indicate that the boiler is too hot to make coffee.

To cool the boiler down quickly:

- Place a recipient under the cappuccino maker and a cup under the filter holder.
- Turn the mode selector (B8) to the  position.
- Turn the steam selector (A4) to the **I** position.
- Then stop delivery from the cappuccino maker by turning the steam selector to the **0** position and delivering water from the filter holder.
- Then turn the mode selector to the  position.

## HOT WATER

1. Turn the appliance off using the main switch (A2). The  light is flashing.
2. Place a recipient under the cappuccino maker.
3. When the  light comes on steadily, turn the  selector (A4) to the **I** position. Water comes out of the cappuccino maker.
4. To interrupt hot water delivery, turn the  selector to the **0** position.

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

## CLEANING

### Cleaning the machine

The following parts of the machine must be cleaned regularly:

- the appliance's internal circuit;
- drip tray (A14);
- the coffee filters (C2, C3 and C4);
- the boiler outlet (A7);
- the water tank (A10);
- the hot water spout (A6) as described in the previous section;
- the hot water/steam connection.



### **Important!**

- Do not use solvents, abrasive detergents or alcohol to clean the coffee machine.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

### Cleaning the machine's internal circuit

If the appliance is not used for more than 3/4 days, before using it again, we strongly recommend you turn it on and rinse the internal circuits through as described in points 4 and 5 of the section "Setting up the appliance".

### Cleaning the drip tray



The drip tray is fitted with a level indicator (red) showing the level of water it contains. Before the indicator protrudes from the cup tray (fig. 22), 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. 23).
2. Remove the cup grille, empty the water (fig. 24) and clean the 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. 25).

### Cleaning the boiler outlet

After every 200 coffees, rinse the boiler outlet by delivering about 0.5 l of water from the boiler outlet (fig. 26).

### Cleaning the water tank

1. Clean the water tank regularly (about once a month) and whenever you replace the water softener filter (C9, \*if provided) with a damp cloth and a little mild washing up liquid.
2. Remove the filter (\*if present) and rinse with running water.
3. Replace the filter (\*if provided), fill the tank with fresh water and replace the tank.
4. (Models with water softener filter only) Deliver about 100 ml of water.

## DESCALING

Descal the appliance regularly after a period of time established according to water hardness.

### Measuring water hardness

1. Remove the "TOTAL HARDNESS TEST" indicator paper from its pack (attached to the English instructions).
2. Immerse the paper completely in a glass of water for one second.
3. Remove the paper from the water and shake lightly. After about a minute, 1, 2, 3, or 4 red squares form, depending on the hardness of the water. Each square corresponds to one level.

## How often should you descale

The following table shows the number of months of use and corresponding litres of water used:

No. of red squares on the indicator paper	Months of use	No. litres
0	8	240
1	7	180
2	6	120
3	4	70
4	2	40

## Descaling process



### Important!

- Before use, read the instructions and the labelling on the descaler pack.
- 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.

1. Empty the water tank completely and remove the water softener filter (if present). Fill the tank with the descaler solution, obtained by diluting the descaler with water following the instructions on the pack;
2. Place a container under the boiler outlet and another under the hot water spout (fig. 27). Make sure the filter holder is not attached and the drip tray is empty and inserted correctly;
3. Turn the mode selector (B8) to the  position and deliver about a quarter of the solution in the tank. At intervals, turn the steam/hot water selector (A4) to the I position to deliver a little hot water. Stop delivery by turning the selector to the  position and leave the solution to work for about 5 minutes;
4. Repeat point 3 another 3 times, until the tank is empty;
5. To eliminate residues of solution, extract the water tank, empty, rinse under running water, fill with clean water up to the MAX level, insert the filter (if removed previously) and put the water tank back in the machine;
6. Empty the containers and replace them under the boiler outlet and the cappuccino maker;
7. Turn the mode selector to the  position; at intervals, turn the steam/hot water selector (A4) to the  position and deliver water until the tank is empty.
8. Extract the water tank again, empty, fill with fresh water up to the MAX level, put back in the appliance and repeat points 6 and 7.

9. Refill the tank.

The appliance is ready for use.



### Please note!

- If the descaling cycle is not completed correctly (e.g. no electricity) we recommend repeating the cycle.
- Repair of damage to the coffee maker caused by scale is not covered by the guarantee unless descaling is performed regularly as described above.

## TECHNICAL DATA

Mains voltage:	220-240V-50/60Hz
Absorbed power:	1450W
Size LxHxD:	305x275x320 mm
Thermoblock:	Stainless steel/aluminium
Pressure:	15 bar
Water tank capacity:	1 l
Power cord length:	1200 mm
Weight:	5,4 kg



The appliance complies with the following EC directives:

- Stand-by Directive no. 1275/2008;
- Materials and accessories coming into contact with food conform to EEC regulation 1935/2004.

## DISPOSAL



The appliance must not be disposed of with household waste, but taken to an authorised waste separation and recycling centre.

## EXPLANATION OF LIGHTS

LIGHTS	MODE SELECTOR (B8)	SELECTOR (A4)	EXPLANATION OF LIGHTS
			<p>Whenever the appliance is turned on by pressing the main switch (A2) to the I position, it performs an automatic self-diagnosis cycle.</p>
			<p>The appliance is heating up to deliver coffee or hot water.</p>
			<p>The appliance has reached the ideal temperature to deliver coffee or hot water.  <b>COFFEE:</b> turn the selector (B8) to the ☕ position.  <b>HOT WATER:</b> turn the selector (A4) to the ☕ position.</p>
			<p>The selector (B8) is in the ☕ position. The corresponding light flashes to indicate that the appliance is heating up to deliver steam.</p>
			<p>The appliance has reached the ideal temperature to deliver steam.  Turn the selector (A4) to the ☕ position to begin delivery.</p>
			<p>After delivering steam, the temperature is too hot to make coffee. Wait or follow the procedure indicated at the end of the section: "How to make cappuccino". If you want to make cappuccino or hot water, you can proceed as normal.</p>
			<p>If the appliance is not used for a certain period of time, it switches to stand-by. To turn it on again, press the ⏻ button.</p>

## TROUBLESHOOTING

Below is a list of some of the possible malfunctions.

If the problem cannot be resolved as described, contact Customer Services.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The appliance does not come on	The power cord is not inserted correctly	Make sure the power cord connector is fully inserted into the socket on the back of the appliance, then make sure the plug is correctly plugged into the mains socket
No espresso coffee is delivered	No water in the tank	Fill the tank with water
	The holes in the filter holder are blocked	Clean the filter holder spout holes
	The espresso boiler outlet is blocked	Clean as described in the chapter "Cleaning the boiler outlet"
	Scale in the water circuit	Descale as described in the section "Descaling"
	The tank is not correctly in place and the valve on the bottom is not open	Press the tank down lightly to open the valve on the bottom
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
	The espresso boiler gasket has lost elasticity or is dirty	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 pump is excessively noisy	The water tank is empty	Fill the tank
	The tank is not correctly in place and the valve on the bottom is not open	Press the tank down lightly to open the valve on the bottom
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
After delivering coffee, the filter (C2, C3 or C4) remains attached to the boiler outlet		Reinsert the filter holder, then remove it.

No milk froth is formed when making cappuccino	Milk not cold enough	Always use milk at refrigerator temperature
	Cappuccino maker dirty	Clean the holes in the cappuccino maker thoroughly
	Scale in the water circuit	Descale as described in the “Descaling” section
The appliance switches off	Auto-off has been triggered	Press the main switch to turn the appliance on again

## ELECTRICAL REQUIREMENTS (UK ONLY)

Before using this appliance ensure that the voltage indicated on the product corresponds with the main voltage in your home, if you are in any doubt about your supply contact your local electricity company.

The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 13 amp capacity.

Should this plug not fit the socket outlets in your home, it should be cut off and replaced with a suitable plug, following the procedure outlined below.

Note: Such a plug cannot be used for any other appliance and should therefore be properly disposed of and not left where children might find it and plug it into a supply socket - with the obvious consequent danger.

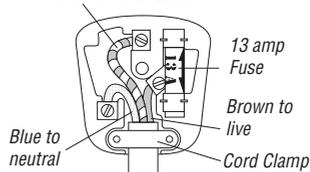
N.B. We recommend the use of good quality plugs and wall sockets that can be switched off when the machine is not in use.

IMPORTANT: the wires in the mains lead fitted to this appliance are coloured in accordance with the following code:

GREEN AND YELLOW  
BLUE  
BROWN

EARTH  
NEUTRAL  
LIVE

*Green and Yellow to Earth*



As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol  or coloured green or green and yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

When wiring the plug, ensure that all strands of wire are securely retained in each terminal. Do not forget to tighten the mains lead clamp on the plug. If your electricity supply point has only two pin socket outlets, or if you are in doubt, consult a qualified electrician.

Should the mains lead ever require replacement, it is essential that this operation be carried out by a qualified electrician and should only be replaced with a flexible cord of the same size.

After replacement of a fuse in the plug, the fuse cover must be refitted. If the fuse cover is lost, the plug must not be used until a replacement cover is obtained. The colour of the correct replacement fuse cover is that of the coloured insert in the base of the fuse recess or elsewhere on the plug. Always state this colour when ordering a replacement fuse cover.

Only 13amp replacement fuses which are B.S. 1362 should be fitted.

This appliance conforms to the Norms EN 55014 regarding the suppression of radio interference.

Warning - this appliance must be earthed