

## 1. DESCRIPTION (page 3)

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

### 1.1 Description of the appliance

- A1. Water tank lid
- A2. Tank extraction handle
- A3. Water tank
- A4. Cup warmer
- A5. Coffee outlet
- A6. ON/OFF switch
- A7. Cup tray
- A8. Drip tray full indicator
- A9. Drip tray
- A10. Mugs or glasses tray
- A11. Steam dial
- A12. Hot water/steam spout
- A13. Hot water/steam connection nozzle
- A14. Cappuccino maker selection ring
- A15. Hot water/steam connection tube

### 1.2 Description control panel

- B1. One cup button
- B2. ON light on button (white)
- B3. Two cups button
- B4. ON light on button (white)
- B5. Steam button
- B6. ON light on button (white)
- B7. Descale light (orange)

### 1.3 Description of the accessories

- C1. Filter holder
- C2. 1 cup filter ( symbol under filter)
- C3. 2 cup filter ( symbol under filter)
- C4. Pod filter ( symbol under filter)
- C5. Tamper
- C6. Water softener filter (\*not included, can be purchased from authorised Customer Services)
- C7. Milk jug

## 2. FILLING THE WATER TANK

### **Please note:**

**Before first use**, wash all the accessories and water tank with warm water.

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 removing it, 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.

## 3. FIRST USE

At first use, rinse the internal circuit as follows:

1. 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.
2. 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 operating the rinse.
3. Attach the filter holder to the appliance (fig. 9).
4. Place a container with a minimum capacity of 500 ml under the coffee outlet (A5) (fig. 4) and press the  button. Repeat this operation 5 times.
5. Empty the container and put it under the hot water/steam spout (A12) (fig. 4).
6. Turn the hot water/steam dial to the  position (fig. 5) and deliver to empty the water tank (A3); then turn the knob to the **0** position.

## 4. 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.

### 4.1 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:



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



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

The appliance exits the menu and is ready for use.

## 4.2 Setting water hardness

The light (B7) indicating that the coffee maker 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:

- 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 <sub>3</sub>	180-360mg/l CaCO <sub>3</sub>	>360mg/l CaCO <sub>3</sub>

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

The appliance exits the menu and is ready for use.

## 4.3 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.

## 4.4 Default values (reset)

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

To reset the default values, proceed as follows:

- Position the steam spout over the drip tray;
- 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.

## 5. HOW TO MAKE ESPRESSO COFFEE

### 5.1 Tips for a hotter coffee

For hotter espresso coffee, you should:

- You are recommended to warm the cups before making coffee by rinsing them with a little hot water.
- 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 (A4) which becomes hot during operation.



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

## 5.2 How to prepare espresso coffee using pre-ground coffee

1. Place the ground coffee filter (C2 or C3) 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.
2. 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.

3. Distribute the pre-ground coffee evenly and press lightly with the tamper (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.

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 INSERT symbol (fig. 9), attach the filter holder and rotate the handle towards the right until aligned with the CLOSE symbol.
5. Place the cup or cups under the filter holder spouts (fig. 10).
6. 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.
7. 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.

## 5.3 How to make espresso coffee using pods

### **Please note:**

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

1. Place the filter for coffee pods (with the  symbol on the bottom) in the filter holder.
2. 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.

## 5.4 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:

1. Place one or two cups under the filter holder spouts.
2. Press and hold the button you want to programme ( or ). The coffee maker starts delivering coffee and the other coffee button flashes to indicate that the appliance is in programming mode.
3. 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.
4. When the two coffee lights come on steadily, the appliance is ready for use.

## 6. HOW TO MAKE CAPPUCCINO

1. Prepare the espresso coffees as described in the previous sections, using sufficiently large cups. To use tall glasses, remove the drip tray and stand the glasses on the glasses tray (A10);

- Press the  button (fig. 12). The light flashes;
- In the meantime, fill a recipient with about 100 grams of milk for each cappuccino to be prepared. For a denser more even froth, you must use skimmed or partially skimmed milk at refrigerator temperature (about 5°C). In choosing the size of the recipient, bear in mind that the milk doubles or triples in volume (fig. 13).
- Make sure the cappuccino maker selection ring (A14) is in the "CAPPUCCINO" position (fig. 14);
- 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.
- Immerse the cappuccino maker in the milk container. Never immerse the black ring (fig. 15). Turn the dial to the  position. Steam is delivered from the cappuccino maker, giving the milk a creamy frothy appearance (fig. 16). To obtain a creamier froth, immerse the cappuccino maker in the milk and rotate the container with slow upward movements.
- 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  and  lights 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.

## 7. MAKING HOT MILK

To make hot milk without froth, proceed as described in the above section, making sure the cappuccino maker selection ring (A14) is positioned upwards in the "HOT MILK" position.

## 8. CLEANING THE CAPPUCCINO MAKER AFTER USE

### Important:

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

Proceed as follows:

- Turn the steam dial to 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. Press the ON/OFF button to turn the appliance off.
- Wait a few minutes for the cappuccino maker to cool down. 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. 17).
- Remove the rubber steam connection nozzle from the spout by pulling it downwards (fig. 18).
- Push the ring upwards and make sure the two holes shown by the arrows in fig. 19 are not blocked. If necessary, clean with a pin;
- Replace the nozzle, move the ring downwards and put the cappuccino maker back on the connection nozzle, turning it and pushing it upwards until it is attached.

## 9. 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.

## 10. HOT WATER

- Press the ON/OFF button (fig. 3) to turn the appliance on. Wait for the coffee lights to come on steadily.
- Place a recipient under the cappuccino maker.
- Turn the dial to the  position. Hot water is delivered from the cappuccino maker.
- To stop hot water delivery, close the dial and press any button.

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

## 11. CLEANING

### 11.1 Cleaning the machine

The following parts of the machine must be cleaned regularly:

- drip tray (A9)
- the coffee filters (C2, C3 and C4);
- the coffee outlet (A5);
- water tank (A3);
- the cappuccino maker (A15) as described in section "8. Cleaning the cappuccino maker after use";

**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.
- If the appliance is not used for more than one week, before using it again, we strongly recommend you perform a rinse cycle as described in section "3. first use".

**Danger!**

- While 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.

## 11.2 Cleaning the drip tray

**Important!**

The drip tray is fitted with a level indicator (red) showing the level of water it contains (fig. 20). 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. 21).
2. Remove the cup tray (A7), empty the water and clean the drip tray with a cloth, then reassemble the drip tray. Extract the mugs or glasses tray (A10), clean with water, dry and put back in the machine;
3. Put the drip tray back in place.

## 11.3 Cleaning the coffee filters

Clean the coffee filters weekly:

**1 and 2 cup filters**

1. Extract the perforated filter by pulling the tab (fig. 22);
2. Rinse the filters under running water (fig. 23);
3. Make sure the holes are not blocked. If necessary, clean with a pin (figs. 23 and 24);
4. Place the perforated filter in the filter housing and press as far as it will go.

**Pod filter**

Rinse under running water. Make sure the holes are not blocked. If necessary, clean with a pin (figs. 23 and 24).

## 11.4 Cleaning the coffee outlet

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

## 11.5 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.

## 11.6 Cleaning the water tank

1. Clean the water tank regularly (about once a month) and whenever you replace the water softener filter (C6, \*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. Put the filter (\*if provided) back in the appliance, fill the tank with fresh water and replace the tank;
4. (Models with water softener filter only) Deliver about 100 ml of water.

**Danger!**

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

## 11.7 Descale

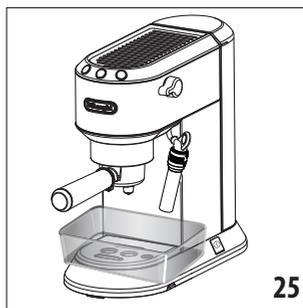
Descalcify the appliance when the orange light on the  button comes on.

**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.

Proceed as follows:

1. (IF PRESENT, REMOVE THE WATER SOFTENER FILTER). Fill the tank with the descaler solution, obtained by diluting the descaler provided with water (fill the water tank up to the MAX level).
2. Press the ON/OFF button.



3. Make sure the filter holder is not attached and position a recipient under the hot water spout and coffee outlet (A5) (fig. 25).
4. Wait for the  and  lights to come on steadily, indicating that the appliance is ready for use.
5. Press and hold the  button for 10 seconds until the three buttons flash in sequence.
6. Turn the steam dial to the  position.
7. Press the  button to start descaling.
8. 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 coffee outlet, close the steam dial from time to time to deliver small quantities of descaler from the coffee outlet.

9. The appliance stops operation and the orange  light continues to flash, indicating that descaling is still underway.
10. The appliance 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 and put back in the appliance (If used, insert the water softener filter).
11. Empty the container used to collect the descaler solution and replace it empty under the hot water spout.
12. Make sure the steam dial is in the  position, then press the  button to start rinsing.

**Please note:**

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

13. When the water tank is empty, the orange light goes out and descaling is complete.
14. Make sure the steam dial is in the closed position ( symbol).

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;
- If the water tank has not been filled to the MAX level, at the end of descaling, the appliance requests a further rinse to guarantee that the descaler solution has been completely eliminated from the machine's internal circuits.

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

**12. TECHNICAL DATA**

Mains voltage: .....	220-240V~50/60Hz
Absorbed power:.....	1350 W
Pressure: .....	15 bar
Water tank capacity: .....	1 l
Size LxHxD.....	149x305x330 (414)mm
Weight.....	4.04 kg



None of the components or accessories is dishwasher safe.

**13. 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 of the lights
	When the appliance is turned 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 the section "2. Filling the water tank"

  	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
   <i>orange flashing</i>	The appliance needs descaling	Descale the appliance, the operation is complete when the  light goes off.
  	Steam dial open	Flashing lights: close the steam dial
	High boiler temperature	Flashing lights: Cool as described in section "9. Cooling the boiler"

## 14. 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 filter is blocked	Clean as described in section "11.3 Cleaning the coffee filters"
	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 section "11.7 Descale"
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 filter holder spout holes
	The filter or the perforated filter is blocked	Clean as described in section "11.3 Cleaning the coffee filters"
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 not enough pre-ground coffee	Reduce the quantity of pre-ground coffee
	The espresso coffee outlet is blocked	Clean as described in section "11.4 Cleaning the coffee outlet"
	The filter or the perforated filter is blocked	Clean as described in section "11.3 Cleaning the coffee filters"
	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 section "11.7 Descale"
After delivering coffee, the filter remains attached to the coffee 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 coffee outlet is blocked	Clean as described in section "11.4 Cleaning the coffee outlet"
	The filter is blocked	Clean as described in section "11.3 Cleaning the coffee filters"
	Limescale in the water circuit	Descale as described in section "11.7 Descale"
The appliance does not function and all the lights flash		Disconnect the appliance immediately and contact authorised Customer Services.
No milk froth is formed when making cappuccino	The ring is in the "HOT MILK" position	Push the ring into the "CAPPUCCINO" position.
	Milk not cold enough	Always use milk at refrigerator temperature
	Cappuccino maker dirty	Clean as described in section "8. Cleaning the cappuccino maker after use"
	Limescale in the water circuit	Descale as described in section "11.7 Descale"
At the end of descaling, the appliance requests a further rinse	During the rinse cycle, the water tank has not been filled to the MAX level	Repeat the rinse cycle from point 10 of the section "Explanation of lights" "11.7 Descale"