

## CONTENTS

<b>FUNDAMENTAL SAFETY WARNINGS</b> .....	7
<b>IMPORTANT SAFETY WARNINGS</b> .....	8
Symbols used in these instructions .....	8
Designated use .....	8
Instruction for Use.....	8
<b>INTRODUCTION</b> .....	8
Letters in brackets.....	8
Troubleshooting and repairs .....	8
<b>DESCRIPTION</b> .....	9
Description of the appliance .....	9
Description of the control panel .....	9
Description of the accessories .....	9
Description of the lights.....	9
<b>BEFORE USE</b> .....	9
Checking the appliance .....	9
Installing the appliance .....	10
Connecting the appliance .....	10
Setting up the appliance.....	10
<b>TURNING THE APPLIANCE ON</b> .....	10
<b>TURNING THE APPLIANCE OFF</b> .....	10
<b>MENU SETTINGS</b> .....	11
Descaling .....	11
Auto-off.....	11
Setting the temperature .....	11
Energy saving.....	11
Setting water hardness .....	11
Install filter .....	11
Replacing the filter .....	11
Default values (reset).....	11
Statistics function .....	11
MY COFFEE.....	12
<b>MAKING COFFEE</b> .....	12
Selecting the coffee taste.....	12
Selecting the quantity of coffee in the cup.....	12
Customising the “my coffee” quantity .....	12
Adjusting the coffee mill .....	12
Tips for a hotter coffee .....	12
Making coffee using coffee beans .....	13
Making coffee using pre-ground coffee .....	13
<b>MAKING CAPPUCCINO</b> .....	13
Cleaning the cappuccino maker after use.....	14
<b>HOT WATER</b> .....	14
<b>CLEANING</b> .....	14
Cleaning the machine .....	14
Cleaning the coffee grounds container.....	14
Cleaning the drip tray and condensate tray.....	14
Cleaning the inside of the coffee machine .....	15
Cleaning the water tank.....	15
Cleaning the coffee spouts.....	15
Cleaning the pre-ground coffee funnel.....	15
Cleaning the infuser.....	15
<b>DESCALING</b> .....	15
<b>SETTING WATER HARDNESS</b> .....	16
Measuring water hardness.....	16
Setting water hardness .....	16
<b>WATER SOFTENER FILTER (IF PRESENT)</b> .....	16
Installing the filter .....	16
Replacing the filter .....	17
Removing the filter.....	17
<b>TECHNICAL DATA</b> .....	17
<b>DISPOSAL</b> .....	17
<b>MEANING OF ALARM LIGHTS</b> .....	18
<b>TROUBLESHOOTING</b> .....	20
<b>ELECTRICAL CONNECTION (UK ONLY)</b> .....	21

## 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 power cable 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 if they understand the hazard involved. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised.  
Keep the appliance and its cord out of the reach of children aged less than 8 years.
- Appliances can be used by 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 if they understand the hazards involved.
- Children shall not play with the appliance.
- When not in use and before putting on or taking off parts or cleaning, always unplug the appliance.



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

## IMPORTANT SAFETY WARNINGS

### 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 may result in life threatening injury by electric shock.



#### **Important!**

Failure to observe the warning could result in i Danger of burns! njury 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 and information for the user.



#### **Danger!**

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 mains 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:**

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



#### **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 shelf may become hot.

### 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 injury 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.

## INTRODUCTION

Thank you for choosing this automatic bean to cup espresso and cappuccino machine.

We hope you enjoy using your new appliance.

Take a few minutes to read this Instruction for Use. This will avoid all risks and damage to the appliance.

### Letters in brackets

The letters in brackets refer to the legend in the description of the appliance on pages 2-3.

### Troubleshooting and repairs

In the event of problems, first try and resolve them following the information given in the sections "Meaning of alarm lights" on page 18 and "Troubleshooting" on page 20.

If this does not resolve the problem or you require further information, you should consult Customer Services by calling the number given on the annexed "Customer Services" sheet.

If your country is not among those listed on the sheet, call the number given in the guarantee. If repairs are required, contact De'Longhi Customer Services only. The addresses are given in the guarantee leaflet provided with the machine.

## DESCRIPTION

### Description of the appliance







(page 3 - A )

- A1. Control panel
- A2. Grinding adjustment dial
- A3. Cup shelf
- A4. Beans container lid
- A5. Pre-ground coffee funnel
- A6. Pre-ground coffee funnel
- A7. Beans container
- A8. Main switch
- A9. Water tank
- A10. Infuser door
- A11. Infuser
- A12. Coffee spout (adjustable height)
- A13. Coffee grounds container
- A14. Condensate tray
- A15. Cup tray
- A16. Drip tray water level indicator
- A17. Drip tray
- A18. Cappuccino maker
- A19. Steam/hot water dial

### Description of the control panel

(page 2 - B )

*A number of buttons on the control panel have a double function. This is indicated in brackets in the description.*


- B1. Lights.
- B2.  button: turns the appliance on and off.
- B3. **P** button to access the menu.
- B4.  button: to perform a rinse cycle.  
*(When in the settings MENU, it acts as the "ESC" button to exit from the selected function and go back to the main menu)*
- B5. Selection dial: turn to select the required quantity of coffee. *(When in the settings MENU, turn to select the required function).*
- B6.  aroma selection button: to select the coffee taste.
- B7.  button: to make 1 cup of coffee with the settings displayed.
- B8.  button: to make 2 cups of coffee with the settings displayed.
- B9.  button: to deliver steam to make cappuccino and milk-based drinks. *(When you access the MENU: "OK" button to confirm the selection made)*

### Description of the accessories

(page 2 - C )


- C1. Measure
- C2. Cleaning brush
- C3. Descaler bottle
- C4. Water softener filter (certain models only)


### Description of the lights


 Light flashing: the machine is heating up or a rinse cycle is underway.


 The appliance is delivering two cups of coffee.


**E** "Energy Saving" mode is active.


 Light on steadily: the "steam" function has been selected;  
Light flashing: you must turn the steam dial.

 An alarm is displayed on the control panel (see the section: "Explanation of the lights").

 Light flashing: the water softener filter must be replaced.

 Light on steadily: the coffee grounds container is missing and must be inserted;  
Light flashing: the coffee grounds container is full and must be emptied.

 Light on steadily: the water tank is missing;  
Light flashing: there is not enough water in the tank.

 Light flashing: the appliance must be descaled (see the section "Descaling").

**<ESC** Indicates the button to press to exit the settings menu or selected function.

**OK >** Indicates the button to press to confirm the function selected in the settings menu.

## BEFORE 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.

## Installing the appliance



### **Important!**

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

- 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.
- 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 appliance.
- Water penetrating the appliance could cause damage.  
Do not place the appliance near taps or sinks.
- Arrange the power cord in such a way that it cannot be damaged by sharp edges or contact with hot surfaces (e.g. electric hot plates).

## Connecting the appliance



### **Important!**

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

Connect the appliance to an efficiently earthed and correctly installed mains 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.


## Setting up the appliance




### **Please note :**

- Coffee has been used to factory test the appliance and it is therefore completely normal for there to be traces of coffee in the mill. The machine is, however, guaranteed to be new.
- You should customise water hardness as soon as possible following the instructions in the section "Setting water hardness" on page 16.

Proceed as described:

1. Remove the water tank (A9), fill to the MAX line with fresh water (fig. 1A) then put back in the appliance (fig. 1B).
2. Place a container with a minimum capacity of 100 ml under the cappuccino maker (A18) (fig. 2).
3. Plug the appliance into the mains socket and place the main switch (A8) on the back of the appliance in the I position (fig. 3).
4. The  light flashes on the control panel (fig. 4).

5. Turn the steam dial (A19) to the "I" position (fig. 5) and press the  button to confirm (fig. 6). The appliance delivers water from the cappuccino maker and then goes off.

6. Turn the steam dial to the "0" position.

The bean to cup espresso and cappuccino machine is now ready for normal use.



### **Please note :**

- The first time you use the appliance, you need to make 4-5 cups of coffee or 4-5 cappuccinos before the appliance starts to give satisfactory results.
- To enjoy your coffee even more and improve the performance of your appliance, we recommend installing a water softener filter (C4) as described in the section "WATER SOFTENER FILTER" (page 16). If your model is not provided with a filter, you can request one from De'Longhi Customer Services.

## TURNING THE APPLIANCE ON





### **Please note :**

- Before turning the appliance on, make sure the main switch (A8) on the back of the appliance is in the I position (fig. 3).
- Each time the appliance is turned on, it performs an automatic preheat and rinse cycle which cannot be interrupted. The appliance is ready for use only once this cycle is complete.



### **Danger of burns!**

During rinsing, a little hot water comes out of the coffee spouts (A12) and is collected in the drip tray underneath. Take care to avoid contact with splashes of water.

- To turn the appliance on, press the  button (fig. 7). The  light flashes while the appliance is heating up and performing an automatic rinse cycle. By circulating hot water, the appliance heats both the boiler and the internal circuits.

The appliance is at temperature when the  light goes off and the coffee lights come on.

## TURNING THE APPLIANCE OFF


Whenever the appliance is turned off after being used to make coffee, it performs an automatic rinse cycle.



### **Danger of burns!**

During rinsing, a little hot water flows from the coffee spouts (A12).


Take care to avoid contact with splashes of water.

To turn the appliance off, press the  button (fig. 6). If present, the appliance performs a rinse cycle then goes off.

**i Please note :**

If the appliance is not used for an extended period, place the main switch (A8) in the 0 position (fig. 3).

**! Important!**

To avoid damaging the appliance, never place the main switch (fig. 3) in the 0 position until the appliance has been turned off using the  button.

**MENU SETTINGS**

When you access the settings menu by pressing the P button, the following menu items can be selected: Descaling, Auto-off, Set temperature, Energy saving, Water hardness, Install filter, Replace filter, Default values, Statistics.



**Descaling**

For instructions on descaling, see page 15.

**Auto-off**

The time can be changed so that the appliance switches off after being idle for 15 or 30 minutes, or after 1, 2 or 3 hours.

To reprogramme auto-off, proceed as follows:

1. Press the **P** button to enter the menu;
2. Turn the selection dial (fig. 8) until the  light comes on;
3. Press the  button to select the function;
4. Turn the selection dial until the lights corresponding to the number of hours before the appliance goes off automatically come on:



15 minutes					
30 minutes					
1 hour					
2 hours					
3 hours					

5. Press the  button to confirm;
6. Press the  button to exit the menu.

Auto-off is programmed.

**Setting the temperature**

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

1. Press the **P** button to enter the menu;
2. Turn the selection dial until the  light comes on;
3. Press the  button;
4. Turn the selection dial until the lights corresponding to the required temperature come on:





LOW					
MEDIUM					

HIGH     

5. Press the  button to confirm;
6. Press the  button to exit the menu.

**Energy saving**

Use this function to enable or disable energy saving. When enabled, the function reduces energy consumption in compliance with European regulations.

1. Press the **P** button to enter the menu;
2. Turn the selection dial until the **E** light comes on.
3. Press the  button. The **OK** light flashes.
4. Press the  button to enable or  disable energy saving mode;
5. Press the  button to exit the menu.

When the function is enabled, the **E** light remains on.

**i Please note :**

When in energy saving mode, a few seconds may elapse before the first coffee is delivered as the appliance must heat up again.

**Setting water hardness**

For instructions on setting water hardness, see page 16.

**Install filter**





For instructions on how to install the filter, see the section "Water softener filter" (page 16).

**Replacing the filter**

For instructions on how to replace the filter, see the section "Water softener filter" (page 16).




**Default values (reset)**

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

1. Press the **P** button to enter the menu;
2. Turn the selection dial until the   lights come on;
3. Press the  button. The **OK** light flashes;
5. Press the  button to confirm and exit.

**Statistics function**

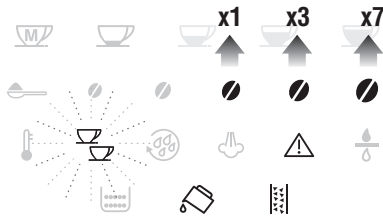
This displays statistics relating to the machine. To display, proceed as follows:

1. Press the **P** button to enter the menu;
  2. Turn the selection dial until the  light comes on;
  3. Press the  button;
  4. When the selection dial is turned and the corresponding light flashes, the following information is displayed:
-  how many coffees have been made;

- how many times the machine has been descaled;
  - the total number of litres of water delivered;
  - how many times the water softener filter has been replaced;
5. The quantities are indicated by the flashing beans as follows:



Example: you want to know how many coffees have been made. Enter the menu and select the light.



Count the flashes of the beans - 137 coffees have been made.

6. Quickly press the button twice to exit the menu.

## MAKING COFFEE

### Selecting the coffee taste

The appliance is set by default to make coffee with a standard taste.

You can also choose one of these tastes:

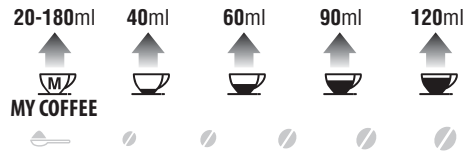


To change the taste, press the button (fig. 9) repeatedly until the required taste is displayed.

### Selecting the quantity of coffee in the cup

The appliance is set by default to make a standard quantity of coffee.

To select the quantity of coffee, turn the selection dial (fig. 8) until the light corresponding to the required quantity of coffee comes on:



### Customising the “my coffee” quantity

The appliance is set by default to automatically deliver 30 ml of “my coffee”. To modify this quantity, proceed as follows:

1. Place a cup under the coffee spouts (fig. 10).
2. Turn the selection dial (fig. 8) until the light comes on;
3. Press the 1 cup button (fig. 11) until the light starts flashing and the appliance starts delivering coffee, then release the button;
4. As soon as the coffee in the cup reaches the required level, press the 1 cup button (fig. 11) again.

The quantity of coffee in the cup has now been programmed.

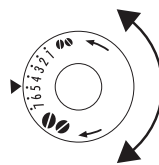
### Adjusting the coffee mill

The coffee mill is set by default to prepare coffee correctly and should not require regulating initially.

However, if after making the first few coffees you find that the coffee is either too weak and not creamy enough or delivery is too slow (a drop at a time), this can be corrected by adjusting the grinding adjustment dial (A2) (fig. 13).

#### Please note :

The grinding adjustment dial (A2) must only be turned when the coffee mill is in operation.



If the coffee is delivered too slowly or not at all, turn one click clockwise.

For fuller bodied creamier coffee, turn one click anticlockwise (do not turn more than one click at a time otherwise the coffee could be delivered a drop at a time).

These adjustments will only be evident after at least 2 cups of coffee have been delivered. If this adjustment does not obtain the desired result, turn the dial another click.

### Tips for a hotter coffee

For hotter coffee, you should:

- before delivering the coffee, perform a rinse cycle by pressing the button. Hot water is delivered from the spout,



heating the internal circuits of the appliance and thus raising the coffee temperature;

- warm the cups with hot water (using the hot water function).
- set a hotter coffee temperature (see section “Setting the temperature”).

### Making coffee using coffee beans





#### **Important!**

Do not use caramelised or candied coffee beans as they could stick to the coffee mill and damage it.

1. Fill the container with coffee beans (fig. 13).
2. Place under the coffee spouts:
  - 1 cup, if you want to make 1 coffee (fig. 10);
  - 2 cups if you want 2 coffees.
3. Lower the spouts as near as possible to the cup. This makes a creamier coffee (fig. 14).
4. Press the button corresponding to the number of coffees required (1 cup  or 2 cups  (figs. 11 and 15)).
5. Preparation begins and the lights corresponding to the taste and quantity of coffee selected are displayed.

Once the coffee has been made, the appliance is ready to make the next drink.

#### **Please note :**

- While the appliance is making coffee, delivery can be interrupted at any moment by pressing one of the two coffee buttons ( or .
- At the end of delivery, to increase the quantity of coffee in the cup, just press (within 3 seconds) one of the coffee buttons ( or .

#### **Please note :**

For hotter coffee, see the section “**Tips for a hotter coffee**”.

#### **Important!**

- If the coffee is delivered a drop at a time, too weak and not creamy enough or too cold, read the tips in the “Troubleshooting” section (page 20).
- Lights may be displayed on the control panel during use. Their meaning is given in the section “Explanation of lights” on page 18.

### Making coffee using pre-ground coffee

#### **Important!**




- Never place coffee beans in the pre-ground coffee funnel as this could damage the appliance.

- Never add pre-ground coffee when the machine is off or it could spread through the inside of the machine and dirty it. This could damage the appliance.
- Never use more than 1 level measure or it could dirty the inside of the machine or block the funnel.



#### **Please note :**

When you use pre-ground coffee, you can only make one cup of coffee at a time.

1. Make sure the appliance is on.
2. Press the  button repeatedly (fig. 9) until the  symbol appears.
3. Make sure the funnel is not blocked, then add one level measure of pre-ground coffee (fig. 16).
4. Place a cup under the coffee spouts.
5. Press the 1 cup coffee button  (fig. 11).
6. Preparation begins.

### MAKING CAPPUCCINO




#### **Danger of burns!**

During preparation, steam is given off. Take care to avoid scalds.

1. When preparing cappuccino, make the coffee in a large cup;
2. Fill a container (preferably one with a handle to avoid scalding) with about 100 ml of milk for each cappuccino. In choosing the size of the container, bear in mind that the milk doubles or triples in volume.

#### **Please note :**

For a richer denser froth, use skimmed or partially skimmed milk at refrigerator temperature (about 5°C). To avoid milk with poor froth or large bubbles, always clean the cappuccino maker as described in the following section “Cleaning the cappuccino maker after use”.

3. Press the  button. The  light flashes.
4. Immerse the cappuccino maker in the milk container (fig. 20).
5. After a few seconds, when the  light flashes, turn the steam dial to the I position (fig. 4). Steam is delivered from the cappuccino maker, giving the milk a creamy frothy appearance and making it more voluminous;
6. For a creamier froth, rotate the container with slow movements in an upward direction. (You should not deliver steam for more than 3 minutes at a time);
7. When you have obtained the required froth, stop steam delivery by turning the steam dial back to the 0 position.



### **Danger of burns!**

Stop steam delivery before removing the container with the frothed milk to avoid burns caused by splashes of boiling milk.

8. Add the milk froth to the coffee prepared previously. The cappuccino is ready. Sweeten to taste and, if desired, sprinkle the froth with a little cocoa powder.

### **Cleaning the cappuccino maker after use.**

Clean the cappuccino maker each time you use it to avoid the build-up of milk residues or blockages.

1. Place a container under the cappuccino maker and deliver a little water for a few seconds by turning the steam dial to the I position. Then turn the steam dial to the 0 position to stop hot water delivery.
2. Wait for a few minutes for the cappuccino maker to cool down, hold the handle of the cappuccino tube in one hand and with the other turn the cappuccino maker anticlockwise (fig. 19) then remove by pulling downwards.
3. Also remove the steam connection nozzle by pulling it downwards (fig. 20).
4. Make sure the two holes shown by the arrow in fig. 21 are not blocked. If necessary, clean using a toothpick.
5. Wash all parts of the cappuccino maker thoroughly with a sponge and warm water.
6. Reinsert the connection nozzle and replace the cappuccino maker on the nozzle, turning it and pushing it upwards until it is attached.

## **HOT WATER**

### **Danger of burns!**

Never leave the machine unattended while delivering hot water. The hot water spout becomes hot while water is being delivered and must be handled by the handle only.

1. Place a container under the cappuccino maker (as close as possible to avoid splashes).
2. Turn the steam dial to the I position. Delivery begins.
3. Stop by turning the steam dial to the 0 position.

### **Please note:**

If "energy saving" mode is active, you may have to wait a few seconds before the hot water is delivered.

## **CLEANING**

### **Cleaning the machine**

The following parts of the machine must be cleaned regularly:


- coffee grounds container (A13),
- drip tray (A17) and condensate tray (A14),

- water tank (A9),
- coffee spouts (A12),
- pre-ground coffee funnel (A6),
- inside of the machine, accessible after opening the infuser door (A10),
- infuser (A11).

### **Important!**

- Do not use solvents, abrasive detergents or alcohol to clean the machine. With De'Longhi superautomatic machines, you need not use chemical products to clean the machine. The descaler recommended by De'Longhi is made from natural and completely biodegradable substances.
- None of the components can be washed in a dishwasher.
- Do not use metal objects to remove scale or coffee deposits as they could scratch metal or plastic surfaces.

### **Cleaning the coffee grounds container**

When the  light flashes, the coffee grounds container must be emptied and cleaned. Unless you clean the grounds container, the light will continue to flash and the appliance cannot be used to make coffee. To clean (with the machine on):

- Remove the drip tray (fig. 23), empty and clean.
- Empty the grounds container and clean thoroughly to remove all residues left on the bottom.
- Check the red condensate tray and empty if necessary.

### **Important!**

When removing the drip tray, the grounds container **must** always be emptied, even if it contains few grounds.

If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.

### **Cleaning the drip tray and condensate tray**

#### **Important!**

If the drip tray is not emptied regularly, the water could overflow from the edge and seep inside or around the machine. This could damage the machine, the surface it rests on or the surrounding area.

The drip tray is fitted with a level indicator (red) showing the level of water it contains (fig. 24).

Before the indicator protrudes from the cup tray, the drip tray must be emptied and cleaned.

To remove the drip tray:

1. Remove the drip tray and the grounds container (fig. 23);
2. Empty the drip tray and grounds container and wash them;
3. Check the condensate tray and empty if necessary.
4. Replace the drip tray and grounds container.

## Cleaning the inside of the coffee machine

### **Danger of electric shock!**

Before cleaning internal parts, the machine must be turned off (see "Turning off") and unplugged from the mains power supply. Never immerse the machine in water.

1. Check regularly (about once a week) that the inside of the appliance (accessible after removing the drip tray) is not dirty. If necessary, remove coffee deposits with a sponge.
2. Remove the residues with a vacuum cleaner (fig. 25).

## Cleaning the water tank

1. Clean the water tank (A9) regularly (about once a month) and whenever you replace the water softener filter (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.

## Cleaning the coffee spouts

1. Clean the coffee spouts with a sponge or cloth (fig. 26A).
2. Check the holes in the coffee spout are not blocked. If necessary, remove coffee deposits with a toothpick (fig. 26B).

## Cleaning the pre-ground coffee funnel

Check regularly (about once a month) that the pre-ground coffee funnel is not blocked. If necessary, remove coffee deposits.

## Cleaning the infuser

The infuser (A11) must be cleaned at least once a month.

### **Important!**

The infuser may not be extracted when the machine is on.

1. Make sure the machine is correctly turned off (see "Turning off", page 10).
2. Remove the water tank.
3. Open the infuser door (fig. 27) on the right side of the appliance.
4. Press the two red release buttons inwards and at the same time pull the infuser outwards (fig. 28).

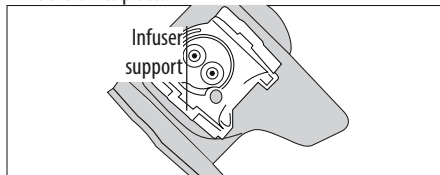
### **Important!**

**RINSE WITH WATER ONLY**

**NO WASHING UP LIQUID - NO DISH WASHER**

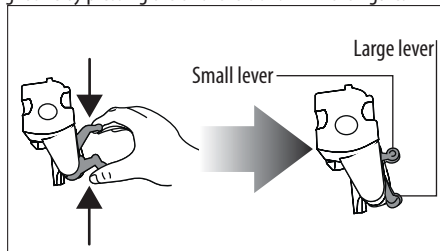
Clean the infuser without using washing up liquid as it could be damaged.

5. Soak the infuser in water for about 5 minutes, then rinse under the tap.
6. Clean coffee residues from the support where the infuser rests.
7. After cleaning, replace the infuser by sliding it onto the internal support, then push the PUSH symbol fully in until it clicks into place.

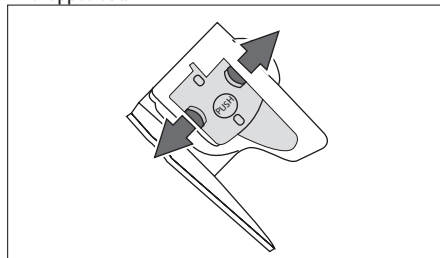


### **Please note :**

If the infuser is difficult to insert, before insertion, adapt it to the right size by pressing the two levers shown in the figure.



8. Once inserted, make sure the two red buttons have snapped out.



9. Close the infuser door.
10. Put the water tank back.



## DESCALING

Descal the appliance when the  light on the control panel flashes.



### **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.

- Turn the appliance on and wait until it is ready for use.
- Press the **P** button, turn the selection dial until you see the light, then press the  button. The **OK** light flashes. Press the  button again to confirm.
- Empty the water tank (A9) and remove the water softener filter (if present).
- Pour the descaler into the water tank up to the level **A** (corresponding to a 100 ml pack) marked on the back of the tank (fig. 29A), then add water (1 litre) up to level **B** (fig. 29B).

Place an empty container with a minimum capacity of 1.8 litres under the cappuccino maker (A19) (fig. 3).

- Press the  \*\*\* button to confirm addition of the solution. The  light flashes telling you to turn the steam dial.





### **Important! Danger of burns**





Hot water containing acid flows from the cappuccino maker. Take care to avoid contact with splashes of water.

- Turn the steam dial a half turn anticlockwise to the **I** position. The descaler solution flows out of the cappuccino maker into the underlying container.

The descaling programme automatically performs a series of rinses and pauses to remove all the scale. It is normal for several minutes of inactivity to elapse between rinses.

After about 30 minutes, the water tank is empty. The **OK** and  lights come on and the  light flashes.

The appliance is now ready for rinsing through with clean water.

- Empty the container used to collect the descaler solution and replace it empty under the cappuccino maker.
- Remove the water tank, empty, rinse under running water then fill with clean water, insert the filter (if removed previously) and put the tank back in the appliance. The  light goes off.
- Turn the steam dial anticlockwise to the **I** position. Hot water comes out of the spout.
- When the water tank is completely empty, the  and **OK** lights come on.
- Turn the dial to the **0** position. The   light goes off.


Fill the water tank again and the machine is ready for use.



### **Please note!**

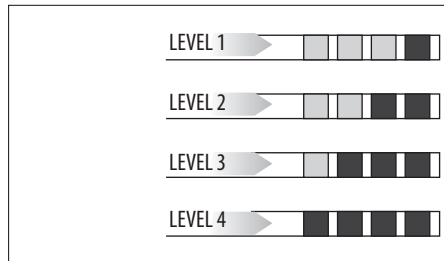
If the descaling cycle is not completed correctly (e.g. lack of electricity) we recommend repeating the cycle.

## **SETTING WATER HARDNESS**



The  light is displayed after a period of time established according to the water hardness set.

### **Measuring water hardness**



- Remove the "TOTAL HARDNESS TEST" indicator paper from its pack (attached to the instructions in English).
- Immerse the paper completely in a glass of water for one second.
- 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.



### **Setting water hardness**

- Press the **P** button to enter the menu.
- Turn the selector dial until the  light is selected.
- Confirm the selection by pressing the  button.
- Turn the selection dial and set the level shown by the indicator paper (see previous paragraph).



- Press the  button to confirm the setting.
- Press the  button to exit the menu.

The machine is now reprogrammed with the new water hardness setting.

## **WATER SOFTENER FILTER (IF PRESENT)**

Certain models are fitted with a water softener filter. If this is not the case with your model, you are recommended to purchase one from De'Longhi Customer Services. To use the filter correctly, follow the instructions below.

### **Installing the filter**







- Remove the filter from the packaging.
- Turn the date indicator disk until the next two months of use are displayed (fig 30).

### Please note

The filter lasts about two months if the appliance is used normally. If the coffee machine is left unused with the filter installed, it will last a maximum of three weeks.


3. To activate the filter, run tap water through the hole in the filter as shown in the figure until water comes out of the openings at the side for more than a minute (fig. 31A).
4. Extract the tank from the appliance and fill with water.
5. Insert the filter in the water tank and immerse it completely for about 30 seconds, turning it upside down to enable the air bubbles to escape (fig. 31B).
6. Insert the filter in the filter housing (fig. 32A) and press as far as it will go.
7. Close the tank with the lid (fig. 32B), then replace the tank in the machine.







When you install the filter, you must notify the appliance of its presence.

8. Press the **P** button to enter the menu;
9. Turn the selection dial until the  and  lights come on.
10. Press the  button. The **OK** light flashes.
11. Press the  button to confirm the selection.
12. Place a container under the cappuccino maker (min. capacity: 100 ml).
13. Turn the steam dial and press the  button.
14. After delivery, the  light flashes. Close the dial and the appliance returns automatically to the “ready for coffee” state.

The filter is now active and you can use the machine.

### Replacing the filter






When the  light flashes, after two months (see date indicator) or when the appliance has not been used for 3 weeks, you should replace the filter:

1. Extract the tank and exhausted filter;
2. Take the new filter out of its packet and proceed as illustrated in points 3, 4, 5, 6 and 7 in the previous section.
3. Place a container (min. capacity: 100 ml) under the cappuccino maker.
4. Press the **P** button to enter the menu;
5. Turn the selection dial until the  and  lights come on.
6. Press the  button. The **OK** light flashes.
7. Press the  button to confirm the selection.
8. Turn the steam dial and press the  button.
9. After delivery, the  light flashes. Close the dial and the appliance returns automatically to the “ready for coffee” state.

The new filter is now active and you can use the coffee machine.


### Removing the filter

If you want to use the appliance without the filter, you must remove it and notify the appliance of its removal. Proceed as follows:

1. Extract the tank and exhausted filter;
2. Press the **P** per entrare nel menù;
3. Turn the selection dial (fig. 8) until the  and  lights come on;
4. Press the  button. The **OK** light flashes;
5. Press the  button to confirm use of the appliance without the filter;
6. Press the  button to exit the menu.

### TECHNICAL DATA

Voltage:	220-240 V~ 50/60 Hz max. 10A
Absorbed power:	1450W
Pressure:	1,5 MPa (15 bar)
Max. water tank capacity:	1.8 litres
Size: LxHxD:	238x345x430 mm
Cord length:	1150 mm
Weight:	9.1 kg
Max. beans container capacity:	250 g

 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 Standby Regulation 1275/2008
- Materials and accessories coming into contact with food conform to European regulation 1935/2004.

### 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.

## MEANING OF ALARM LIGHTS


DISPLAYED LIGHT	POSSIBLE CAUSE	SOLUTION
	Insufficient water in the tank.	Fill the tank with water and insert it correctly, pushing it as far as it will go until it clicks into place.
	The tank is not correctly in place.	Insert the tank correctly and press as far as it will go.
	The grounds container (A13) is full.	Empty the grounds container and drip tray, clean and replace. Important: when removing the drip tray, the grounds container must always be emptied, even if it contains few grounds. If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.
	After cleaning, the grounds container has not been replaced.	Remove the drip tray and insert the grounds container.
	The grinding is too fine and the coffee is delivered too slowly or not at all.	Repeat coffee delivery and turn the grinding adjustment dial (fig. 10) one click clockwise towards "7" while the coffee mill is in operation. If after making at least 2 coffees delivery is still too slow, repeat the correction procedure, turning the grinding adjustment dial another click until delivery is correct (see the section: "Adjusting the coffee mill on page 12). If the problem persists, turn the steam dial to the I position and let some water run from the cappuccino maker.

	<p>The “pre-ground coffee” function has been selected without placing any pre-ground coffee in the funnel.</p>	<p>Place pre-ground coffee in the funnel or deselect the “pre-ground” function.</p>
	<p>The machine must be descaled.</p>	<p>The descaling procedure described in the “Descaling” section needs to be performed as soon as possible.</p>
	<p>Too much coffee has been used.</p>	<p>Select a milder taste or reduce the quantity of pre-ground coffee, then make the coffee again.</p>
	<p>The coffee beans have run out.</p>	<p>Fill the beans container.</p>
	<p>The pre-ground coffee funnel is clogged.</p>	<p>Empty the funnel with the help of a knife, as described in the section “Cleaning the pre-ground coffee funnel”.</p>
	<p>The infuser has not been replaced after cleaning.</p>	<p>Insert the infuser as described in the paragraph “Cleaning the infuser”.</p>
	<p>The inside of the appliance is very dirty.</p>	<p>Clean the inside of the appliance thoroughly, as described in the section “Cleaning and maintenance”. If the message is still displayed after cleaning, contact Customer Services.</p>
	<p>The filter is exhausted.</p>	<p>Replace the filter (see the section “Replacing the water softener filter”).</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 coffee is not hot.	The cups were not preheated.	Warm the cups by rinsing them with hot water (Please note: you can use the hot water or rinse function).
	The infuser has cooled down because 2/3 minutes have elapsed since the last coffee was made.	Before making coffee, heat up the infuser by pressing the  rinse button.
The coffee is weak or not creamy enough.	The coffee is ground too coarsely.	Turn the grinding adjustment dial one click anticlockwise while the grinder is in operation (fig. 10). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see the section: "Adjusting the coffee mill" on page 12).
	The coffee is unsuitable.	Use pre-ground coffee for espresso machines.
The coffee is delivered too slowly or a drop at a time.	The coffee is ground too finely.	Turn the grinding adjustment dial one click clockwise while the grinder is in operation (fig. 10). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see the section: "Adjusting the coffee mill" on page 12).
Coffee does not come out of one or both of the spouts.	The spouts are blocked.	Clean the spouts with a toothpick.
The frothed milk has large bubbles	The milk is not cold enough or is not semi-skimmed.	You should ideally use skimmed or semi-skimmed milk at refrigerator temperature (about 5°C). If the result is not as you wished, try changing brand of milk.
The milk is not frothed	Cappuccino maker is dirty.	Clean as described in the section "Cleaning the cappuccino maker after use" (page 14).
Steam delivery stops	A safety device stops steam delivery after 3 minutes.	Wait, and then enable the steam function again.
The appliance does not come on	It is not plugged into the mains socket.	Plug into the mains socket.
	The main switch (A8) is not turned on.	Place the main switch in the I position (fig. 1).

## ELECTRICAL CONNECTION (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.

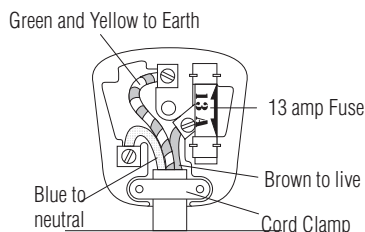
**Note:** Such a plug cannot be used for any other appliance and should therefore be properly disposed of and not left where children might find it and plug it into a supply socket - with the obvious consequent danger.

**Please note:** 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



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 asta approved to 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**