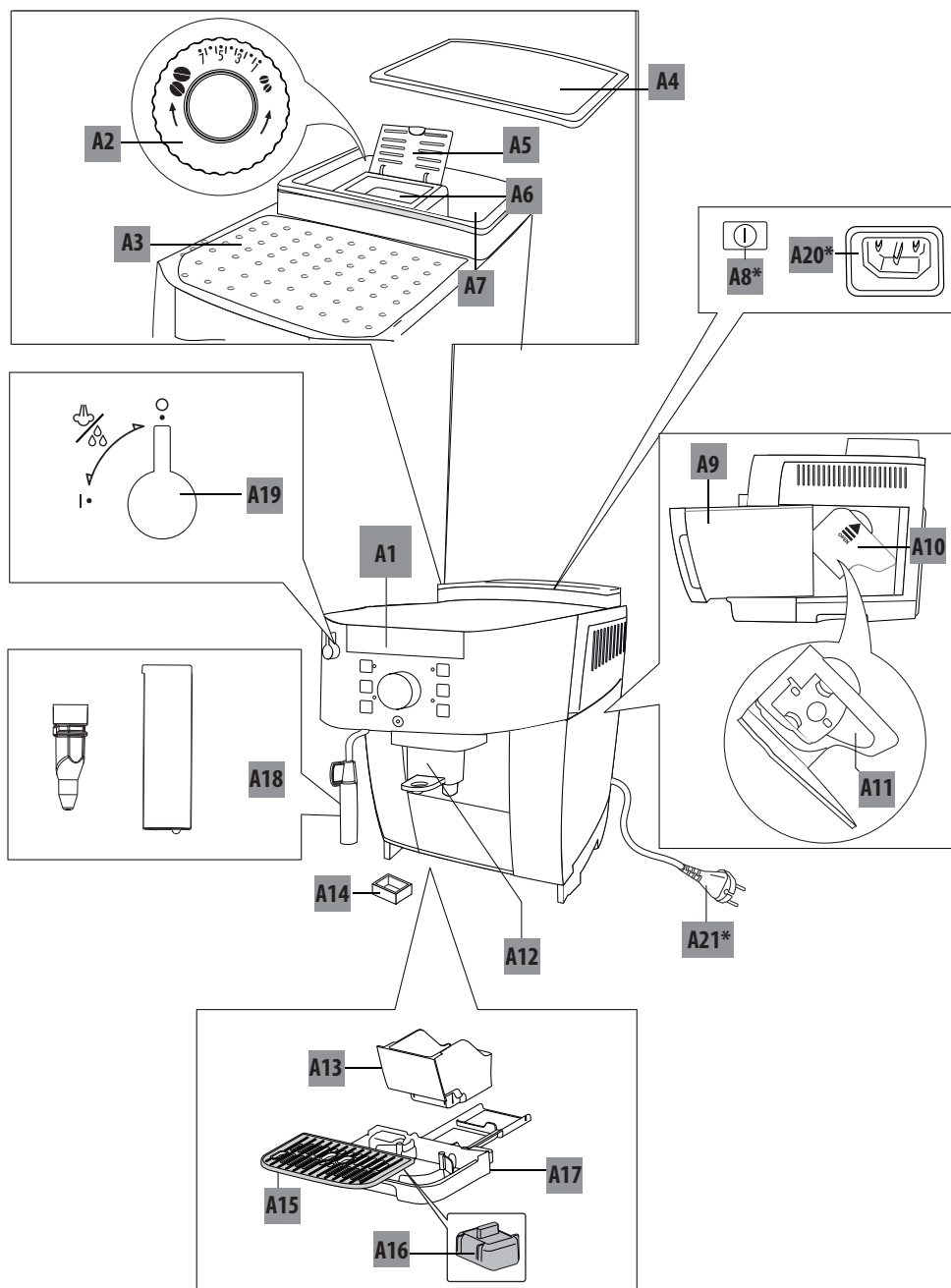

ECAM12.122

COFFEE MACHINE
Instruction for Use

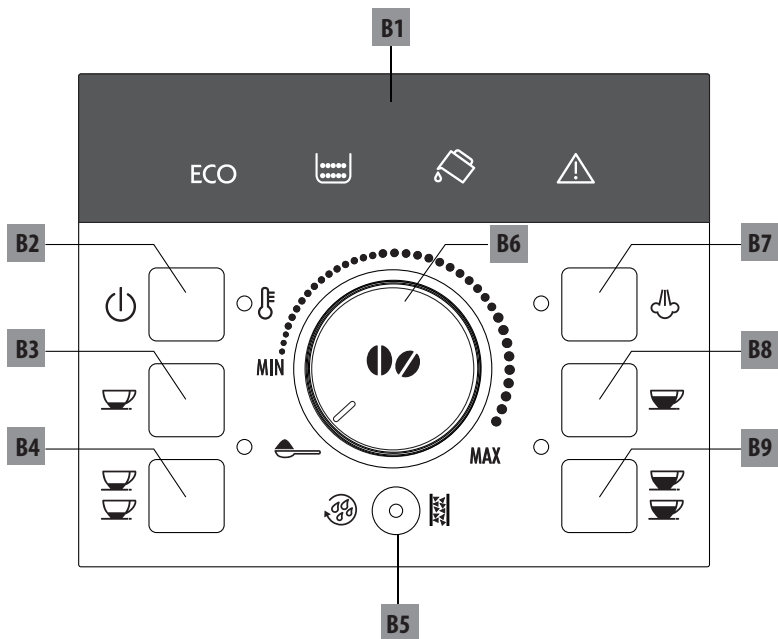


DeLonghi

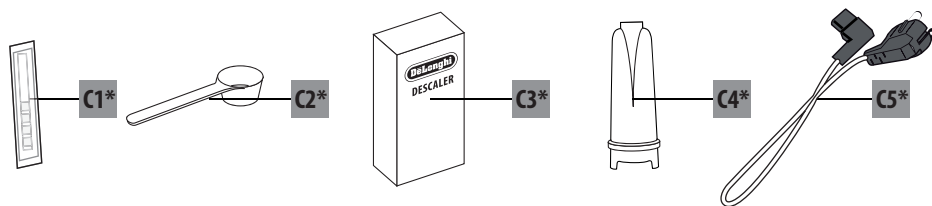
A



B



C*



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1. INTRODUCTION

Thank you for choosing this 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.

1.1 Letters in brackets

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

1.2 Troubleshooting and repairs

In the event of problems, first try and resolve them by reading the information given in the "16. Explanation of lights" and "17. Troubleshooting" sections.

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 Service" 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 certificate provided with the machine.

2. DESCRIPTION

(* some models only)








2.1 Description of the appliance

(page 2 - A)

- A1. Control panel
- A2. Grinding adjustment dial
- A3. Cup shelf
- A4. Beans container lid
- A5. Pre-ground coffee funnel lid
- A6. Pre-ground coffee funnel
- A7. Beans container
- A8. Main switch*
- A9. Water tank
- A10. Infuser door
- A11. Infuser
- A12. Coffee spouts (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
- A20. Socket for power cable connector*
- A21. Power cord*

2.2 Description of the control panel

(page 3 - B)













- B1. Lights
- B2.  button: turns the appliance on and off
- B3.  button: to make 1 cup of short espresso coffee.
- B4.  button: to make 2 cups of short espresso coffee.
- B5.  button: to rinse or descale the appliance
- B6. Selection dial: turn to select coffee quantity or to use pre-ground coffee
- B7.  button: to deliver steam to make hot milk-based coffees
- B8.  button: to make 1 cup of long espresso coffee
- B9.  button: to make 2 cups of long espresso coffee.

2.3 Description of the accessories

(page 3 - C)

- C1. "Total Hardness Test" indicator paper*
- C2. Measure*
- C3. Descaler bottle*
- C4. Water softener filter *
- C5. Power cord*

2.4 Description of lights

-  Light flashing: the machine is heating up.
-   ○ The appliance is delivering one or two cups of short coffee.
-   ○ The appliance is delivering one or two cups of long coffee.
-   ○ The appliance is delivering one or two cups of long coffee.
-   ○ 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 "16. Explanation of lights").
-  Light on steadily: the coffee grounds container must be inserted;
Light flashing: the 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 "13. Descaling").

Light on steadily: the appliance is performing a descaling cycle.

ECO "Energy Saving" mode is active.

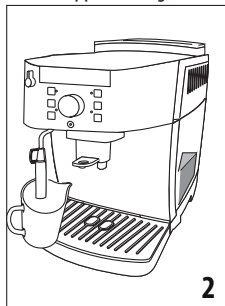
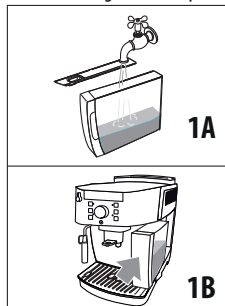
3. SETTING UP THE APPLIANCE

Please note:

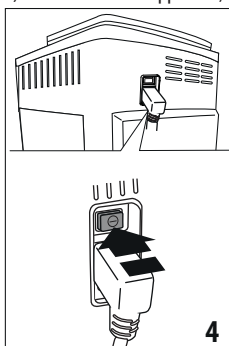
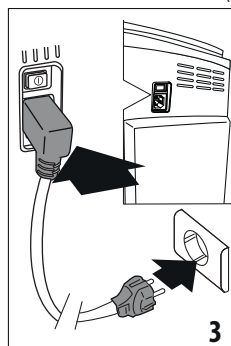
- Coffee has been used to factory test the appliance and it is therefore completely normal for there to be traces of coffee in the mill. The machine is, however, guaranteed to be new.
- You should customise water hardness as soon as possible following the instructions in the section: "14. Setting water hardness".

Proceed as described:

- Remove the water tank (A9), fill to the MAX line with fresh water (fig. 1A) then put back in the appliance (fig. 1B).

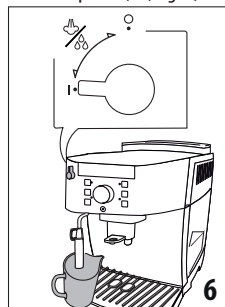
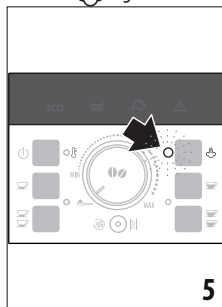


- Place a container with a minimum capacity of 100 ml under the cappuccino maker (A18) (fig. 2).
- Models with removable cord (C5):** Plug the power cord connector into the socket (A20) at the back of the appliance;



- Connect the appliance to the mains electricity supply (fig.3); if your model is provided with the main switch (A8) at the back of the appliance, make sure it is pressed down (fig. 4).

- The light flashes on the control panel (B7, fig. 5).



- Turn the steam dial (A19) to the I position (fig. 6). Water is delivered from the cappuccino maker, then the appliance goes off.
- Turn the steam dial to the 0 position.
The coffee machine is now ready for normal use.

Please note:

- The first time you use the coffee maker, you need to make 4/5 cups of coffee or 4/5 cappuccinos before it starts to give satisfactory results.
- 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 "8. water softener filter (certain models only)". If your model is not provided with a filter, you can request one from De'Longhi Customer Services.

4. TURNING THE APPLIANCE ON

Please note:

- 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.
- Models with main switch (A8) only:** Before turning the appliance on, make sure the main switch on the back of the appliance is in the I position (fig. 4).

Danger of burns!

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

- To turn the appliance on, press the button (B2, fig. 6). 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.


5. TURNING THE APPLIANCE OFF

Whenever the coffee machine 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).


Avoid contact with splashes of water.

To turn the appliance off, press the  button (B2, fig. 6). The appliance performs a rinse cycle then goes off.

Please note:

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



Important!

Always turn the appliance off with the  button (standby) before unplugging from the mains socket or (if present) pressing the main switch to the 0 position.

6. 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 change the Auto-off setting, proceed as follows:

1. With the appliance off and the main switch (A8) in the I position (fig. 3), press the  button (B9) and hold it down until the lights on the control panel come on.
2. Press the  button (B3, on the left of the dial B6) until the lights corresponding to the delay before the appliance goes off automatically come on:


15 minutes **ECO**

30 minutes **ECO** 

1 hour **ECO**  

2 hours **ECO**   


3 hours **ECO**    

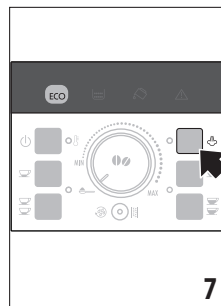
3. Press the  button (B8, on the right of the dial) to confirm the selection. The lights go off.




7. ENERGY SAVING

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

Energy saving mode is active when the green **ECO** light is on (fig. 7).

1. With the appliance off and the main switch (A8) in the I position (fig. 3), press the  button (B7) and hold it down until the **ECO** light (fig. 7) come on.



2. To disable the mode, press the  button (on the left of the dial). The **ECO** light flashes.
3. To re-enable the mode, press the  button (on the left of the dial) again. The **ECO** light comes on steadily.
4. Press the  button (on the right of the dial) to confirm the selection. The **ECO** light goes off.

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.

8. WATER SOFTENER FILTER (CERTAIN MODELS ONLY)

Certain models are fitted with a water softener filter (C4). If this is not the case with your model, you are recommended to purchase one from De'Longhi Customer Services.

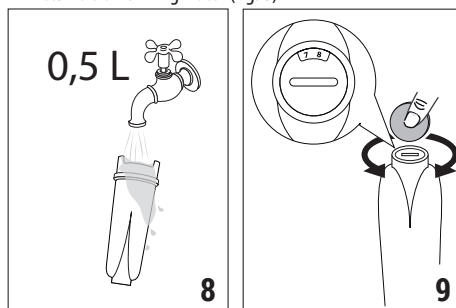
Important:

- Keep in a cool dry place out of direct sunlight.
- After opening the packaging, use the filter at once.
- Remove the filter before descaling the machine.

To use the filter correctly, follow the instructions below.

8.1 Installing the filter

1. Take the filter (C4) out of its packet and rinse under about 0.5 litre of running water (fig. 8)

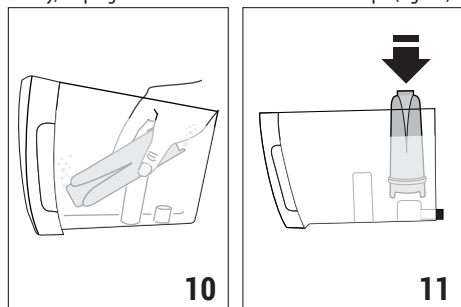


2. Turn the date indicator disk until the next two months of use are displayed (fig 9).

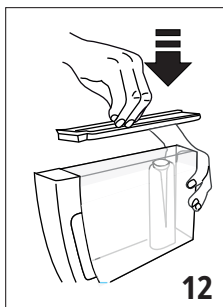
Please note:

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. Extract the tank (A9) from the appliance and fill with water (fig. 1A).
4. Insert the filter in the water tank and immerse it completely, sloping it to enable the air bubbles to escape (fig. 10).



5. Insert the filter into the filter housing and press as far as it will go (fig. 11).
6. Close the tank with the lid (fig. 12), then replace the tank in the machine.



7. Place a container with a minimum capacity of 500 ml under the cappuccino maker (A18).
8. Turn the steam dial (A19) to the I position to deliver hot water.
9. Deliver at least 500 ml of hot water, then turn the hot water/steam dial back to the 0 position.

Please note:

Occasionally one delivery of hot water is not enough to install the filter and the lights will come on during installation.



If this happens repeat the installation procedure from point 8. The filter is now active and you can use the coffee machine.

8.2 Removal and replacement of the water softener filter

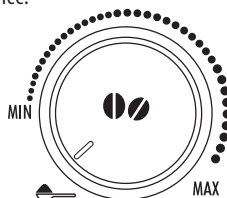
After two months (see date indicator disk), or if the appliance has not been used for 3 weeks, the filter (C4) must be removed from the tank (A9) and replaced with a new one. Then the installation procedure above must be repeated.

9. MAKING COFFEE

9.1 Selecting the coffee taste

Turn the coffee taste selection dial (B9) to set the required taste. Turning it clockwise increases the quantity of coffee beans the appliance will grind and therefore the strength of the coffee obtained.

Turn the dial to MIN for an extra mild coffee and to MAX for an extra strong coffee.

**Please note:**

- The first time you use the appliance, you will need to make a number of coffees to identify the correct dial position through trial and error.
- Do not turn the dial too far towards MAX, otherwise the coffee may be delivered too slowly (a drop at a time), particularly when making two cups of coffee at the same time.

9.2 Selecting the quantity of coffee in the cup

The appliance is set by default to automatically make the following quantities of coffee:

- short coffee when the ☕ button (B3) is pressed ($\approx 40\text{ml}$);
- long coffee when the ☕ button (B8) is pressed ($\approx 120\text{ml}$);
- two short coffees when the ☕ button (B4) is pressed;
- two long coffees when the ☕ button (B9) is pressed.

To change the quantity of coffee the appliance delivers automatically into the cup, proceed as described below:

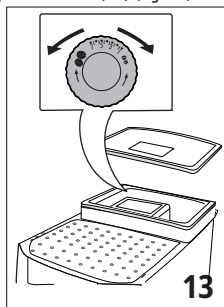
- press the button corresponding to the quantity to be modified and hold it down until the light flashes and the appliance starts delivering coffee, then release;
- when the coffee in the cup reaches the desired level, press the same button again to memorise the new amount.

The machine is now reprogrammed with the new quantities.

9.3 Adjusting the coffee mill

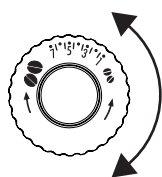
The coffee mill is set by default to prepare coffee correctly and should not require regulating initially.

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.

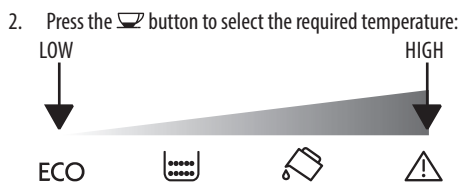
For fuller bodied creamier coffee, turn one click anticlockwise (do not turn more than one click at a time otherwise the coffee could be delivered a drop at a time).

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.

9.4 Setting the temperature

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

1. With the appliance off and the main switch in the I position (fig. 3), press the ☕ button (B3) and hold it down until the lights on the control panel come on;



3. Press the ☕ button (B8) to confirm the selection. The lights go off.

9.5 Tips for a hotter coffee

For hotter coffee, you should:

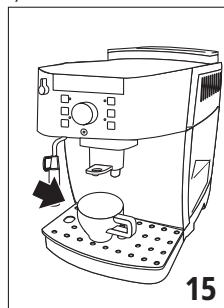
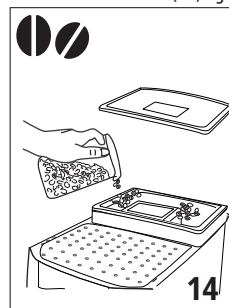
- before delivering the coffee, perform a rinse cycle by pressing the ☕ button (B5). Hot water is delivered from the spouts, heating the internal circuits of the appliance and thus raising the coffee temperature;
- warm the cups with hot water (using the hot water function).
- set a hotter coffee temperature (see the section "Setting the temperature").

9.6 Making coffee using coffee beans

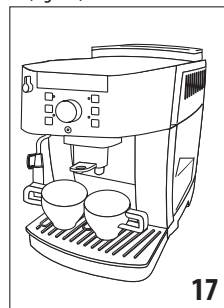
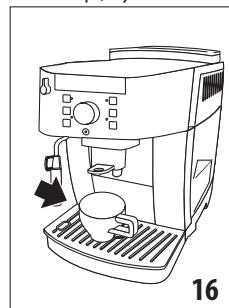
Important!

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

1. Fill the container (A7, fig. 14) with coffee beans.

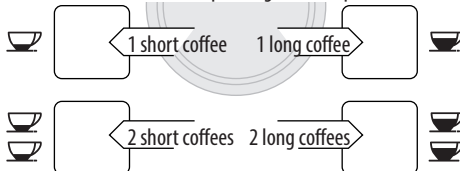


2. Place under the coffee spouts (A12):
 - 1 cup, if you want to make 1 coffee (fig. 15);
 - 2 cups, if you want 2 coffees (fig. 16).



3. Lower the spouts as near as possible to the cup. This makes a creamier coffee (fig. 17).

4. Press the button corresponding to the required coffee:



5. Preparation begins and the light corresponding to the selected button flashes on the control panel.

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

Please note:

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

Please note:

For hotter coffee, see the section "9.5 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 section "17. Troubleshooting".
- Lights may be displayed on the control panel during use. Their meaning is given in the section "16. Explanation of lights".

9.7 Making coffee using pre-ground coffee

Important!

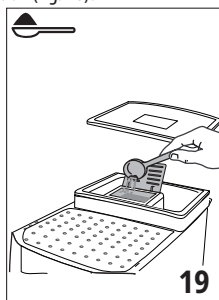
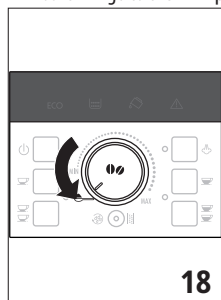
- Never place coffee beans in the pre-ground coffee funnel as this could damage the appliance.
- Never add pre-ground coffee when the machine is off or it could spread through the inside of the machine and dirty it. This could damage the appliance.
- Never use more than 1 level measure or it could dirty the inside of the coffee 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. Turn the coffee taste selection dial (B6) anticlockwise as far as it will go to the ☞ position (fig. 18).



3. Make sure the funnel is not blocked, then add one level measure (C2) of pre-ground coffee (fig. 19).
4. Place a cup under the coffee spouts (A12).

5. Press the corresponding 1 cup coffee button (☞ B3 or ☞ B8).
6. Preparation begins.

10. MAKING CAPPUCCINO

Danger of burns!

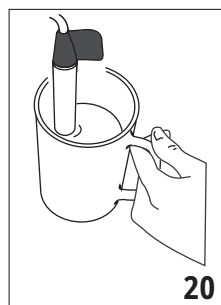
During preparation steam is given off. Take care to avoid scalds.

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 (A18) as described in the section "Cleaning the cappuccino maker after use".

3. Press the ☞ button (B7). 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 (A19) to the I position (fig. 6). 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!

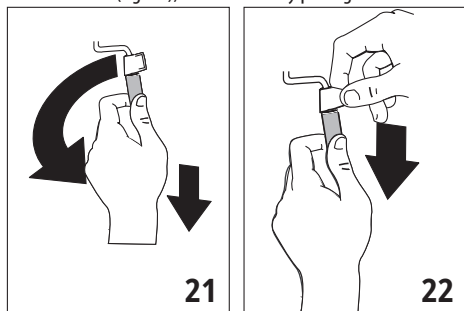
Stop steam delivery before removing the container with the frothed milk to avoid burns caused by splashes of boiling milk.

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.

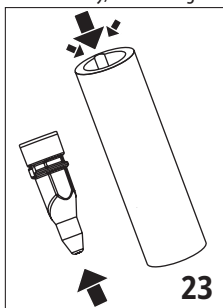
10.1 Cleaning the cappuccino maker after use

Always clean the cappuccino maker (A18) after use to avoid the build-up of milk residues and prevent the spouts from clogging.

1. Place a container under the cappuccino maker and deliver a little water for a few seconds by rotating the steam dial (A19) to the **I** position (fig. 5). Then turn the steam dial to the **0** position to stop the flow of hot water.
2. Wait a few minutes for the cappuccino maker to cool down. Grip the handle of the cappuccino maker tube firmly in one hand and with the other rotate the cappuccino maker anti-clockwise (fig. 21), then remove by pulling downwards.



3. Also remove the steam connection nozzle by pulling it downwards (fig. 22).
4. Make sure the two holes shown by the arrow in fig. 23 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 nozzle, then replace the cappuccino maker on the nozzle, turning it and pushing it upwards until it is attached.

11. 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 (A18) (as close as possible to avoid splashes).

2. Turn the steam dial (A19) 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.

12. CLEANING

12.1 Cleaning the machine

The following parts of the machine must be cleaned regularly:


- the appliance's internal circuit;
- coffee grounds container (A13);
- drip tray (A17) and condensate tray (A14);
- water tank (A9);
- coffee spouts (A12);
- cappuccino maker (A18);
- pre-ground coffee funnel (A6);
- infuser (A11), accessible after opening the service door (A10);
- control panel (A1).

Important!

- Do not use solvents, abrasive detergents or alcohol to clean the coffee machine. With De'Longhi superautomatic coffee machines, you need not use chemical products to clean the machine.
- None of the components can be washed in a dishwasher.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

12.2 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 switching it on and performing:

- 2/3 rinse cycles by pressing the  button (B5);
- delivering hot water by turning the hot water/steam dial (A19) to the **I** position.

Please note:

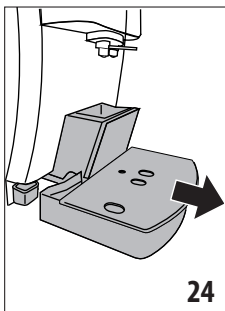
- After cleaning, it is normal for the grounds container (A13) to contain water.

12.3 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 (A17) (fig. 24), empty and clean.



- Empty the grounds container (A13) and clean thoroughly to remove all residues left on the bottom.
- Check the red condensate tray (A14) and empty if necessary.

Important!

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

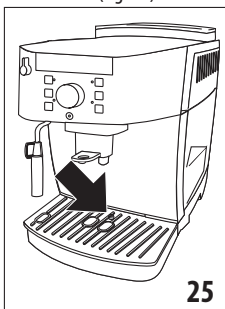
If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.

12.4 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 (A16) (red) showing the level of water it contains (fig. 25).



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

To remove the drip tray:

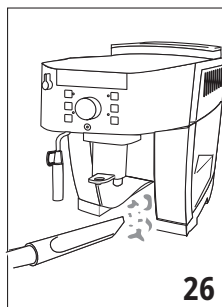
1. Remove the drip tray (A17) and the grounds container (A13) (fig. 24);
2. Empty the drip tray and grounds container and wash them;
3. Check the condensate tray (A14) and empty if necessary.
4. Replace the drip tray and grounds container.

12.5 Cleaning the inside of the coffee machine

Danger of electric shock!

Before cleaning internal parts, the machine must be turned off (see "5. Turning the appliance off") and unplugged from the mains power supply. Never immerse the coffee 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. 26).

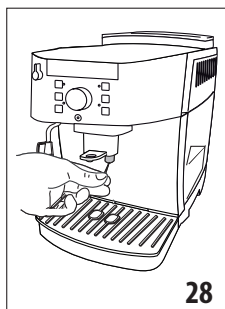
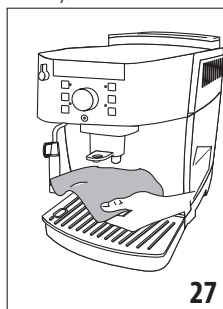


12.6 Cleaning the water tank

1. Clean the water tank (A9) regularly (about once a month) and whenever you replace the water softener filter (C4, 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.

12.7 Cleaning the coffee spouts

1. Clean the coffee spouts (A12) with a sponge or cloth (fig. 27).



2. Check the holes in the coffee spouts are not blocked. If necessary, remove coffee deposits with a toothpick (fig. 28).

12.8 Cleaning the pre-ground coffee funnel

Check regularly (about once a month) that the pre-ground coffee funnel (A6) is not blocked. If necessary, remove coffee deposits.

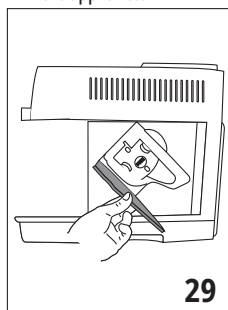
12.9 Cleaning the infuser

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

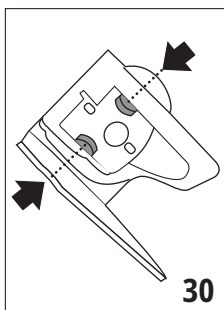
Important!

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

1. Make sure the machine is correctly turned off (see "5. Turning the appliance off").
2. Remove the water tank (A9).
3. Open the infuser door (A10) (fig. 29) on the right side of the appliance.



29



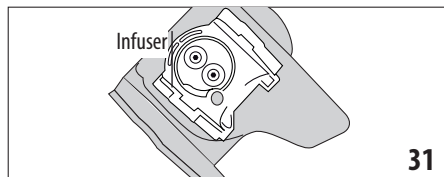
30

4. Press the two coloured release buttons inwards and at the same time pull the infuser outwards (fig. 30);

Important!

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.

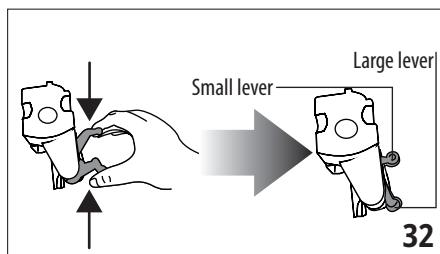


31

7. After cleaning, replace the infuser by sliding it onto the internal support (fig. 31), then push the **PUSH** symbol until it clicks into place.

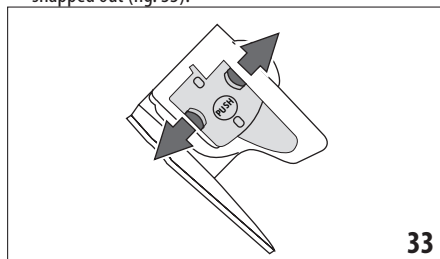
Please note:

If the infuser is difficult to insert, before insertion, adapt it to the right size by pressing the two levers shown in fig. 32.



32


8. Once inserted, make sure the two coloured buttons have snapped out (fig. 33).

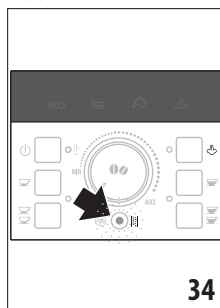


33

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

13. DESCALING

Descal the appliance when the  light (B5) (fig. 34) on the control panel flashes.



34

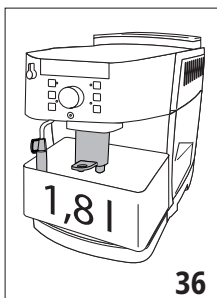
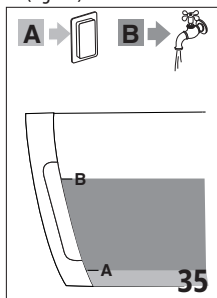
Important!

- 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. Turn the appliance on and wait until it is ready for use.
2. Empty the drip tray (A17) and grounds container (A13) and put both back in the machine.
3. Empty the water tank (A9) completely and remove the water softener filter (C4), if present.
4. Pour the descaler (C3) into the tank up to level **A** (corresponding to a 100 ml pack) marked on the back of the tank,

then add a litre of water up to level **B** (fig. 35) and put the water tank back in the appliance.

5. Place a container with a minimum capacity of 1.8 litres under the cappuccino maker (A18) and coffee spouts (A12) (fig. 36).



6. Wait for the coffee lights to come on steadily.
7. Press and hold the button (B5) for at least 5 seconds to confirm that you have added the solution and begin the descaling procedure. The light in the button comes on steadily to indicate that the descaling programme has begun.
8. The light flashes to indicate the hot water/steam dial (A19) must be turned to the **I** position.

Important! Danger of burns

Hot water containing acid flows from the cappuccino maker and coffee spouts. Take care to avoid contact with splashes of this solution.

9. When the dial has been turned to the **I** position, the descale programme starts and the descaler liquid comes out of the cappuccino maker and coffee spouts. A series of rinses and pauses are performed automatically to remove all the scale residues inside the coffee machine.

After about 25 minutes, descaling stops and the and lights flash on the control panel. Turn the hot water/steam dial to the **0** position.

10. The appliance is now ready for rinsing through with clean water. Empty the container used to collect the descaler solution. Extract the water tank, empty, rinse under running water, fill with fresh water up to the MAX level and put back in the appliance: the light flashes.
11. Place the container used to collect the descaler solution empty under the cappuccino maker and coffee spouts (fig. 36).
12. Turn the hot water/steam dial to the **I** position to begin rinsing. Hot water is delivered first from the cappuccino maker, to continue and end with the coffee spouts.
13. When the water tank is completely empty, the and lights flash on the control panel. Turn the hot water/steam dial to the **0** position.

14. Empty the container used to collect the rinsing water. Remove the water tank, replace the water softener filter (if removed previously), fill the tank up to the MAX level with cold water and insert in the appliance. The steam light flashes.
15. Place the container used to collect the rinsing water empty under the cappuccino maker;
16. Turn the hot water/steam dial to the **I** position. Rinsing continues from the cappuccino maker only.
17. When it finishes, the steam light flashes on the control panel. Turn the hot water/steam dial to the **0** position.
18. Top up the water tank with fresh water to the MAX level and put back in the machine.

Descaling is complete.

Please note!

- If the descaling cycle is not completed correctly (e.g. no electricity) we recommend repeating the cycle.
- After descaling, it is normal for the grounds container (A13) to contain water.

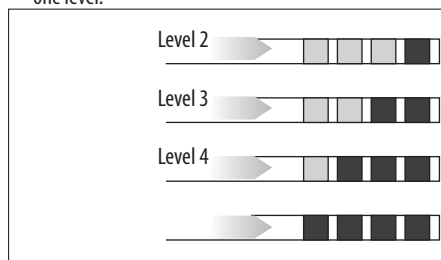
14. SETTING WATER HARDNESS

Descaling is necessary after a period of operation established according to the water hardness set.

The machine is set by default for a hardness value of 4. The machine can also be programmed according to the hardness of the mains water in the various regions so that the machine needs to be descaled less often.





14.1 Measuring water hardness

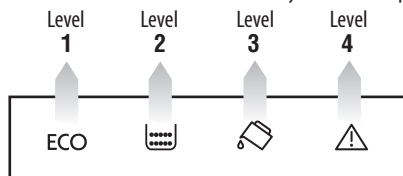
1. Remove the "TOTAL HARDNESS TEST" indicator paper (C1) from its pack (attached to the English instructions).
2. Immerse the paper completely in a glass of water for one second.
3. Remove the paper from the water and shake lightly. After about a minute, 1, 2, 3, or 4 red squares form, depending on the hardness of the water. Each square corresponds to one level.




14.2 Setting water hardness

1. Make sure the appliance is off (but connected to the mains electricity supply and with the main switch in the **I** position);

- Press and hold the  button (B5) for at least 5 seconds. The ECO  and  lights come on together;
- Press the  button (B3, on the left of the dial) to set the actual water hardness as measured by the indicator paper.



- Press the  button (B8, on the right of the dial) to confirm the selection.

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

15. TECHNICAL DATA

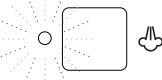




Voltage:	220-240 V~ 50/60 Hz max. 10A
Absorbed power:	1450 W
Pressure:	1.5 MPa (15 bars)
Max. water tank capacity:	1.8 L
Size LxDxH:	240x430x350 mm
Cord length:	1150 mm
Weight:	8.9 kg
Max. beans container capacity:	250 g

De'Longhi reserves the right to modify the technical specification and styling of its products at any moment, without compromising their functionality and quality.



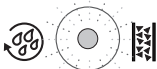




15.1 Tips for Energy Saving

- Set auto-off to 15 minutes (see section "6. Auto-off");
- Enable Energy Saving (see paragraph "9.4 Setting the temperature");
- Always carry out the descaling cycle when prompted by the machine.

16. EXPLANATION OF LIGHTS

LIGHT DISPLAYED	POSSIBLE CAUSE	REMEDY
	The hot water/steam dial must be turned (A19)	Turn the hot water/steam dial.
 FLASHING	Insufficient water in the tank (A9).	Fill the tank with water and/or insert it correctly, pushing it as far as it will go until it clicks into place.
 FLASHING	The tank (A9) is not correctly in place.	Insert the tank correctly and press as far as it will go.
 FLASHING	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 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 (A13).	Remove the drip tray and insert the grounds container.





 <p>FLASHING</p>	<p>The grinding is too fine and the coffee is delivered too slowly or not at all.</p>	<p>Repeat coffee delivery and turn the grinding adjustment dial (A2, 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 "9.3 Adjusting the coffee mill"). If the problem persists, turn the steam dial (A19) to the I position and deliver some water from the cappuccino maker.</p>
	<p>If the water softener filter (C4) is present, an air bubble may have been released inside the circuit, obstructing delivery.</p>	<p>Deliver a little water from the cappuccino maker by turning the steam dial (A19) to the I position until the flow is regular (fig. 5).</p>
 <p>FLASHING</p>	<p>The "pre-ground coffee" function has been selected without placing any pre-ground coffee in the funnel (A6).</p>	<p>Place pre-ground coffee in the funnel or deselect the "pre-ground" function.</p>
 <p>FLASHING</p>	<p>The machine must be descaled.</p>	<p>The descaling procedure described in the section "13. Descaling" needs to be performed.</p>
 <p>FLASHING</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>FLASHING</p>	<p>The coffee beans have run out.</p>	<p>Fill beans container.</p>
	<p>The pre-ground coffee funnel (A6) is clogged.</p>	<p>Empty the funnel with the help of a brush as described in the section "12.8 Cleaning the pre-ground coffee funnel".</p>
 <p>FLASHING</p>	<p>The infuser has not been replaced after cleaning (A11).</p>	<p>Insert the infuser as described in the section "12.9 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 "12. Cleaning". If the message is still displayed after cleaning, contact a service centre.</p>

17. 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	REMEDY
The coffee is not hot.	The cups were not preheated.	Warm the cups by rinsing them with hot water. Please note: the hot water or rinse function can be used.
	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 dial one click anticlockwise while the grinder is in operation (fig. 8). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see section "9.3 Adjusting the coffee mill").
	The coffee is unsuitable.	Use coffee beans suitable for espresso machines.
The coffee is delivered too slowly or a drop at a time.	The coffee is ground too finely.	Turn the grinding dial one click clockwise while the grinder is in operation (fig. 8). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see section "9.3 Adjusting the coffee mill").
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 dirty.	Clean as described in the section "10.1 Cleaning the cappuccino maker after use".
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.
	Models with main switch (A8): the main switch (A8) is not turned on.	Place the main switch in the I position (fig. 4).
	Models with detachable cord (C5): the cord is not well inserted in the machine.	Plug the power cord connector into the socket (A20) at the back of the appliance

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