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INTRODUCTION

Thank you for choosing the ESAM 5600 automatic coffee and cappuccino maker. We hope you enjoy using your new appliance. Take a few minutes to read these instructions. This will avoid all risks and damage to the machine.

Symbols used in these instructions

Important warnings are identified by these symbols.

These warnings must absolutely be respected.



Danger!

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



Important!

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



Danger of burns!

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



NB:

This symbol identifies important advice or information for the user.

Letters in brackets

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

Troubleshooting and repairs

In the event of problems, first try and resolve them following the information given in the sections "Displayed messages" on page 22 and "Troubleshooting" on page 24.

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 guarantee leaflet.

If your country is not among those listed in the leaflet, 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.

SAFETY

Fundamental safety warnings



Danger! This is an electrical appliance and may cause electric shock.

You should therefore respect the following safety warnings:

- Never touch the appliance with damp hands.
- Never touch the plug with damp hands.
- Make sure the socket used is freely accessible at all times, enabling the appliance to be unplugged when necessary.
- Unplug directly from the plug only. Never pull the power cable as you could damage it.
- To disconnect the appliance completely, place the main switch at the back of the appliance in the 0 position (fig. 6).
- If the appliance is faulty, do not attempt to repair. Turn it off, unplug from the mains socket and contact Customer Services.
- If the plug or power cable is damaged, it must be replaced by De'Longhi Customer Services only to avoid all risk.



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



Danger! Do not allow the appliance to be used by persons (including children) with psychological, physical or sensory impairments or with inadequate experience or knowledge, unless closely supervised and instructed by someone responsible for their safety. Children must be supervised to ensure they do not play with the appliance.



Important: Risk 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, do not touch the cup warmer shelf (A6) as it becomes hot.

Designated use

This appliance is designed and made to prepare coffee and heat drinks. All other use is considered improper. This appliance is not suitable for commercial use. The manufacturer is not liable for damage deriving from improper use of the appliance. This is a household appliance only. It is not suitable for use 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.

Instructions

Read these instructions carefully before using the appliance.

- Failure to follow these instructions may result in burns or damage to the appliance.
The manufacturer is not liable for damage deriving from failure to follow these instructions.

i **NB:** Keep these instructions. If the appliance is passed to other persons, they must also be provided with these instructions.

DESCRIPTION

Description of appliance

(page 3 - **A**)

- A1. Grinding adjustment knob
- A2. Beans container lid
- A3. Beans container
- A4. Pre-ground coffee funnel
- A5. Compartment for measure
- A6. Cup warmer shelf
- A7. Water tank
- A8. Infuser
- A9. Coffee grounds container
- A10. Cup tray
- A11. Compartment for latte macchiato/milk glass
- A12. Drip tray
- A13. Service door
- A14. Coffee guide
- A15. Coffee spout (adjustable height)
- A16. Hot water and steam nozzle
- A17. Power cable
- A18. Main switch
- A19. ON/STAND-BY button
- A20. Hot water spout
- A21. Measure
- A22. Control panel (graphic touch screen)

Description of milk container

(page 3 - **B**)

- B1. Frothed milk regulator
- B2. Milk container handle
- B3. CLEAN button
- B4. Milk intake tube

- B5. Milk spout
- B6. Lid with milk frother

Description of control panel (graphic touch screen)

(page 3 - **C**)



NB: Only the icons relating to the controls enabled for the particular function currently being used will be lit on the touch screen.

- C1. Display: guides the user in using the appliance.
- C2. icon: to deliver a cup of espresso coffee.
- C3. icon: to deliver two cups of espresso coffee.
- C4. Selection icons to choose the coffee taste.
(When in the settings MENU, they change function according to the text shown above the icon).
- C5. HOT MILK icon: to deliver a cup of milk.
- C6. FLAT WHITE icon: to deliver a cup of macchiato.
- C7. icon: to perform a manual rinse.
(When in the settings MENU, it changes function according to the text shown above the icon).
- C8. LATTE icon: to deliver a cappuccino.
- C9. CAPPUCCINO icon: to deliver a caffelatte.
- C10. Selection icons to choose the coffee quantity.
(When in the settings MENU, they change function according to the text shown above the icon).
- C11. icon: to activate the hot water function.
- C12. icon: to access or exit the programming menu.



NB! A light touch is enough to activate the icons.

Meaning of animations

Below is an explanation of the animations describing the operation the appliance is currently performing:



Rinsing



Heating up



IMPORTANT MESSAGE
(see section "Displayed messages").



Please wait...



FILL TANK!



Hot water

BEFORE USE

Controls after transport

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 follow the safety warnings below:

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

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 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



NB!

- 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 coffee maker 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 20.

1. Plug the appliance into the mains socket and place the main switch on the back of the appliance in the I position (fig. 1).

You must first choose the language (the languages scroll through at intervals of about 3 seconds).

2. When Italian appears, press the selection icon corresponding to "OK" on the display for a few seconds (fig. 2). Once the language has been saved, the message "English installed" appears.

Follow the instructions indicated by the appliance.

3. "FILL TANK!": remove the water tank, fill to the MAX line with fresh water then replace in the appliance (fig. 3).
4. If the water spout is not fitted to the appliance, "INSERT WATER SPOUT!" is displayed. Insert the spout (fig. 4).
5. Place a container with a minimum capacity of 100 ml under the spout.
6. "PRESS OK", then press the icon corresponding to "OK" on the display (fig. 2). "Please Wait..." is displayed and the appliance begins to deliver water.

The appliance ends the first start up procedure, then the message "Turning off, Please wait..." is displayed and the appliance goes off.

The coffee maker is now ready for normal use.



NB! When using the appliance for the first time, you need to make 4/5 cups of coffee and 4/5 cappuccinos before it starts to give satisfactory results.

TURNING THE APPLIANCE ON



NB! Before turning the appliance on, make sure the main switch on the back of the appliance is in the I position (fig. 1).

Each time the appliance is turned on, it performs an automatic preheat and rinse cycle which cannot be interrupted.


A drop animation indicates that rinsing is underway (see section "Meaning of animations").

The appliance is ready for use only after completion of this cycle.



Danger of burns! During rinsing, a little hot water comes out of the coffee spouts and is collected in the drip tray underneath.

Avoid contact with splashes of water.

- To turn the appliance on, press the button on the right of the touch screen  (fig. 5). The appliance begins the heating cycle indicated by a thermometer icon (fig. 7) which fills as the cycle advances.

Once heating is complete, the appliance shows the time set and the coffee taste and quantity selection bars set to the standard values ("standard" quantity and taste).


The machine is now ready for use.

TURNING THE APPLIANCE OFF

Each time the appliance is turned off, it performs an automatic rinse cycle which cannot be interrupted.



Danger of burns! During rinsing, a little hot water flows from the coffee spouts. Avoid contact with splashes of water.

To turn the appliance off, press the  button (fig. 5). The appliance performs the rinse cycle then goes off.



NB! If the appliance is not used for a long period, place the main switch on the back of the appliance in the 0 position (fig. 6).

CHANGING THE MENU SETTINGS

The programming menu is divided into 3 sections indicated by different icons. Each section is divided into groups as described below:

SETTINGS



- Language
- Coffee temperature
- Water hardness
- Display contrast
- Beep
- Default values

MAINTENANCE




- Descaling
- Statistics

CLOCK



- Adjust time
- Auto-start
- Auto-off

To access the required section, press the P icon and use the selection icons (C4 and C10) to scroll until the image you want is displayed. Then press the  icon to confirm (or press the P icon again to exit).





NB! When navigating in the programming menu and you want to exit, press the P icon a number of times.



Setting the language



To modify the language on the display, proceed as follows:

1. Choose the "SETTINGS" section as described above;
2. Press the selection icons < or > until "LANGUAGE" is displayed;
3. Press the  icon to confirm;
4. Press the selection icons < or > until the required language is displayed;
5. Press the  icon to confirm (or the P icon to cancel the operation).
6. The appliance is automatically ready for use again.



Setting the temperature

To modify the temperature (low, medium, high) of the water used to make the coffee, proceed as follows:

1. Choose the "SETTINGS" section as described above;
2. Press the selection icons < or > until "COFFEE TEMPERATURE" is displayed;
3. Press the  icon to confirm;
4. Press the selection icons < or > until the required temperature (low, medium or high) is displayed;
5. Press the  icon to confirm (or the P icon to cancel the operation).
6. The appliance is automatically ready for use again.





Setting water hardness

For instructions on setting water hardness, see page 20.



Setting display contrast



To increase or reduce the contrast of the display, proceed as follows:

1. Choose the "SETTINGS" section as described above;
2. Press the selection icons < or > until "DISPLAY CONTRAST" is displayed;
3. Press the  icon to confirm;
4. Press the selection icons < or > until the required contrast is displayed; the progress bar indicates the level of contrast selected.
5. Press the  icon to confirm (or the P icon to cancel the operation).
6. The appliance is automatically ready for use again.



Activating/deactivating the beep

This activates or deactivates the beep emitted by the machine each time an icon is pressed or an accessory is inserted/removed. The beep is active by default.



1. Choose the "SETTINGS" section as described above.
2. Press the selection icons < or > until "BEEP Enabled" or "Disabled" is displayed;
3. Press the  icon to confirm: "Disable?" or "Enable?" is displayed;
4. Press the  icon to deactivate the function. "BEEP Disabled" or "Beep Enabled" is displayed;

The appliance is automatically ready for use again.



Resetting factory default values (reset)

This resets all menu settings and programmed quantities back to the default values (with the exception of the language which remains as set).

1. Choose the "SETTINGS" section as described above.
2. Press the selection icons < or > until "DEFAULT VALUES" is displayed;
3. Press the  icon to confirm. "OK to confirm" is displayed;
4. Press the  icon to return to the original settings (or the P icon to cancel the operation).

The appliance is automatically ready for use again with the default settings.





Descaling

For instructions on descaling, see page 19.



Statistics function



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

1. Choose the "MAINTENANCE" section as described above.
2. Press the selection icons < or > until "STATISTICS" is displayed.
3. Press the  icon to confirm.
4. Press the selection icons < or > to verify:
 - how many coffees have been made;
 - how many drinks with milk have been made;
 - how many times the machine has been descaled;
 - the total number of litres of water delivered.
5. Press the  icon and the appliance is automatically ready for use again (or the P icon to cancel the operation).




Setting the clock

To adjust the time on the display, proceed as follows:

1. Choose the "CLOCK" section as described above;
2. Press the selection icons < or > until "ADJUST TIME" is displayed.
3. Press the  icon to confirm. The hours flash on the display.
4. Press the selection icons < or > to modify the hours.
5. Press the  icon to confirm (or the P icon to cancel the operation). The minutes flash on the display.
6. Press the selection icons < or > to modify the

minutes.





7. Press the  icon to confirm (or the **P** icon to cancel the operation).

The time is now set and the appliance is automatically ready for use again.






Setting auto-start time

You can set the auto-start time in order to have the appliance ready at a certain time (for example in the morning) so you can make coffee immediately.

1. Choose the "CLOCK" section as described above.
2. Press the selection icons < or > until "AUTO-START Disabled" is displayed.
3. Press the  icon to select: "Enable?" is displayed and the hours flash on the display.
4. Press the selection icons < or > to modify the hours.
5. Press the  icon to confirm. The minutes flash on the display.
6. Press the selection icons < or > to modify the minutes.
7. Press the  icon to confirm: "Auto-start enabled" is displayed.
8. The appliance is automatically ready for use again. The  symbol appears next to the clock to indicate that auto-start has been programmed.

To deactivate the function:

1. Choose the "CLOCK" section as described above.
2. Press the selection icons < or > until "AUTO-START Enabled" is displayed.
3. Press the  icon to select: "Disable?" is displayed;
4. Press the  icon to select.

This deactivates the function and the symbol  disappears from the display.

5. Press the **P** icon to exit the menu.





NB! To activate this function, the time must have been set previously.



Setting auto-off



NB! The appliance is set to switch automatically to stand-by if not used for 30 minutes. The time can be changed so that the appliance switches off after 1 or 2 hours.

1. Choose the "CLOCK" section as described above.
2. Press the selection icons < or > icons until "AUTO-OFF" is displayed.
3. Press the  icon to confirm.
4. Press the selection icons < or > until the required number of operation hours (30 minutes, 1 or 2 hours) is displayed.
5. Press the  icon to confirm (or the **P** icon to cancel the operation).

The appliance is automatically ready for use again and auto-off is reprogrammed.

MAKING COFFEE

Selecting the coffee taste

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

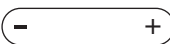





To change the taste, press the selection icon (C4) until the "taste" bar has filled as follows:



The bar fills up progressively each time you press the selection icon (C4).

Selecting the quantity of coffee in the cup

The appliance is set by default to make a standard quantity of coffee. To choose the quantity of coffee, press the selection icon (C10) until the "quantity" bar has filled as follows:





"Quantity" bar	Corresponding coffee	Quantity in cup (ml)
	MY COFFEE	min: ≈20 max: ≈180
	EXTRA SHORT COFFEE	≈ 30
	SHORT COFFEE	≈ 40
	STANDARD COFFEE	≈ 60
	LONG COFFEE	≈ 90
	EXTRA-LONG COFFEE	≈ 120

The quantity bar fills up progressively each time you press the selection icon (C10).

Programming the "my coffee" quantity

The appliance is set by default to automatically deliver 30 ml of "my coffee".

To modify these settings, proceed as follows:

1. Place a cup under the coffee spouts (fig. 10).
2. Press the selection icon (C10) repeatedly until "My coffee" and the empty bar are displayed.
3. Press the 1 cup  icon (fig. 12) until "MY COFFEE PROGRAM QUANTITY" and the  symbol are displayed. The machine starts delivering the coffee and the  icon flashes.
4. As soon as the coffee in the cup reaches the required level, press the  icon again.

The quantity set has now been programmed.

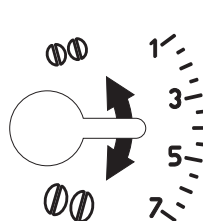
Adjusting the coffee mill

The coffee mill is set by default to prepare coffee correctly and should not require adjusting initially. However, if after making the first few coffees you find that delivery is either too fast or too slow (a drop at a time), this can be corrected by adjusting the grinding adjustment knob (fig. 8).

These adjustments will only be evident after at least 2 cups of coffee have been made.



NB! The grinding adjustment knob must only be turned when the coffee mill is in operation.




For slower coffee delivery and a creamier coffee, turn one click towards "1" (finer ground coffee).

For faster delivery (not a drop at a time), turn one click towards the "7" (coarser ground coffee).

These adjustments will only be evident after making at least 2 cups of coffee. If delivery is still too fast or too slow, repeat the correction procedure.

Manual rinsing

For hotter coffee, before making the coffee rinse the appliance by pressing the  button. Hot water flows out of the spout, heating the internal circuit and making the coffee delivered hotter.





Danger of burns! During rinsing, a little hot water comes out of the coffee spouts and is collected in the drip tray underneath.

Making coffee using coffee beans



Important! Do not use caramelised or candied coffee beans as they could stick to the coffee mill and make it unusable.

1. Fill the container (A3) with coffee beans (fig. 9).
2. Place under the coffee spouts:
 - 1 cup, if you want 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. 11).
4. Press the icon corresponding to the number of coffees required (1 cup  or 2 cups  (fig. 12 and 13). The selected quantity and taste are displayed.
5. Preparation begins. One or two cups appear on the display and gradually fill as preparation progresses.

Once the coffee has been made, the appliance prepares for use again.



NB!

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

Once the coffee has been made, the appliance is ready to use again.



NB: Tips

For hotter coffee, you should:

- 1) perform a rinse cycle as described in the section "Manual rinsing".
- 2) before making coffee, warm the cups by rinsing them with hot water (using the hot water function).



Important! If the coffee is delivered a drop at a time, too fast and not creamy enough or too cold, read the tips in the "Troubleshooting" section on page 24.

Making coffee using pre-ground coffee



Important!

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



NB! If you are using pre-ground coffee, we recommend you make just one cup of coffee at a time.

1. Repeatedly press the selection icon (C4) corresponding to the "taste" bar until "Ground taste" and (☞☞) are displayed on the display.
2. Put one level measure of pre-ground coffee into the funnel (fig. 14).
3. Place a cup under the coffee spouts.
4. Press the 1 cup coffee icon ☞ (fig. 12). The selected quantity and "Ground taste" are displayed.
5. Preparation begins. A cup appears on the display and gradually fills as preparation progresses.



NB:

While the machine is making coffee, delivery can be interrupted at any moment by pressing the lit cup icon.

Once the coffee has been made, the appliance is ready to use again.



NB: See the tips in the section above.

MAKING DRINKS WITH MILK

Filling and attaching the milk container

1. Turn the lid of the milk container clockwise until it becomes noticeably difficult to turn, then remove (fig. 15).
2. Fill the milk container with a sufficient quantity of milk, not exceeding the MAX level marked on the handle (fig. 16).



NB! Do not use full fat milk. Use skimmed or semi-skimmed milk at refrigerator temperature (about 5°C). To avoid milk with poor froth or large bubbles, always clean the milk container lid and hot water nozzle as described in the section "Cleaning the milk container".

3. Make sure the milk intake tube is correctly inserted in the bottom of the milk container lid (fig. 17).
4. Replace the milk container lid and turn anti-clockwise as far as it will go.
5. Remove the hot water spout from the nozzle (fig. 18).
6. Attach the container to the nozzle, pushing as far as it will go (fig. 19).
7. Place a sufficiently large cup under the coffee spouts (A14) and the milk spout (B5). If necessary, move the milk spout slightly outwards (fig. 20).
8. To use particularly tall cups/glasses, raise the lid of the special compartment in the cup tray (fig. 21).

Making cappuccino

1. After attaching the milk container (see the section: "Filling and attaching the milk container"), position the frothed milk regulator on CAPPUCCINO (fig. 22). **The quality of froth can be adjusted during delivery by moving the regulator slightly towards LATTE for a**

denser froth.

Moving it towards CAPPUCCINO obtains a less dense froth.

2. Press the **CAPPUCCINO** icon (fig. 23). A cup is displayed and gradually fills as preparation progresses. (After a few seconds, frothed milk flows out of the milk spout into the cup below. The milk stops automatically and delivery of coffee begins).
3. At the end of delivery, the machine is automatically ready for use again.



NB! If during delivery you want to stop preparing milk, press the **CAPPUCCINO** icon or interrupt preparation of the coffee by pressing the ☒ icon.

Making latte

1. After attaching the milk container (see the section: "Filling and attaching the milk container"), position the frothed milk regulator (B1) on **LATTE** (fig. 24)
2. Press the **LATTE** icon (fig. 25).
A glass is displayed and gradually fills as preparation progresses. (After a few seconds, milk is delivered from the milk spout into the cup below. The milk stops automatically and delivery of coffee begins).
3. At the end of delivery, the machine is automatically ready for use again.



NB! If during delivery you want to stop preparing milk, press the **LATTE** icon or interrupt preparation of the coffee by pressing the ☒ icon.

Making flat white

1. After attaching the milk container (see the section "Filling and attaching the milk container"), position the frothed milk regulator (B1) on **FLAT WHITE** (fig. 26) printed on the milk container lid.
2. Press the **FLAT WHITE** icon (fig. 27).
A glass is displayed and gradually fills as preparation progresses. (After a few seconds, frothed milk comes out of the milk spout into the glass below. The milk stops automatically and delivery of coffee begins).
3. At the end of delivery, the machine is automatically ready for use again.



NB! If during delivery you want to stop preparing milk, press the **FLAT WHITE** icon or interrupt preparation of the coffee by pressing ☒ the icon.

Preparing hot milk

1. After attaching the milk container (see the section: "Filling and attaching the milk container"), position the frothed milk regulator on **CAFFELATTE** (fig. 22).
2. Press the **HOT MILK** icon (fig. 28). A glass is displayed and gradually fills as preparation progresses.
3. At the end of delivery, the machine is automatically ready for use again.



NB! If during delivery you want to stop preparing milk, press the **HOT MILK** icon once.

Cleaning the milk container after use



Important! Danger of burns. When cleaning the internal tubes of the milk container, a little hot water leaks out of the milk spout (B5). Avoid contact with splashes of water.

When "Press CLEAN button" flashes on the display (each time you use a milk function):

1. Leave the milk container in the machine (you do not need to empty it);
2. Place a cup or other recipient under the milk spout (fig. 20).
3. Press the **CLEAN** button (fig. 29) and keep it pressed until the progress bar displayed together with the message "CLEANING..." is complete.
4. After cleaning, remove the milk container and always clean the nozzle with a sponge (fig. 30).






NB!

- When "Press CLEAN button" flashes on the display, you can still prepare any type of coffee or milk. If you have to make a number of drinks with milk, wait until you have delivered the last cup before cleaning the container.
- The milk left in the container can be kept in the refrigerator.

Programming the quantities of coffee and milk in the cup

The machine leaves the factory set to delivery standard quantities. To change these quantities, proceed as follows:

1. Attach the milk container (see "Filling and attaching the milk container"), place a cup under the coffee spouts and milk spout (fig. 20).

2. Press the icon corresponding to the function you want to programme until "PROGRAM QUANTITY Milk for..." is displayed and the icon corresponding to the selected function flashes.
3. Release the icon. The appliance starts delivering milk.
4. When the required quantity of milk has been delivered into the cup, press the icon corresponding to the selected function again.
5. After a few seconds, the appliance starts delivering coffee into the cup, the message "PROGRAM QUANTITY Coffee for..." is displayed (with the exception of the MILK function) and the  or  icon flashes.
6. As soon as the coffee in the cup has reached the required quantity, press the  icon. Coffee delivery stops.



The machine is now reprogrammed with the new quantities.

PREPARING HOT WATER

Preparation



Important! Danger of burns. Never leave the coffee maker unsupervised while delivering hot water. The hot water spout becomes hot while water is being delivered and must be held by the handle only.


1. Make sure the hot water spout (B7) is attached correctly (fig. 4).
2. Place a container under the spout (as close as possible to avoid splashes).
3. Press the  icon (fig. 31). Preparation begins. "HOT WATER" and the corresponding animation are displayed.
4. To interrupt delivery of hot water manually, press the  icon again.
5. Once the coffee has been made, the appliance prepares for use again.




Important: You should not deliver hot water for more than 2 minutes at a time.

Changing the quantity

The appliance is set by default to automatically deliver 250ml. To modify these quantities, proceed as follows:

1. Position a container under the spout.
2. Press the  icon (the appliance starts delivering hot water) until the message "HOT WATER PROGRAM QUANTITY" is displayed

and the  icon flashes, then release.

3. When the hot water in the cup reaches the required level, press the  icon again.

The machine is now reprogrammed with the new quantity.

CLEANING AND MAINTENANCE

Cleaning the coffee maker

The following parts of the machine must be cleaned regularly:

- coffee grounds container (A9),
- drip tray (A12),
- water tank (A7),
- hot water and steam nozzle (A16),
- coffee spouts (A15),
- pre-ground coffee funnel (A4),
- inside the machine, accessible after opening the service door (A13),
- infuser (A8),
- milk container (B)
- touch screen (C)



Important!

- Do not use solvents, abrasive detergents or alcohol to clean the coffee maker. With De'Longhi superautomatic coffee makers, you need not use chemical products to clean the appliance. The descaler recommended by De'Longhi is made from natural and completely biodegradable substances.
- None of the components of the appliance can be washed in a dishwasher with the exception of the milk container (B).
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

Cleaning the coffee grounds container

When "EMPTY GROUNDS CONTAINER" is displayed, the grounds container must be emptied and cleaned.

Until the grounds container has been cleaned, the appliance continues to display the message and coffee cannot be made.

To clean (with the machine on):

- open the service door on the front of the appliance (fig. 32), extract the drip tray (fig. 33), empty and clean.

- Empty the grounds container and clean thoroughly to remove all residues left on the bottom.



Important! When removing the drip tray, the grounds container **must** be emptied, even if it is not completely full.

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



Important! If the drip tray is not emptied regularly, the water could overflow from the edge and seep inside or around the coffee maker. 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. 34).

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

To remove the tray:

1. Open the service door (fig. 32);
2. Remove the drip tray and the grounds container (fig. 33);
3. Empty the drip tray and grounds container and wash them;
4. Remove the drip tray complete with grounds container (A9);
5. Close the service door.

Cleaning the water tank

1. Clean the water tank (A7) regularly (about once a month) with a damp cloth and a little mild washing up liquid.
2. Clean to remove all washing up liquid residues, then rinse the water tank thoroughly.

Cleaning the coffee spouts

1. Clean the coffee spouts with a sponge or cloth (fig. 35).
2. Check the holes in the coffee spout are not blocked. If necessary, remove coffee deposits with a toothpick (fig. 36).

Cleaning the hot water nozzle

Clean the hot water nozzle regularly using a sponge or cloth (fig. 30).

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 with a plastic knife.

Cleaning the inside of the coffee maker



Danger of electric shock! Before cleaning internal parts, the machine must be turned off and unplugged from the mains power supply.

Never immerse the coffee maker in water.

1. Check regularly (about once a week) that the inside of the appliance is not dirty. If necessary, remove coffee deposits with a knife and a sponge.
2. Remove the residues with a vacuum cleaner (fig. 37).

Cleaning the infuser

The infuser must be cleaned at least once a month.



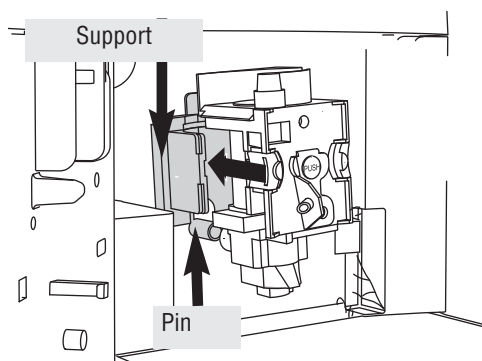
Important! The infuser (A8) must not be removed when the appliance is on. Do not attempt to use force to remove the infuser as this could damage the coffee maker.

1. Make sure the machine is correctly turned off (see "Turning the appliance off").
2. Open the service door (fig. 32).
3. Remove the drip tray and grounds container (fig. 33).
4. Press the two red release buttons inwards and at the same time pull the infuser outwards (fig. 38).

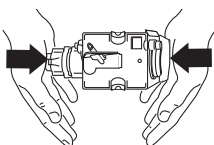


Important! Do not use washing up liquid to clean the infuser. It would remove the lubricant applied to the inside of the piston, causing the infuser to seize up and become unusable.

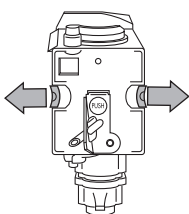
5. Soak the infuser in water for about 5 minutes, then rinse under the tap.
6. After cleaning, replace the infuser by sliding it onto the internal support and pin at the bottom, then push the PUSH symbol fully in until it clicks into place.



NB! If the infuser is difficult to insert, you must first adapt it to the right dimension by pressing it forcefully from the bottom and top as shown in the figure.



7. Once inserted, make sure the two red buttons have snapped out.
8. Replace the drip tray and grounds container.
9. Close the service door.

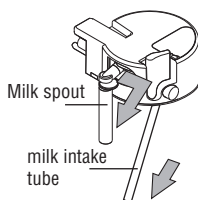


Cleaning the milk container

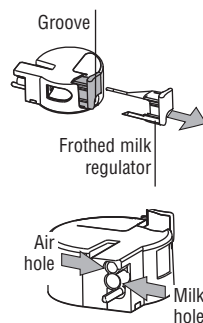
Clean the milk container each time you prepare milk as described below:

1. Turn the milk container lid clockwise then remove it.
2. Remove the milk spout and intake tube.
3. Remove the frothed milk regulator by pulling it outwards.
4. Wash all the components thoroughly with hot water and mild washing up liquid. All components can be washed in a dishwasher, **placing them in the top basket of the dishwasher.**

Make sure there are no milk residues left inside the holes and the groove on the fine end of the frothed milk regulator.



5. Use a brush (not metal) to remove residues from the milk hole.
6. Check that the intake tube and milk spout are not clogged with milk residues.
7. Replace the frothed milk regulator, milk spout and intake tube.
8. Replace the lid on the milk container, turning it anticlockwise as far as it will go to hook it in place.



DESCALING


Descale the machine when the message "DESCALE!" flashes on the display.



Important! Descaler contains acids which may irritate the skin and eyes. It is vital to adhere to 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.



NB! Use De'Longhi descaler only. Under no circumstances should you use sulphamic or acetic based descalers. Their use invalidates the guarantee. Failure to descale the appliance as described also invalidates the guarantee.

1. Turn the machine on.
2. Choose the "MAINTENANCE" section as describe in the section "Changing the menu settings".
3. Press the selection icons until "DESCALING" is displayed.
4. Press the  icon to confirm. "OK to confirm" is displayed. Press the icon again to activate the function.
5. The message "ADD DESCALER Press OK" is displayed.
6. Before confirming, empty the water tank (A7). Add the descaler diluted with water according to the proportions indicated on the descaler pack. Always use descaler recommended by De'Longhi (contact De'Longhi Customer Services). Place an empty container with a minimum capacity of 1.5 litres under the hot water spout (B7) (fig. 4).

Important! Danger of burns. Hot water containing acids flows out of the hot water spout. Avoid contact with splashes of water.



7. Press the selection icon corresponding to OK to start the descaling programme.

8. The message "DESCALING UNDERWAY..." is displayed. The descaling programme starts and the descaler liquid comes out of the water spout. The descale programme automatically performs a series of rinses and pauses to remove limescale deposits from inside the machine.

After about 30 minutes, the message "RINSING FILL TANK!" is displayed.

9. The appliance is now ready for rinsing through with clean water. Remove the water tank, empty, rinse under running water, fill with clean water and replace. "RINSING Press OK" is displayed.

10. Empty the container used to collect the descaler solution and replace it under the hot water spout.

11. Press the selection icon corresponding to OK. Hot water flows out of the spout and the message "RINSING" is displayed.

12. When the water tank is empty, RINSING COMPLETE Press OK" is displayed.

13. Press the selection icon corresponding to OK, fill the water tank, put it back in place and the appliance is ready for use.

SETTING WATER HARDNESS

The DESCALE! message is displayed after a period of time established according to water hardness.

The coffee maker is set by default for a hardness value of 4 (very hard water).

The machine can also be programmed according to the hardness of the mains water in the various regions, varying the frequency with which the message is displayed.

Measuring water hardness

1. Remove the "TOTAL HARDNESS TEST" indicator paper from its pack.
2. Immerse the paper completely in a glass of water for about a 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.

Setting water hardness

1. Choose the "MAINTENANCE"

soft water

Level: ●○○○

slightly hard water

Level: ●●○○

hard water

Level: ●●●○

very hard water

Level: ●●●●

section as described in the section "Changing the menu settings".

3. Press the selection icons until "WATER HARDNESS" is displayed.

2. Turn the selection dial to select "WATER HARDNESS".

3. Press the icon to confirm;

4. Press the selection icons to set the level corresponding to the water hardness identified by the indicator paper (see figure in previous section).

5. Press the icon to confirm the setting.

6. The appliance is automatically ready for use again.

The coffee maker is now reprogrammed with the new water hardness setting.

TECHNICAL SPECIFICATION

Voltage: 220-240 V~ 50/60 Hz - 10A max.

Absorbed power: 1350W

Pressure: 15 bar

Water tank capacity: 1,7 litres

Size: LxHxP: 272x374x441 mm

Weight: 11,5 Kg

The appliance complies with the following EC directives:

Low Voltage Directive 2006/95/EC;
 EMC Directive 89/336/EEC and subsequent amendments 92/31/EEC and 93/68/EEC.

Materials and accessories coming into contact with food conform to EC regulation 1935/2004.




DISPOSAL










Electrical appliances must not be disposed of as household waste. Appliances with this symbol are covered by European Directive 2002/96/EC.

All unused electric and electronic appliances must be disposed of separately from household waste by taking them to the special centres provided by the State. Disposing of the unused appliance correctly avoids damage to the environment and a risk to health. For more information on disposing of the unused appliance, contact your local authority waste disposal department or the shop where the appliance was bought.

DISPLAYED MESSAGES


DISPLAYED MESSAGE	POSSIBLE CAUSE	REMEDY
FILL TANK! 	<ul style="list-style-type: none"> The water tank is empty or positioned incorrectly. 	<ul style="list-style-type: none"> Fill the tank with water and/or insert it correctly, pushing it as far as it will go until it clicks into place.
GROUND TOO FINE ADJUST MILL! Insert water spout and press ok	<ul style="list-style-type: none"> The machine cannot make coffee as there is air in the hydraulic circuit The grinding is too fine and the coffee is delivered too slowly. 	<ul style="list-style-type: none"> Press the corresponding icon and deliver water from the spout until the flow is continuous and regular. Turn the grinding adjustment knob one click clockwise towards "7" while the coffee mill is in operation. (The effect is only visible after making 2 coffees). If delivery is still too slow, repeat the correction procedure, turning the grinding adjustment knob another click until delivery is correct.
INSERT WATER SPOUT!	<ul style="list-style-type: none"> The water spout is not inserted or is inserted incorrectly. 	<ul style="list-style-type: none"> Insert water spout as far as it will go.
EMPTY GROUNDS CONTAINER! 	<ul style="list-style-type: none"> The grounds container is too full or more than 3 days have passed since you last made coffee (this guarantees correct hygiene of the machine). 	<ul style="list-style-type: none"> Empty the grounds container and clean, then replace. Important: when removing the drip tray, the grounds container MUST be emptied, even if it is not completely full. If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.
INSERT GROUNDS CONTAINER! 	<ul style="list-style-type: none"> After cleaning, the grounds container has not been replaced. 	<ul style="list-style-type: none"> Open the service door and insert the grounds container.
INSERT MILK CONTAINER!	<ul style="list-style-type: none"> The milk container is not inserted. 	<ul style="list-style-type: none"> Insert milk container.
DESCALE!	<ul style="list-style-type: none"> The machine must be descaled 	<ul style="list-style-type: none"> The descaling procedure described in the "Descaling" section needs to be performed as soon as possible.

DISPLAYED MESSAGE	POSSIBLE CAUSE	REMEDY
ADD GROUND COFFEE! 	<ul style="list-style-type: none"> The "pre-ground coffee" function has been selected without placing any pre-ground coffee in the funnel. The funnel is clogged. 	<ul style="list-style-type: none"> Place pre-ground coffee in the funnel and press the  icon. Empty the funnel with the help of a plastic knife, as described in the section "Cleaning the pre-ground coffee funnel".
LESS COFFEE! 	<ul style="list-style-type: none"> Too much coffee has been used. 	<ul style="list-style-type: none"> Select a milder taste or reduce the quantity of pre-ground coffee, then make the coffee again.
FILL BEANS CONTAINER! 	<ul style="list-style-type: none"> The coffee beans have run out. The pre-ground coffee funnel is clogged.. 	<ul style="list-style-type: none"> Fill beans container Empty the funnel with the help of a plastic knife, as described in the section "Cleaning the pre-ground coffee funnel".
INSERT INFUSER ASSEMBLY! 	<ul style="list-style-type: none"> The infuser has not been replaced after cleaning. 	<ul style="list-style-type: none"> Insert the infuser as described in the section "Cleaning the infuser".
CLOSE DOOR! 	<ul style="list-style-type: none"> The service door is open. 	<ul style="list-style-type: none"> Close the service door.
GENERAL ALARM! ! 	<ul style="list-style-type: none"> The inside of the appliance is very dirty. 	<ul style="list-style-type: none"> Clean the inside of the appliance thoroughly, as described in the section "Cleaning". If the message is still displayed after cleaning, contact Customer Services.
Press CLEAN button	<ul style="list-style-type: none"> Milk has been delivered recently and the tubes inside the milk container must be cleaned. 	<ul style="list-style-type: none"> Press the CLEAN button and keep it pressed until the progress bar which appears on the display together with the message "Cleaning..." is complete.
Press OK	<ul style="list-style-type: none"> The inside of the appliance is very dirty. The initial priming of the machine has not been completed successfully. 	<ul style="list-style-type: none"> Press the icon corresponding to OK until a new message is displayed. Then clean the inside of the appliance thoroughly, as described in the section "Cleaning". Repeat the setting up operations.

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	<ul style="list-style-type: none"> The cups have not been preheated. The infuser has cooled down because 2/3 minutes have elapsed since the last coffee was made. 	<ul style="list-style-type: none"> Warm the cups by rinsing them with hot water (using the hot water function). Before making coffee, heat the infuser by pressing the  icon (see section "Manual rinsing").
The coffee is not creamy enough	<ul style="list-style-type: none"> The coffee is ground too coarsely. Wrong type of coffee 	<ul style="list-style-type: none"> Turn the grinding adjustment knob one click anticlockwise towards "1" while the coffee mill is in operation (fig. 8). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after making 2 coffees. Use a type of coffee for espresso coffee makers.
The coffee is delivered too slowly or a drop at a time.	<ul style="list-style-type: none"> The coffee is ground too finely. 	<ul style="list-style-type: none"> Turn the grinding adjustment knob one click clockwise towards "7" while the coffee mill is in operation (fig. 8). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after making 2 coffees.
The coffee is delivered too quickly.	<ul style="list-style-type: none"> The coffee is ground too coarsely. 	<ul style="list-style-type: none"> Turn the grinding adjustment knob one click anticlockwise towards "1" while the coffee mill is in operation (fig. 8). Avoid turning the grinding adjustment knob excessively otherwise when you select 2 cups, the coffee may be delivered a drop at a time.

PROBLEM	POSSIBLE CAUSE	REMEDY
Coffee does not come out of one or both the spouts.	<ul style="list-style-type: none"> The spouts are blocked. 	<ul style="list-style-type: none"> Clean the spouts with a toothpick.
The coffee does not come out of the spout, but around the service door (A12).	<ul style="list-style-type: none"> The holes in the spouts are clogged with dry coffee dust. The coffee guide (A21) inside the service door is blocked and cannot swing. 	<ul style="list-style-type: none"> Clean the spouts with a toothpick, sponge or kitchen brush. Thoroughly clean the coffee guide (A21), particularly near the hinges.
Water comes out of the spouts instead of coffee.	<ul style="list-style-type: none"> The pre-ground coffee may be blocked in the funnel (A4). 	<ul style="list-style-type: none"> Clean the funnel (A4) as described in the section "Cleaning the pre-ground coffee funnel".
The milk does not come out of the milk spout (B5).	<ul style="list-style-type: none"> The intake tube is not inserted or is inserted incorrectly. 	<ul style="list-style-type: none"> Insert the intake tube (B4) in the rubber washer in the milk container lid (fig. 20).
The milk is not well frothed.	<ul style="list-style-type: none"> The milk container lid is dirty. The frothed milk regulator is incorrectly adjusted. 	<ul style="list-style-type: none"> Clean the milk container lid as described in the section "Cleaning the milk container". Adjust following the instructions in the section "Making drinks with milk".
The milk contains bubbles or squirts out of the milk spout.	<ul style="list-style-type: none"> The milk is not cold enough or is not semi-skimmed. The frothed milk regulator is incorrectly adjusted. The milk container lid is dirty. 	<ul style="list-style-type: none"> You should ideally use skimmed or semi-skimmed milk at refrigerator temperature (about 5°C). If the result is still disappointing, try another brand of milk. Move the frothed milk regulator slightly towards the word "CAFFELATTE" (see section "Making cappuccino"). Clean the milk container lid as described in the section "Cleaning the milk container".
The appliance does not come on.	<ul style="list-style-type: none"> It is not plugged into the mains socket. The main switch is not turned on. 	<ul style="list-style-type: none"> Plug into the mains socket. Place the main switch on the back of the appliance in the I position.