De'Longhi ECAM 21.117.SB

De'Longhi Magnifico S ECAM 21.117.SB Bean to Cup Coffee Machine User Manual

Comprehensive instructions for setup, operation, maintenance, and troubleshooting.

Introduction

This manual provides essential information for the safe and efficient use of your De'Longhi Magnifico S ECAM 21.117.SB Bean to Cup Coffee Machine. Please read all instructions carefully before operating the appliance and retain this manual for future reference.

The De'Longhi Magnifico S ECAM 21.117.SB is designed to deliver high-quality coffee beverages from whole beans or pre-ground coffee. It features a 13-setting conical burr grinder, a milk frothing system, and customizable settings to suit your preferences.

Important Safety Warnings

- Always ensure the appliance is connected to a grounded power outlet with the correct voltage (220-240V, 50/60Hz).
- Do not immerse the appliance, power cord, or plug in water or other liquids.
- Keep the appliance out of reach of children.
- Unplug the appliance from the power outlet when not in use and before cleaning.
- Do not operate the appliance if it has a damaged cord or plug, or if it malfunctions or has been damaged in any way.
- Use only original De'Longhi spare parts and accessories.
- Hot water and steam can cause burns. Exercise caution when using the steam wand and hot water dispenser.

Product Components

Familiarize yourself with the main components of your coffee machine:

- **Bean Hopper:** For whole coffee beans.

- **Ground Coffee Funnel:** For pre-ground coffee.
- **Water Reservoir:** Removable, with a capacity of 1.8 liters (47 Oz).
- **Control Panel:** Buttons and dial for operation and settings.
- **Coffee Spouts:** Adjustable height for various cup sizes.
- **Cappuccino Device (Steam Wand):** For frothing milk.
- **Drip Tray:** Removable, with a water level indicator.
- **Coffee Grounds Container:** Collects used coffee pucks.
- **Brewing Unit:** Removable for cleaning.
- **Water Filter:** Located in the water reservoir.



Figure 1: Front view of the De'Longhi Magnifico S ECAM 21.117.SB coffee machine, showing the control panel, coffee spouts, and drip tray.



Figure 2: Close-up of the control panel with power button, coffee strength dial, and beverage selection buttons.

1. Initial Setup

1. **Unpacking:** Carefully remove the machine from its packaging. Remove all protective films and accessories.
2. **Positioning:** Place the machine on a stable, level surface away from water splashes and heat sources.
3. **Filling the Water Reservoir:**
    - Remove the water reservoir from the back of the machine.
    - Rinse it with fresh water.
    - Fill the reservoir with fresh, cold tap water up to the MAX level.
    - Insert the water filter (if not already installed) and ensure it is properly seated.
    - Return the reservoir to its position, ensuring it is fully inserted.
4. **Filling the Bean Hopper:**

- Open the bean hopper lid.
- Pour fresh coffee beans into the hopper. Do not fill above the MAX level.
- Close the lid.

5. **Connecting to Power:** Plug the power cord into a suitable electrical outlet.
6. **First Use Cycle:**
   - Turn on the machine using the power button.
   - The machine will perform an automatic rinse cycle. Follow any on-screen prompts or indicator lights.
   - Place a container under the coffee spouts to collect the water.
   - Once the cycle is complete, the machine is ready for use.
7. **Setting Water Hardness:** It is recommended to program the water hardness level according to your local water supply for optimal descaling reminders. Refer to the full manual for detailed instructions on this setting.

2. Operating Instructions

2.1 Making Coffee from Beans

1. **Turn On:** Press the power button. The machine will warm up and perform a rinse cycle.
2. **Place Cup:** Position one or two cups under the coffee spouts. Adjust the spouts' height as needed.
3. **Select Coffee Strength:** Use the central dial to select your desired coffee strength (from mild to strong).
4. **Select Beverage:** Press the button corresponding to your desired beverage (e.g., single espresso, double espresso).
5. **Grind Adjustment:** The conical burr grinder has 13 settings. Adjust the grind fineness using the dial inside the bean hopper. *Note: Adjust grind only when the grinder is operating.*
6. **Customization:** The machine allows for four user profiles to save preferred settings for each drink. Consult the full manual for programming these profiles.



Figure 3: The coffee machine dispensing two cups of espresso, demonstrating the adjustable coffee spouts.

2.2 Using Pre-Ground Coffee

This machine features a bypass doser for pre-ground coffee, ideal for decaffeinated coffee or a quick single serving.

1. Ensure the machine is on and ready.
2. Open the lid of the pre-ground coffee funnel.
3. Add one level scoop of pre-ground coffee (approximately 7g). Do not add more than one scoop.
4. Close the lid.
5. Select your desired beverage. The machine will use the pre-ground coffee for this cycle.

2.3 Milk Frothing with the Cappuccino Device

The integrated cappuccino device allows you to froth milk for cappuccinos and lattes.

1. **Prepare Milk:** Fill a pitcher with cold milk (dairy or non-dairy alternatives).
2. **Activate Steam:** Turn the steam dial to the steam position. The machine will heat up to produce steam.
3. **Froth Milk:** Immerse the steam wand into the milk. Turn the steam dial to release steam. Move the pitcher up and down to create desired foam.

4. **Clean Wand:** After frothing, turn the steam dial to release a short burst of steam to clear any milk residue, then wipe the wand with a damp cloth.



Figure 4: A hand demonstrating milk frothing using the steam wand of the De'Longhi Magnifico S ECAM 21.117.SB.

3. Maintenance and Cleaning

Regular maintenance ensures the longevity and optimal performance of your coffee machine. The machine provides on-screen alerts and reminders for necessary cleaning tasks.

3.1 Daily Cleaning

- **Empty Drip Tray:** The drip tray has a water level indicator. Empty and clean it daily or when the indicator rises.
- **Empty Coffee Grounds Container:** The machine indicates when the coffee grounds container is full (approximately 14 cups) or after 72 hours. Empty and clean it regularly.
- **Clean Coffee Spouts:** Wipe the coffee spouts with a damp cloth.
- **Clean Steam Wand:** After each use, purge the steam wand and wipe it with a damp cloth to prevent milk

residue buildup.

3.2 Weekly / Bi-Weekly Cleaning

- **Clean Brewing Unit:** The brewing unit is removable for easy cleaning.
    a. Turn off the machine and unplug it.
    b. Open the service door.
    c. Press the two red release buttons and pull out the brewing unit.
    d. Rinse the brewing unit thoroughly under running water.
    e. Allow it to air dry before reinserting.
- **Clean Water Reservoir:** Rinse the water reservoir and water filter with fresh water.

3.3 Descaling

The machine features an automatic descaling program and will display a warning when descaling is required. Regular descaling is crucial to prevent limescale buildup and maintain machine performance.

- Use only De'Longhi descaling solution.
- Follow the instructions provided with the descaling solution and the machine's display prompts for the automatic descaling cycle.
- Ensure the water filter is removed before starting the descaling process.

4. Troubleshooting

This section addresses common issues you might encounter. For more complex problems, refer to the full product manual or contact customer support.

Problem	Possible Cause	Solution
Machine does not turn on.	Not plugged in; power outlet faulty.	Check power cord connection; try a different outlet.
No coffee is dispensed.	Water tank empty; beans hopper empty; brewing unit clogged.	Fill water tank; fill bean hopper; clean brewing unit.
Coffee is too weak or watery.	Grind setting too coarse; insufficient coffee dose; brewing unit dirty.	Adjust grind to a finer setting (only when grinder is running); increase coffee strength setting; clean brewing unit.
Milk does not froth properly.	Steam wand clogged; milk not cold enough; incorrect milk type.	Clean steam wand thoroughly; use cold milk; try different milk types.
"Empty Water" indicator on.	Water reservoir is empty or not correctly inserted.	Fill water reservoir and ensure it is pushed in completely.
"Empty Grounds" indicator on.	Coffee grounds container is full or not correctly inserted.	Empty the coffee grounds container and ensure it is pushed in completely.

5. Technical Specifications

Feature	Detail
Brand	De'Longhi
Model Number	ECAM 21.117.B
Color	Black
Product Dimensions (D x W x H)	9.37 x 16.93 x 13.82 cm
Item Weight	9.5 Kilograms
Water Tank Capacity	1.8 Liters
Power / Wattage	1450 watts
Voltage	240V
Pump Pressure	15 bar
Material	Stainless Steel
Noise Level	44 Decibels
Auto Shutoff	No
Coffee Maker Type	Espresso Machine
Special Features	Programmable, Integrated Grinder, Milk Frother
Coffee Grounds Container Capacity	14 cups

6. Warranty Information

Your De'Longhi Magnifico S ECAM 21.117.SB Coffee Machine is covered by a manufacturer's warranty, as is standard for household appliances. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims.
For detailed warranty information, including coverage and exclusions, please refer to the warranty card included with your product or visit the official De'Longhi website for your region.

7. Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact De'Longhi customer support.

- Visit the official De'Longhi website for your region to find contact information, FAQs, and additional resources.
- Have your product model number (ECAM 21.117.SB) and serial number ready when contacting support.

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