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De'Longhi ECAM12.121.B

De'Longhi Magnifica S ECAM12.121.B User Manual

Bean-to-Cup Coffee Machine

1. Important Safety Instructions

Please read all instructions carefully before using the appliance. Keep this manual for future reference.

- **Electrical Safety:** Do not immerse the appliance, power cord, or plug in water or other liquids. Ensure the voltage matches your power supply.
- **Hot Surfaces:** The appliance generates hot water and steam. Avoid contact with hot surfaces and steam outlets. Use handles and knobs.
- **Children:** This appliance is not intended for use by children. Keep the appliance and its cord out of reach of children.
- **Maintenance:** Unplug the appliance from the outlet before cleaning and when not in use. Do not operate with a damaged cord or plug.
- **Intended Use:** This appliance is designed for household use only, for preparing coffee beverages. Any other use is considered improper and potentially dangerous.

2. Product Overview

Familiarize yourself with the components of your De'Longhi Magnifica S ECAM12.121.B coffee machine.





Figure 2.1: Front view of the De'Longhi Magnifica S ECAM12.121.B, showing the control panel, coffee spouts, and steam wand.



Figure 2.2: Detailed view of the control panel, including power button, coffee strength dial, coffee quantity buttons, and steam function knob.

2.1 Main Components

- **A. Water Tank:** Removable tank for fresh water.
- **B. Bean Container:** For whole coffee beans.
- **C. Grinder Adjustment Dial:** To set the fineness of the coffee grind.
- **D. Control Panel:** Buttons and dials for operating the machine.
- **E. Coffee Spouts:** Dispense brewed coffee. Adjustable height.
- **F. Steam Wand (Cappuccino System):** For frothing milk and dispensing hot water.
- **G. Drip Tray:** Collects excess water and coffee drips. Removable for cleaning.
- **H. Brewing Unit:** Internal component responsible for brewing coffee. Removable for cleaning.

3. Setup and First Use

3.1 Unpacking

1. Remove all packaging materials from the appliance.
2. Place the machine on a stable, flat surface away from water splashes and heat sources.
3. Remove the water tank, drip tray, and brewing unit (if accessible) and wash them with warm water and mild detergent. Rinse thoroughly.

3.2 Filling the Water Tank

1. Remove the water tank from the back of the machine.
2. Fill the tank with fresh, cold tap water up to the MAX level indicator. Do not use hot water or other liquids.
3. Replace the water tank securely into the machine.

3.3 Adding Coffee Beans



Figure 3.1: Adding whole coffee beans into the designated container at the top of the machine.

1. Open the lid of the bean container located on top of the machine.
2. Pour whole coffee beans into the container. Do not use ground coffee, instant coffee, or caramelized beans as this

can damage the grinder.
3. Close the lid.

3.4 Initial Circuit Priming

1. Plug the appliance into a power outlet.
2. Press the **ON/OFF** button. The machine will perform a self-diagnosis and rinse cycle.
3. Place a container under the coffee spouts and the steam wand.
4. The machine will dispense some hot water. This process primes the internal circuits. Wait until the machine stops and the indicator lights are stable.

4. Operating Instructions

4.1 Adjusting Coffee Grind

The grinder adjustment dial is located inside the bean container. Adjust this only when the grinder is operating.

- **Finer Grind (1-3):** Turn the dial towards '1' for a stronger, richer coffee, suitable for espresso.
- **Coarser Grind (4-7):** Turn the dial towards '7' for a lighter coffee, suitable for longer coffees.

Note: Adjust one click at a time and brew 2-3 coffees to notice the difference.

4.2 Making Espresso and Coffee

1. Ensure the water tank is filled and coffee beans are in the container.
2. Place one or two cups under the coffee spouts. Adjust the spout height to fit your cup.
3. **Select Coffee Strength:** Turn the coffee strength dial (beans icon) to your desired intensity (MIN to MAX).
4. **Select Coffee Quantity:** Press the button with the **single cup icon** for a single espresso or the button with the **double cup icon** for a double espresso. The machine will grind the beans and brew the coffee.
5. To stop brewing manually at any time, press the selected coffee button again.

4.3 Frothing Milk (Cappuccino System)



Figure 4.1: Using the traditional steam wand to create frothed milk for cappuccinos and lattes.

1. Prepare your espresso first.
2. Fill a pitcher with cold milk (preferably semi-skimmed) to about one-third full.
3. Turn the steam knob to the **STEAM** position. The steam indicator light will illuminate.
4. Immerse the steam wand into the milk, just below the surface.
5. Slowly lower the pitcher, allowing air to be drawn into the milk until desired froth is achieved. Then immerse the wand deeper to heat the milk.
6. Once done, turn the steam knob back to the **OFF** position.
7. *Important:* Clean the steam wand immediately after use with a damp cloth to prevent milk residue from drying.

5. Maintenance and Cleaning

Regular cleaning ensures optimal performance and extends the lifespan of your coffee machine.

5.1 Cleaning the Drip Tray and Grounds Container

- The drip tray and grounds container should be emptied and cleaned daily, or when the "empty grounds" indicator

light illuminates.

- Pull out the drip tray assembly.
- Remove the grounds container and discard the coffee pucks.
- Wash both components with warm water and mild detergent. Rinse thoroughly and dry before reassembling.

5.2 Cleaning the Brewing Unit



Figure 5.1: The removable brewing unit being rinsed under a tap, demonstrating ease of cleaning.

The brewing unit should be cleaned monthly or after approximately 200 coffees.

1. Turn off the machine and unplug it.
2. Open the service door on the right side of the machine.
3. Press the two red release buttons on the brewing unit and pull it out.
4. Rinse the brewing unit under running tap water until no coffee residue is visible. Do not use detergents.
5. Allow it to air dry completely before reinserting.
6. Ensure the brewing unit is correctly positioned before closing the service door.

5.3 Descaling

The machine will indicate when descaling is required (usually by a specific light). Use only De'Longhi descaler solution.

1. Empty the water tank and pour the descaler solution (as per product instructions) into the tank, then fill with water up to the MAX level.
2. Place a large container (at least 1.5L) under the coffee spouts and the steam wand.
3. Follow the specific descaling procedure outlined in the full manual or on the De'Longhi website, which typically involves activating a descaling cycle and allowing the machine to dispense the solution intermittently.
4. After the descaling cycle, rinse the water tank and fill it with fresh water. Perform several rinse cycles to ensure all descaler residue is removed.

6. Troubleshooting

Problem	Possible Cause	Solution
No coffee is dispensed.	Water tank empty; coffee beans empty; brewing unit blocked.	Fill water tank; fill bean container; clean brewing unit.
Coffee is too weak.	Grind is too coarse; not enough coffee powder; old beans.	Adjust grinder to finer setting; increase coffee strength; use fresh beans.
Machine not turning on.	Not plugged in; power outage.	Check power cord connection; check power supply.
Water leaks from machine.	Water tank not inserted correctly; drip tray full.	Ensure water tank is seated properly; empty and clean drip tray.

If problems persist, contact De'Longhi customer support.

7. Specifications

- **Brand:** De'Longhi
- **Model Name:** Magnifica S
- **Model Number:** ECAM12.121.B (Manufacturer's Part Number: 0132240003)
- **Coffee Maker Type:** Espresso Machine
- **Material:** Aluminum, Plastic
- **Color:** Black
- **Manufacturer:** De’Longhi Appliances S.r.l.
- **Dishwasher Safe Parts:** Yes (refer to specific components in manual)

8. Warranty and Support

Your De'Longhi Magnifica S ECAM12.121.B coffee machine comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including the warranty period and coverage details.

For technical assistance, spare parts, or further information, please visit the official De'Longhi website or contact their customer service department in your region. Keep your proof of purchase for warranty claims.

Online Resources: www.delonghi.com

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