De'Longhi ECAM290.21.B

De'Longhi Magnifica Evo ECAM290.21.B Espresso Coffee Machine User Manual

Model: ECAM290.21.B

1. Introduction

Welcome to the user manual for your new De'Longhi Magnifica Evo ECAM290.21.B Espresso Coffee Machine. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your appliance. Please read all instructions carefully before using the machine and retain this manual for future reference.

Important Safety Information

- Always read all instructions before use.
- Ensure the machine is connected to a grounded power outlet with the correct voltage.
- Do not immerse the machine, power cord, or plug in water or other liquids.
- Keep hands away from hot surfaces and steam outlets during operation.
- Supervise children to ensure they do not play with the appliance.
- Unplug the machine from the outlet when not in use and before cleaning.

2. Product Overview

The De'Longhi Magnifica Evo ECAM290.21.B is an automatic espresso coffee machine designed for ease of use and consistent coffee quality.

Components



Figure 1: Overall view of the De'Longhi Magnifica Evo ECAM290.21.B espresso machine, showing the water tank on the right and control panel on top.

1. **Water Tank:** Removable tank for fresh water.
2. **Bean Hopper:** Container for whole coffee beans.
3. **Control Panel:** Buttons and indicators for machine operation.
4. **Coffee Spouts:** Where brewed coffee is dispensed.
5. **Steam Wand:** For frothing milk.
6. **Drip Tray:** Collects excess water and coffee drips.
7. **Grounds Container:** Collects used coffee grounds.



Figure 2: Detailed view of the control panel, highlighting beverage selection buttons and status indicators.

The control panel features intuitive buttons for selecting various coffee types (Espresso, Coffee, Long) and a steam function. Indicator lights provide feedback on machine status, such as water level, descaling alerts, and grounds container status.

3. Initial Setup

Unpacking

1. Carefully remove the machine from its packaging.
2. Remove all protective films and packaging materials.
3. Place the machine on a stable, level surface away from water sources and heat.

First Use Preparation

1. **Fill Water Tank:** Remove the water tank, rinse it, and fill it with fresh tap water up to the MAX level. Reinsert the tank securely.
2. **Fill Bean Hopper:** Open the bean hopper lid and pour fresh coffee beans into the container. Do not use ground coffee in the bean hopper.
3. **Plug In:** Connect the power cord to the machine and then to a suitable electrical outlet.
4. **Initial Rinse Cycle:** Follow the on-screen or indicator light instructions for the initial rinse cycle. This primes the circuits and heats the machine. Place a container under the coffee spouts and steam wand during this process.

4. Operating the Machine

Turning On/Off

- **To Turn On:** Press the power button. The machine will perform a self-diagnosis and rinse cycle. Wait until the beverage buttons illuminate steadily.

- **To Turn Off:** Press the power button. The machine will perform a final rinse cycle before shutting down.

Making Espresso/Coffee



Figure 3: Front view of the machine, illustrating the coffee spouts and the removable drip tray.

1. Ensure the machine is on and ready (beverage buttons steadily lit).
2. Place one or two cups under the coffee spouts.
3. Select your desired beverage by pressing the corresponding button (e.g., Espresso, Coffee, Long).
4. The machine will grind the beans, brew, and dispense the coffee.

5. To stop dispensing early, press the selected beverage button again.

Using the Steam Wand



Figure 4: Angled view showing the steam wand on the left side of the machine, used for frothing milk.

1. Press the Steam button on the control panel. The indicator light will flash while heating, then become steady when ready.
2. Fill a pitcher with cold milk (dairy or non-dairy).
3. Submerge the steam wand tip just below the surface of the milk.
4. Turn the steam knob to release steam. Move the pitcher up and down to create foam.
5. Once desired texture and temperature are reached, turn off the steam knob.
6. Immediately clean the steam wand with a damp cloth to prevent milk residue from drying.

5. Maintenance and Cleaning

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your coffee machine.

Daily Cleaning

- **Drip Tray and Grounds Container:** Empty and rinse daily. The machine will indicate when the grounds container needs emptying.



Figure 5: Close-up of the removable drip tray, which should be emptied and cleaned regularly.

- **Water Tank:** Rinse and refill with fresh water daily.
- **Steam Wand:** Clean immediately after each use to prevent milk residue buildup.

Weekly Cleaning

- **Brew Unit:** Remove the brew unit (refer to machine specific instructions for removal), rinse it under running water, and allow it to air dry before reinserting.
- **Coffee Spouts:** Clean the coffee spouts with a damp cloth.

Descaling

The machine will indicate when descaling is required. Descaling removes mineral deposits that can affect machine performance and coffee taste. Use only De'Longhi descaling solution and follow the instructions provided with the descaler or in the machine's specific descaling program.

6. Troubleshooting Guide

Problem	Possible Cause	Solution
No coffee dispensed	Water tank empty; brew unit clogged; coffee spout blocked.	Fill water tank; clean brew unit; clean coffee spouts.

Problem	Possible Cause	Solution
Coffee is too weak	Insufficient coffee grounds; coarse grind setting; too much water.	Adjust grind setting finer; select a stronger coffee option; reduce water volume.
Steam wand not producing steam	Wand clogged; machine not heated to steam temperature.	Clean steam wand hole; wait for steam indicator to become steady.
Machine leaking water	Water tank not seated correctly; drip tray full; internal leak.	Ensure water tank is pushed in fully; empty drip tray; contact support if issue persists.

7. Technical Specifications

Feature	Specification
Brand	De'Longhi
Model Number	ECAM290.21.B
Power / Wattage	1450 watts
Water Tank Capacity	1.8 Liters
Bean Hopper Capacity	250 grams
Product Dimensions (D x W x H)	44 x 24 x 36 cm
Item Weight	9.4 Kilograms
Material	PVC



Figure 6: Dimensional diagram of the machine, indicating height and width measurements.

8. Warranty and Customer Support

This De'Longhi Magnifica Evo ECAM290.21.B espresso coffee machine comes with a local warranty provided by Raya. Please refer to your warranty card or purchase documentation for specific terms, conditions, and duration of coverage.

For technical assistance, spare parts, or warranty claims, please contact the authorized service center or your local retailer. Ensure you have your proof of purchase and the machine's model number readily available.

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