De'Longhi ECAM 290.81.TB

De'Longhi ECAM 290.81.TB Fully Automatic Coffee Machine User Manual

Model: ECAM 290.81.TB | Brand: De'Longhi

Introduction

Welcome to the user manual for your new De'Longhi ECAM 290.81.TB Fully Automatic Coffee Machine. This guide provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your appliance. Please read this manual thoroughly before using the machine for the first time and keep it for future reference.

Important Safety Information

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and/or injury to persons. Ensure the machine is placed on a stable, level surface and is not accessible to children. Do not immerse the appliance in water. Refer to the full safety instructions provided in the packaging for detailed guidelines.

Product Overview

Familiarize yourself with the main components of your De'Longhi ECAM 290.81.TB coffee machine.





Figure 1: Front view of the De'Longhi ECAM 290.81.TB fully automatic coffee machine, showcasing its sleek design, integrated milk frother, and a freshly prepared latte macchiato.

Key Components:

- **Control Panel:** Touch-sensitive buttons for drink selection and settings.
- **Bean Hopper:** Located at the top, for whole coffee beans.
- **Water Tank:** Removable tank for fresh water.

- **Coffee Spouts:** Where coffee is dispensed.
- **Milk System (LatteCrema System):** For automatic milk frothing.
- **Drip Tray:** Collects excess liquid.
- **Coffee Grounds Container:** Collects used coffee pucks.



Figure 2: Detailed view of the intuitive control panel, showing various coffee selections like My Latte, Latte Macchiato, Cappuccino, Espresso, Coffee, Long, and Hot Water options.

Setup

1. Unpacking

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

2. Initial Cleaning

- Wash the water tank, milk carafe, and drip tray with warm water and mild detergent. Rinse thoroughly.
- Wipe the exterior of the machine with a soft, damp cloth.

3. 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.
3. Insert the water tank back into the machine, ensuring it is seated correctly.

4. Filling the Bean Hopper

- Open the lid of the bean hopper located on top of the machine.
- Pour fresh coffee beans into the hopper. Do not use ground coffee, instant coffee, or caramelized beans.
- Close the lid securely.

5. First Use / Priming

1. Plug the machine into a power outlet.
2. Press the ON/OFF button to turn on the machine.
3. Follow the on-screen instructions (if any) or indicator lights for the initial circuit priming. This usually involves dispensing hot water to prepare the internal circuits.

Operating Instructions

1. Turning On/Off

- Press the **ON/OFF** button to turn the machine on. The machine will perform a self-diagnosis and rinse cycle.
- Press and hold the **ON/OFF** button to turn the machine off. It will perform a final rinse cycle before shutting down.

2. Adjusting Settings

- **Grind Setting:** The grind adjustment dial is located inside the bean hopper. Adjust it only when the coffee grinder is operating. A finer grind (lower number) results in a stronger coffee, while a coarser grind (higher number) results in a milder coffee.
- **Coffee Temperature:** Access this setting through the machine's menu (refer to the full manual for specific menu navigation).

3. Making Coffee

Place one or two cups under the coffee spouts.





Figure 3: The coffee machine preparing two servings of espresso simultaneously, demonstrating its dual-spout capability.

- **Espresso:** Press the **Espresso** button.

- **Coffee:** Press the **Coffee** button.
- **Long:** Press the **Long** button.
- To make two cups, press the desired coffee button twice in quick succession.

4. Making Milk-Based Drinks

Ensure the milk carafe is filled with cold milk and attached to the machine.





Figure 4: A detailed shot of the machine's milk frothing system in action, creating a rich foam layer for a layered coffee drink.

- **Latte Macchiato:** Press the **Latte Macchiato** button.
- **Cappuccino:** Press the **Cappuccino** button.
- **My Latte:** Press the **My Latte** button for a customizable milk-based drink.
- The machine will automatically froth the milk and dispense coffee.

5. Hot Water Function

- Place a cup under the hot water spout.
- Press the **Hot Water** button.
- Press the button again to stop the hot water dispensing.

6. Using Pre-Ground Coffee

- Open the ground coffee funnel lid.
- Add one level scoop of pre-ground coffee (for one cup). Do not add more than one scoop.
- Select your desired coffee drink. The machine will bypass the grinder and use the pre-ground coffee.

Maintenance

Regular cleaning and maintenance ensure optimal performance and longevity of your coffee machine.

1. Daily Cleaning

- **Drip Tray and Coffee Grounds Container:** Empty and rinse daily. The machine will indicate when the grounds container needs emptying.
- **Water Tank:** Rinse daily and refill with fresh water.
- **Coffee Spouts:** Wipe with a damp cloth.

2. Milk System Cleaning

- After each milk-based drink, the machine will prompt for a quick clean of the milk system. Follow the on-screen instructions.
- Periodically disassemble the milk carafe components and wash them thoroughly with warm water and mild detergent.

3. Descaling

- The machine will indicate when descaling is required.
- Use only De'Longhi descaler solution.

- Follow the detailed instructions provided in the machine's display or the full manual for the descaling process. This typically involves running a descaling solution through the machine, followed by several rinse cycles.

4. Brew Unit Cleaning

- The brew unit should be rinsed with tap water at least once a month.
- Turn off and unplug the machine.
- Open the service door and remove the brew unit by pressing the two red release buttons.
- Rinse under running water until no coffee residue is visible.
- Allow it to air dry before reinserting.

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
Coffee is too weak or watery.	Grind setting is too coarse; insufficient coffee dose; old beans.	Adjust grind to a finer setting; ensure bean hopper is full; use fresh beans.
Coffee is dispensing too slowly or not at all.	Grind setting is too fine; brew unit clogged; machine needs descaling.	Adjust grind to a coarser setting; clean the brew unit; perform descaling.
Milk is not frothing correctly.	Milk carafe or components are dirty; milk is not cold enough; wrong type of milk.	Clean the milk carafe thoroughly; use fresh, cold milk (preferably semi-skimmed); ensure all parts are correctly assembled.
Machine is noisy during operation.	Normal operation sound (grinding); air in water circuit.	Some noise during grinding is normal. If excessive, ensure water tank is properly inserted and filled. Run a hot water cycle to prime.
Water tank difficult to insert.	Misalignment; obstruction.	Ensure the tank is aligned correctly with the guides. Check for any obstructions in the compartment.
Coffee grounds container sensor too sensitive.	Sensor residue; container not fully seated.	Clean the sensor area (refer to full manual for location). Ensure the container is pushed in completely.

Specifications

Key technical specifications for the De'Longhi ECAM 290.81.TB Fully Automatic Coffee Machine:

- **Brand:** De'Longhi
- **Model Number:** ECAM290.81.TB
- **Color:** sw (Titanium)
- **Dimensions (L x W x H):** 44 x 24 x 36 cm
- **Weight:** 9.2 Kilograms
- **Capacity:** 1.8 Litres (Water Tank)
- **Power:** 1450 Watts
- **Voltage:** 240 Volts

- **Material:** Titanium
- **Special Feature:** Integrated coffee grinder
- **Coffee Maker Type:** Espresso Machine
- **Automatic Shut-off Function:** Yes

Warranty and Support

Warranty Information

Your De'Longhi ECAM 290.81.TB coffee machine comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, spare parts, or service, please contact De'Longhi customer support. Contact details can typically be found on the official De'Longhi website or in your product documentation. When contacting support, please have your model number (ECAM 290.81.TB) and serial number ready.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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