



Manuals.plus /

› De'Longhi /

› De'Longhi ECAM45055S Eletta Explore Fully Automatic Coffee Machine User Manual

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Model: ECAM45055S | Brand: De'Longhi

1. INTRODUCTION

The De'Longhi ECAM45055S Eletta Explore is a fully automatic coffee machine designed to deliver a wide range of hot and cold coffee and milk-based beverages. Featuring a built-in conical burr grinder and advanced LatteCrema Hot and Cool Systems, this machine offers convenience and versatility for crafting personalized drinks at home. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Eletta Explore coffee machine.



Figure 1: The De'Longhi ECAM45055S Elettta Explore Fully Automatic Coffee Machine, showcasing its sleek design, touch screen, and two milk carafes for hot and cold foam.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before using the appliance. Failure to follow these instructions may result in injury or damage to the machine.

- Ensure the machine is connected to a grounded power outlet with the correct voltage (120 Volts).
- Do not immerse the machine, power cord, or plug in water or other liquids.
- Keep hands and fingers away from moving parts, especially the grinder.
- Exercise caution when handling hot liquids and steam. The machine produces hot beverages and steam, which can cause burns.
- Unplug the machine from the power outlet before cleaning or when not in use for extended periods.
- Do not operate the machine if it has a damaged cord or plug, or if it malfunctions or has been damaged in any manner.
- This appliance is for household use only. Do not use outdoors.

3. PACKAGE CONTENTS

Verify that all components are present in the packaging:

- De'Longhi Eletta Explore Espresso Machine
- Travel Mug
- Carbon Active Filter
- Measuring Scoop
- Total Hardness Test Strip
- Cleaning Brush
- Descaler 100mL
- Removable Water Spout
- Milk jug (for hot foam)
- Milk jug (for cool foam)



Figure 2: All components included with the De'Longhi Eletta Explore machine, including two milk carafes, a travel mug, cleaning tools, and descaler.

4. SETUP AND FIRST USE

4.1 Initial Preparation

1. Remove all packaging materials from the machine.
2. Place the machine on a stable, flat surface.
3. Fill the water tank with fresh, cold water. Ensure the water filter is installed if using one.
4. Open the bean hopper lid and fill with fresh coffee beans. Do not use ground coffee in the bean hopper.
5. Plug the machine into a suitable power outlet.

4.2 First Use Cycle

Upon first power-on or after a long period of inactivity, the machine will guide you through an initial setup and rinsing cycle.

Follow the on-screen prompts to complete this process. This ensures the internal circuits are primed and clean for optimal performance.



Figure 3: A hand pouring fresh coffee beans into the integrated bean hopper of the De'Longhi Eletta Explore machine.

5. OPERATING THE MACHINE

5.1 Touch Screen Interface

The Eletta Explore features a 3.5-inch TFT full-touch display for intuitive navigation and drink selection. Swipe left or right to browse through the available recipes. Tap on a drink icon to select it.



Figure 4: A finger selecting a drink option on the vibrant touchscreen display of the De'Longhi Elettta Explore.

5.2 Making Coffee and Espresso

To brew a coffee or espresso:

1. Place a cup under the coffee spouts.
2. Select your desired coffee type (e.g., Espresso, Coffee, Americano) from the display.
3. Adjust the size and strength using the on-screen sliders. You can also select "Pre-ground" if using pre-ground coffee in the dedicated funnel.
4. Press "Brew" to start the preparation.

5.3 Milk-Based Beverages (LatteCrema Systems)

The Elettta Explore comes with two LatteCrema Systems for hot and cold foam. Use the appropriate milk jug for your desired beverage.

- **LatteCrema Hot System:** For classic hot milk beverages like Cappuccino, Latte, and Flat White. This system textures milk to perfection.
- **LatteCrema Cool System:** Delivers velvety cold foam at the ideal temperature for iced drinks such as Iced Cappuccino and Iced Latte.

To prepare a milk-based drink:

1. Fill the appropriate milk jug with cold milk (dairy or plant-based alternatives).
2. Attach the milk jug to the machine's milk spout.
3. Place a cup under the coffee and milk spouts.
4. Select your desired milk-based beverage from the display.
5. Press "Brew" to start. The machine will automatically froth and dispense milk, then brew the coffee.



Figure 5: The De'Longhi Eletta Explore with both the hot and cold milk carafes, demonstrating the versatility for preparing both hot and iced coffee beverages.



Figure 6: A visual comparison of hot and cold frothed milk, highlighting the distinct textures produced by the LatteCrema Hot and Cool Systems.

5.4 Customization and Profiles

The machine allows for extensive customization of your beverages. You can adjust coffee strength, temperature, and milk quantity. Create personalized user profiles to save your favorite settings for quick access.

- **Grinder Adjustment:** The conical burr grinder has 13 settings. Adjust the grind fineness using the dial inside the bean hopper. Finer grind for stronger espresso, coarser for lighter coffee.
- **Bean Adapt Technology:** This feature automatically adjusts the machine's settings for ideal coffee extraction based on your chosen bean type (roast level).
- **Travel Mug Function:** The machine is designed to accommodate a travel mug for on-the-go beverages. Select the "To Go" option on the display.



Figure 7: A hand adjusting the grind fineness dial located within the bean hopper of the De'Longhi Eletta Explore.



Figure 8: The De'Longhi Elettta Explore dispensing coffee directly into a travel mug, illustrating its convenience for users on the go.



Figure 9: A display of various coffee beverages, including espresso, latte, and cappuccino, prepared using the De'Longhi Eletta Explore machine.

6. MAINTENANCE AND CLEANING

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

6.1 Daily Cleaning

- **Drip Tray and Grounds Container:** Empty and rinse the drip tray and coffee grounds container daily. The machine will prompt you when the grounds container needs emptying.
- **Milk Jugs:** After each use, detach the milk jug and rinse all components under running water. The milk jugs are dishwasher-safe for thorough cleaning.
- **Coffee Spouts:** Wipe the coffee spouts with a damp cloth.

6.2 Weekly/Monthly Cleaning

- **Brew Unit:** The brew unit is removable for easy cleaning. Remove it weekly and rinse under running water. Allow it to air dry before reinserting.
- **Water Tank:** Clean the water tank periodically with a mild detergent and rinse thoroughly.

6.3 Descaling

The machine will indicate when descaling is required. Use the provided De'Longhi descaler (100mL) and follow the on-screen instructions for the descaling cycle. Regular descaling prevents limescale buildup and ensures optimal machine performance and coffee quality.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
No coffee dispensed.	Water tank empty; brew unit clogged; coffee beans empty.	Fill water tank; clean brew unit; fill bean hopper.
Coffee is too weak.	Grind setting too coarse; insufficient coffee strength selected.	Adjust grinder to a finer setting; increase coffee strength on display.
Milk not frothing properly.	Milk jug or milk spout clogged; milk not cold enough; incorrect milk type.	Clean milk jug components thoroughly; use cold milk; try different milk types.
"Descale" message appears.	Limescale buildup.	Perform a descaling cycle as instructed by the machine.

8. SPECIFICATIONS

Brand: De'Longhi

Model Name: Eletta Explore Fully Automatic Coffee Machine

Item Model Number: ECAM45055S

Product Dimensions: 17.5"D x 10.25"W x 15.13"H

Item Weight: 24.7 pounds

Voltage: 120 Volts

Operation Mode: Fully Automatic

Coffee Input Type: Beans (whole bean)

Filter Type: Reusable (Carbon Active Filter included)

Human Interface Input: Touchscreen

Special Feature: Programmable, Hot and Cold Foam Technology

UPC: 044387450553

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official De'Longhi website. Keep your proof of purchase for warranty claims.