De'Longhi EC685R

De'Longhi Dedica Deluxe EC685R Espresso Machine

INSTRUCTION MANUAL

Product Overview

The De'Longhi Dedica Deluxe EC685R is a compact and stylish 15-bar pump espresso machine designed for home use. It features a Thermoblock Heating System for rapid heating, an adjustable frother for milk-based beverages, and a versatile filter holder for ground coffee and E.S.E. Pods. Its slim design makes it suitable for various kitchen spaces.





Figure 1: Front view of the De'Longhi Dedica Deluxe EC685R Espresso Machine in red, showing the portafilter and steam wand.

Key Features:

- Compact, stylish espresso machine for home barista-quality drinks.
- Consistent temperature with Thermoblock heating system.
- Swift heating: ready in just 40 seconds.
- Self-priming system for immediate use.
- Personalize coffee length with flow stop function.
- Professional 15-bar pump for optimal extraction.
- Versatile filter holder for ground coffee and E.S.E. Pods.
- Adjustable Cappuccino System for various drinks and infusions.
- Dual-level drip tray accommodates various cup sizes.
- Space-saving design: only 6 inches wide.
- Durable metal construction.
- Top cup warmer for preheated mugs.

- User-friendly control panel with illuminated buttons.
- Energy-saving automatic standby mode.
- Descaling alert for maintenance.

Setup and First Use

1. Unpacking and Initial Cleaning:

1. Remove all packaging materials from the machine.
2. Wash the water tank, portafilter, and drip tray with warm water and mild detergent. Rinse thoroughly.
3. Wipe the exterior of the machine with a damp cloth.

2. Filling the Water Tank:

The water tank is located at the back of the machine. Remove it by pulling it upwards. Fill the tank with fresh, cold drinking water up to the MAX level indicator. Replace the tank, ensuring it is properly seated to prevent water flow issues.



Figure 2: Side view of the espresso machine, highlighting the transparent water tank at the rear.

3. Priming the Machine (First Use or After Extended Non-Use):

1. Ensure the water tank is filled.
2. Place a container under the coffee spouts and the steam wand.

3. Turn on the machine. Wait for the indicator lights to stabilize, indicating the machine is heated.
4. Turn the steam knob to the steam position to dispense hot water through the steam wand until water flows continuously. Close the steam knob.
5. Press the coffee button to dispense water through the coffee spouts until water flows continuously.
6. The machine is now primed and ready for use.

Operating Instructions

1. Making Espresso:

1. **Prepare the Portafilter:** Select the appropriate filter basket (single or double shot) and insert it into the portafilter.



Figure 3: From left to right: Portafilter assembly, single shot filter basket, and double shot filter basket.

2. **Add Coffee Grounds:** For ground coffee, fill the filter basket with finely ground espresso coffee. Use the tamper to press the coffee firmly and evenly. For E.S.E. Pods, place one pod into the single shot filter basket.
3. **Attach Portafilter:** Insert the portafilter into the group head of the machine. Turn it firmly to the right until it is securely locked in place.
4. **Place Cup:** Position one or two cups under the coffee spouts.
5. **Brew Espresso:** Press the desired coffee button (single or double shot). The machine will automatically dispense the programmed amount of espresso. Press the button again to stop manually if desired.

2. Frothing Milk (Cappuccino System):

1. **Prepare Milk:** Fill a pitcher with cold milk (dairy or non-dairy) to about one-third full.
2. **Activate Steam:** Press the steam button on the control panel. Wait for the steam indicator light to illuminate steadily, indicating the machine is ready for steaming.
3. **Purge Steam Wand:** Briefly turn the steam knob to release any condensed water from the wand into an empty container, then close it.
4. **Froth Milk:** Immerse the steam wand tip just below the surface of the milk. Slowly turn the steam knob to open it. Move the pitcher up and down to create foam. Once desired foam and temperature are reached, close the steam knob.
5. **Clean Steam Wand:** Immediately after frothing, wipe the steam wand with a damp cloth to remove any milk residue. Briefly open the steam knob again to purge any milk from inside the wand.

3. Hot Water Dispensing:

To dispense hot water, ensure the machine is heated. Place a cup under the steam wand. Turn the steam knob to the hot water position. Close the knob when the desired amount of hot water is dispensed.

Maintenance and Cleaning

1. Daily Cleaning:

- **Drip Tray:** Empty and rinse the drip tray daily.
- **Portafilter and Filter Baskets:** After each use, remove spent coffee grounds and rinse the portafilter and filter baskets under running water.
- **Steam Wand:** Clean immediately after each use as described in the "Frothing Milk" section.
- **Exterior:** Wipe the machine's exterior with a soft, damp cloth. Do not use abrasive cleaners.

2. Descaling:

The machine features a descaling alarm to indicate when descaling is required. Regular descaling is crucial for maintaining machine performance and coffee quality, especially in areas with hard water. Use a suitable descaling solution, such as De'Longhi EcoDecalk.



Figure 4: Example of a recommended descaling solution for the espresso machine.

Follow the instructions provided with your descaling solution. Generally, the process involves:

1. Empty the water tank and fill it with the descaling solution mixed with water as per the solution's instructions.
2. Place a large container under the coffee spouts and steam wand.
3. Initiate the descaling cycle (refer to the full user manual for specific button combinations, usually involves holding a

button).
4. Allow the machine to run the descaling solution through until the tank is empty.
5. Rinse the water tank thoroughly and fill it with fresh water.
6. Run several cycles of fresh water through the machine to rinse out any remaining descaling solution.

Troubleshooting

Problem	Possible Cause	Solution
No coffee dispensed or very slow flow.	Water tank empty or not properly seated. Coffee grounds too fine or tamped too hard. Machine needs descaling.	Fill water tank and ensure it's seated correctly. Use slightly coarser grind or less pressure when tamping. Perform a descaling cycle.
Coffee is too weak.	Coffee grounds too coarse. Insufficient coffee in filter. Brewing time too short.	Use finer grind. Increase amount of coffee grounds. Adjust flow stop function for longer extraction.
Steam wand not producing steam or producing only water.	Steam wand clogged with milk residue. Machine not at steaming temperature.	Clean steam wand thoroughly, use a pin to clear the hole. Wait for the steam indicator light to be steady.
Descaling alarm light is on.	Accumulation of limescale.	Perform a descaling cycle as described in the Maintenance section.

Specifications

Feature	Detail
Brand	De'Longhi
Model Name	EC685R (Dedica Deluxe)
Color	Red
Coffee Maker Type	Espresso Machine
Operation Mode	Semi-Automatic
Pump Pressure	15 Bar
Heating System	Thermoblock
Water Tank Capacity	35 oz (approx. 1.03 liters)
Dimensions (L x W x H)	5.87 x 12.99 x 11.93 inches

Feature	Detail
Item Weight	9.26 pounds
Voltage	220 Volts
Coffee Input Type	Ground coffee, E.S.E. Pods
Special Features	Cup Warmer, Milk Frother, Descaling Alarm, Auto Standby

Warranty and Support

For detailed warranty information and customer support, please refer to the official De'Longhi website or the warranty card included with your product. You can also find the comprehensive user manual in PDF format for further assistance and detailed instructions.

Official User Manual (PDF): Download PDF

For technical assistance or service, please contact De'Longhi customer service directly.

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