## De'Longhi BCO431.S

# DELONGHI BCO431.S Combined Filter and Espresso Coffee Machine User Manual

Model: BCO431.S

## Important Safety Information

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

- Ensure the voltage indicated on the appliance corresponds to your main voltage before connecting.
- Do not immerse the appliance, power cord, or plug in water or other liquids.
- Always unplug the appliance from the power outlet before cleaning and when not in use.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner.
- Keep children away from the appliance during operation.
- Avoid contact with hot surfaces. Use handles or knobs.
- Use only cold water in the water tank.

## Product Overview

The DELONGHI BCO431.S is a versatile combined coffee machine designed to prepare both filter coffee and espresso. It features a digital interface for easy control and a manual cappuccino system for milk-based beverages.




Image: DELONGHI BCO431.S Combined Filter and Espresso Coffee Machine. This image shows the front view of the appliance, highlighting its dual coffee preparation sections and control panel.

### Key Features:

- Combined espresso and filter coffee functionality.
- Digital interface for intuitive control.
- 15-bar pump pressure for rich espresso with perfect crema.
- Manual cappuccino system for frothing milk.
- High-capacity carafe for up to 10 cups of filter coffee.
- Frontal access for easy water tank and coffee filter refilling.
- Cup warmer, timer, and programmable features.

## Setup

1. **Unpacking:** Carefully remove the appliance and all accessories from the packaging. Retain packaging for future transport or storage.
2. **Initial Cleaning:** Before first use, wash the water tanks, filter holders, carafe, and all removable parts with warm water and mild detergent. Rinse thoroughly.
3. **Positioning:** Place the coffee machine on a stable, flat, heat-resistant surface, away from water splashes and heat sources. Ensure adequate ventilation around the unit.

4. **Filling Water Tank:** Fill the water tank(s) with fresh, cold water up to the MAX level indicator.
5. **First Cycle (Priming):** Run a cycle without coffee for both the espresso and filter coffee sections to rinse the internal circuits. Follow the operating instructions for each section, using only water.

## Operating Instructions

### Preparing Espresso

1. **Fill Water Tank:** Ensure the espresso water tank is filled with fresh, cold water.
2. **Insert Filter:** Place the appropriate filter (for ground coffee or ESE pods) into the portafilter.
3. **Add Coffee:** For ground coffee, add one or two scoops of finely ground espresso coffee to the filter. Tamp lightly. For ESE pods, insert one pod.
4. **Attach Portafilter:** Securely attach the portafilter to the brewing head.
5. **Place Cup:** Position one or two espresso cups on the drip tray, under the portafilter spouts.
6. **Start Brewing:** Select the espresso function and press the brew button. The machine will heat up and then dispense espresso.
7. **Stop Brewing:** Press the brew button again to stop the flow when the desired amount of espresso is reached.

### Preparing Filter Coffee

1. **Fill Water Tank:** Ensure the filter coffee water tank is filled with fresh, cold water, corresponding to the number of cups desired (up to 10).
2. **Insert Filter:** Place a paper filter (or the permanent gold filter, if included) into the filter basket.
3. **Add Coffee:** Add the desired amount of ground filter coffee to the filter basket. Refer to the manufacturer's recommendations for coffee-to-water ratio.
4. **Place Carafe:** Position the glass carafe on the warming plate beneath the filter basket.
5. **Start Brewing:** Select the filter coffee function and press the brew button. The machine will begin brewing.
6. **Keep Warm:** The warming plate will keep the coffee hot after brewing.

### Using the Manual Cappuccino System (Steam Wand)

1. **Prepare Steam:** Turn the steam knob to the steam position. Wait for the steam indicator light to illuminate, indicating the machine has reached the correct temperature.
2. **Prepare Milk:** Fill a pitcher with cold milk (preferably semi-skimmed) to about one-third full.
3. **Froth Milk:** Immerse the steam wand tip just below the surface of the milk. Open the steam valve slowly. Move the pitcher up and down to create foam.
4. **Clean Wand:** After frothing, close the steam valve. Wipe the steam wand immediately with a damp cloth to prevent milk residue from drying.

## Maintenance

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

- **Daily Cleaning:**
  - Empty and rinse the drip tray and coffee grounds container daily.
  - Wash the portafilter and filter baskets after each use.
  - Wipe the exterior of the machine with a damp cloth.

- **Water Tank:** Rinse the water tank regularly. Do not use abrasive cleaners.
- **Descaling:** The machine requires periodic descaling to remove mineral buildup. The frequency depends on water hardness and usage. Refer to the manufacturer's descaling solution instructions.
- **Steam Wand:** Ensure the steam wand is cleaned immediately after each use to prevent blockages. Use a pin to clear any dried milk from the nozzle if necessary.

## Troubleshooting

If you encounter issues, consult the following common troubleshooting tips before contacting customer service.

| Problem | Possible Cause | Solution |
|---|---|---|
| Machine does not turn on. | Not plugged in; power outlet faulty. | Check power cord connection; try a different outlet. |
| No coffee dispenses. | Water tank empty; coffee too finely ground/tamped too hard (espresso); clogged filter. | Fill water tank; use coarser grind/lighter tamp; clean filter/descaling may be needed. |
| Coffee is too weak/watery. | Insufficient coffee; coffee too coarsely ground; too much water. | Increase coffee amount; use finer grind; adjust water volume. |
| Steam wand not producing steam. | Not heated sufficiently; clogged nozzle. | Wait for steam indicator; clean nozzle with a pin. |

## Specifications

- **Model:** BCO431.S
- **Brand:** De'Longhi
- **Dimensions (L x W x H):** 15.75 x 11.81 x 11.81 cm
- **Weight:** 7.5 Kilograms
- **Power:** 1750 Watts
- **Voltage** / **Frequency:** 220-240V / 50-60Hz
- **Water Tank Capacity:** 1.25 Liters
- **Filter Coffee Capacity:** Up to 10 cups
- **Pump Pressure:** 15 bar
- **Material:** Stainless Steel, Plastic
- **Special Features:** Cup warmer, Timer, Milk frother, Programmable
- **Operating Mode:** Semi-automatic

## Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or visit the official De'Longhi website. For technical support or service, contact De'Longhi customer service in your region. Keep your proof of purchase for warranty claims.