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› [Breville](#) /

› Breville Precision Brewer Drip Coffee Machine, Thermal Carafe, One Size, Brushed Stainless Steel

Breville BDC450BSS1BUS1

Breville Precision Brewer Drip Coffee Machine User Manual

Model: BDC450BSS1BUS1

PRODUCT OVERVIEW

The Breville Precision Brewer Thermal is a versatile 60 oz drip coffee maker designed to brew third wave specialty coffee at home. It features precise temperature control and brewing time, offering a range of customizable options for an optimal coffee experience.



Figure 1: The Breville Precision Brewer Drip Coffee Machine with thermal carafe.

SETUP

1. **Unpack and Clean:** Carefully remove all components from the packaging. Wash the thermal carafe, filter baskets, and water tank lid with warm soapy water. Rinse thoroughly and dry.



60 fl.oz capacity water tank

Figure 2: The 60 fl.oz capacity water tank, ready for filling.

2. **Position the Machine:** Place the coffee machine on a flat, stable, and heat-resistant surface near a power outlet.
3. **Install Filter Basket:** Choose between the Flat Bottom or Cone Filter basket based on your brewing volume and desired flavor profile. Insert the chosen basket into the brew head. For smaller volumes (1-8 cups), use the Cone Filter with a #4 cone paper filter. For larger volumes (9-12 cups), use the Flat Bottom basket with a flat-bottom paper filter or the included mesh basket filter.



Includes flat bottom and cone filter baskets delivering different flavor profiles

Figure 3: The included flat bottom and cone filter baskets, allowing for different flavor profiles.

4. **Fill Water Tank:** Open the water tank lid and fill the tank with fresh, cold water up to the desired level, indicated by the markings for cups or ounces. Ensure the water level does not exceed the 'MAX CARAFE' line.
5. **Place Thermal Carafe:** Ensure the thermal carafe is correctly positioned on the heating plate beneath the brew head.
6. **Power On:** Plug the power cord into a grounded electrical outlet. The LCD display will illuminate.

OPERATING INSTRUCTIONS

The Breville Precision Brewer offers various brewing modes and customizable settings to achieve your perfect cup of coffee.

Brewing Modes:

- **Fast:** For a quick brew cycle.
- **Gold:** Automatically adjusts water temperature (197°F to 204°F) and brew time to meet SCA (Specialty Coffee Association) standards for optimal extraction.
- **Strong:** Produces a more concentrated coffee.
- **Over Ice:** Brews coffee directly over ice for a chilled beverage.

- **Cold Brew:** A longer brewing cycle for a smooth, low-acid cold brew concentrate.
- **My Brew:** Allows for complete customization of brewing parameters.



Figure 4: The digital display showing various brewing modes and settings.

Customizing Your Brew (My Brew Setting):

In 'My Brew' mode, you can fine-tune the following:

- **Bloom Time:** Adjust the pre-infusion time for coffee grounds.
- **Brew Temperature:** Set the precise water temperature for brewing.
- **Flow Rate:** Control how quickly water is dispensed over the coffee grounds.



Figure 5: Detailed customization options available in 'My Brew' mode.

Auto Start Function:

Set a specific time for your coffee machine to automatically start brewing, ensuring fresh coffee is ready when you need it. Refer to the full user manual for detailed instructions on setting the auto-start timer.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Breville Precision Brewer.

Daily Cleaning:

- After each use, discard used coffee grounds and rinse the filter basket and thermal carafe with warm water.
- Wipe down the exterior of the machine with a soft, damp cloth.

Descaling:

The machine will indicate when descaling is required based on your water hardness settings. Use a descaling solution (e.g., half water, half white vinegar) and follow the machine's prompts for the descaling cycle. This process removes mineral buildup and maintains brewing efficiency.

TROUBLESHOOTING

If you encounter issues with your Breville Precision Brewer, consider the following common solutions:

- **Coffee not brewing:** Ensure the water tank is filled to the appropriate level and the thermal carafe is correctly placed. Check that the machine is plugged in and powered on.
- **Weak or strong coffee:** Adjust the coffee-to-water ratio. For stronger coffee, use more grounds or select the 'Strong' brew mode. For weaker coffee, use less grounds. Ensure the correct filter basket (cone for smaller, flat for larger) is used for the volume.
- **Slow brewing:** This may indicate mineral buildup. Perform a descaling cycle as described in the Maintenance section.
- **Carafe lid issues:** If the carafe lid is difficult to pour from or seems to malfunction, ensure it is properly assembled and clean. Refer to the full user manual for detailed carafe assembly and cleaning instructions.
- **Error messages:** Consult the full user manual for specific error code meanings and troubleshooting steps.

SPECIFICATIONS

Brand	Breville
Model Name	Precision Brewer
Item Model Number	BDC450BSS1BUS1
Color	Brushed Stainless Steel
Product Dimensions	12.72"D x 6.69"W x 15.75"H
Item Weight	10.63 pounds
Capacity	60 oz
Power	1650 Watts
Voltage	110 to 120 Volts
Filter Type	Reusable (and paper compatible)
Operation Mode	Fully Automatic



Product Dimensions

15.7" High x 12.7" Wide x 6.7" Deep

Figure 6: Product dimensions for placement consideration.

WARRANTY AND SUPPORT

The Breville Precision Brewer comes with a **2 Year Limited Product Warranty**.

For detailed warranty information, product support, or to download the complete user manual, please visit the official Breville website or refer to the [User Manual \(PDF\)](#) provided with your product.