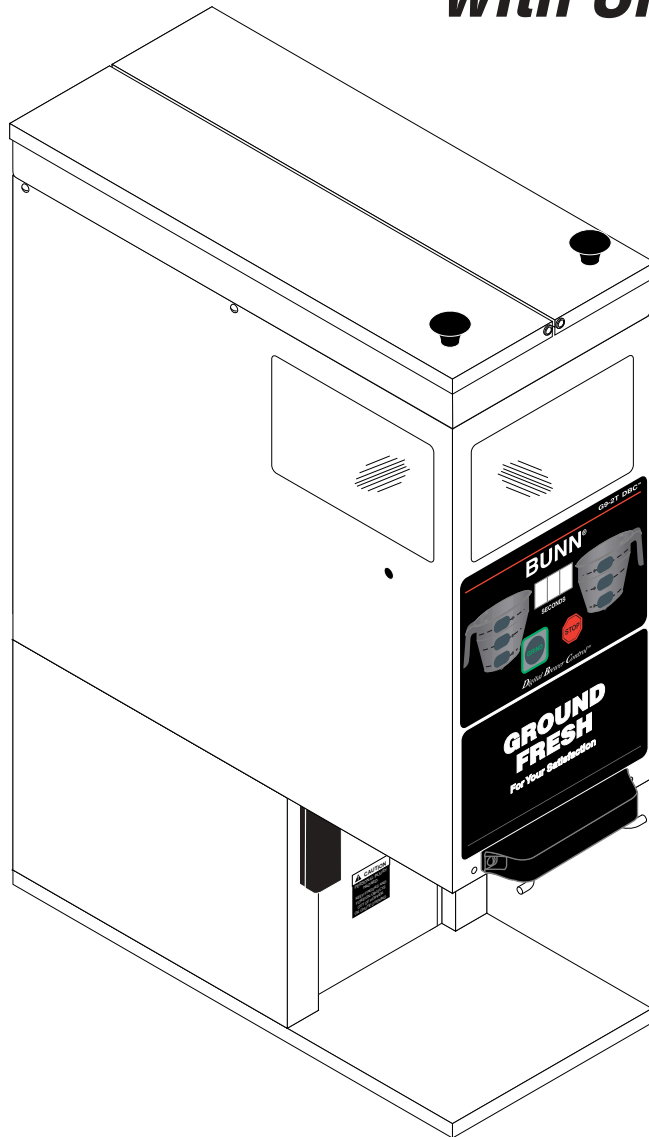


BUNN®

G9-2T DBC
for use
with Smart Funnel™



INSTALLATION & OPERATING MANUAL

BUNN-O-MATIC CORPORATION

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INTRODUCTION

This equipment will store up-to six pounds of whole bean coffee in each of two hoppers and grind it to a preset grind and amount into an awaiting funnel and filter from most commercial drip coffee brewers. The equipment is only for indoor use on a sturdy counter or shelf. Adequate space must be available above the grinder to raise the lids when adding beans. Use only with whole bean coffee.

The grind is preset at the factory to **drip** specifications as set forth by the United States Department of Commerce and adopted by the Coffee Brewing Center of the Pan American Coffee Bureau. Adjustments may be made to alter both the amount and grind from the factory setting.

BUNN-O-MATIC COMMERCIAL PRODUCT WARRANTY

Bunn-O-Matic Corp. ("BUNN") warrants equipment manufactured by it as follows:

- 1) All equipment other than as specified below: 2 years parts and 1 year labor.
- 2) Electronic circuit and/or control boards: parts and labor for 3 years.
- 3) Compressors on refrigeration equipment: 5 years parts and 1 year labor.
- 4) Grinding burrs on coffee grinding equipment to grind coffee to meet original factory screen sieve analysis: parts and labor for 3 years or 30,000 pounds of coffee, whichever comes first.

These warranty periods run from the date of installation BUNN warrants that the equipment manufactured by it will be commercially free of defects in material and workmanship existing at the time of manufacture and appearing within the applicable warranty period. This warranty does not apply to any equipment, component or part that was not manufactured by BUNN or that, in BUNN's judgment, has been affected by misuse, neglect, alteration, improper installation or operation, improper maintenance or repair, damage or casualty. This warranty is conditioned on the Buyer 1) giving BUNN prompt notice of any claim to be made under this warranty by telephone at (217) 529-6601 or by writing to Post Office Box 3227, Springfield, Illinois 62708-3227; 2) if requested by BUNN, shipping the defective equipment prepaid to an authorized BUNN service location; and 3) receiving prior authorization from BUNN that the defective equipment is under warranty.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The agents, dealers or employees of BUNN are not authorized to make modifications to this warranty or to make additional warranties that are binding on BUNN. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.

If BUNN determines in its sole discretion that the equipment does not conform to the warranty, BUNN, at its exclusive option while the equipment is under warranty, shall either 1) provide at no charge replacement parts and/or labor (during the applicable parts and labor warranty periods specified above) to repair the defective components, provided that this repair is done by a BUNN Authorized Service Representative; or 2) shall replace the equipment or refund the purchase price for the equipment.

THE BUYER'S REMEDY AGAINST BUNN FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF THIS EQUIPMENT, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED, AT BUNN'S SOLE OPTION AS SPECIFIED HEREIN, TO REPAIR, REPLACEMENT OR REFUND.

In no event shall BUNN be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer's customers, cost of capital, cost of down time, cost of substitute equipment, facilities or services, or any other special, incidental or consequential damages.

USER NOTICES

Carefully read and follow all notices on the grinder and in this manual. They were written for your protection. All notices on the grinder are to be kept in good condition. Replace any unreadable or damaged labels.



Replacement part
#05876.0000



Replacement part
#20545.0000

ELECTRICAL REQUIREMENTS

This grinder has an attached cordset and requires 2-wire, grounded service rated 120 volts ac, 15 amp, single phase, 60 Hz.

OPERATING CONTROLS

Grind Pad (a)

Pressing  initiates a timed grind cycle.

Stop Pad (b)

Pressing  ends the operation of the grinder.

® PAD (c)

Pressing the ® pad allows programming access (see page 5).

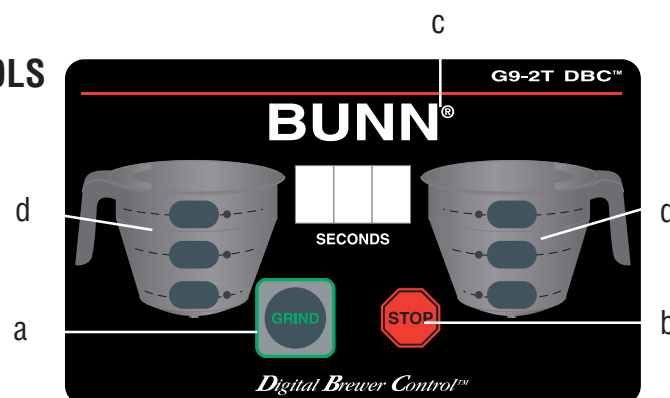
Hopper/Batch Selector Pads (d)

These pads are located on the funnel depictions on each side of the grinder with a total of 6 pads. Selecting one of these pads will select the amount of grind and side from which to grind.

Example: Selecting the lower pad on the left side will grind enough beans from the left side of the grinder to brew the amount programmed into grinder.

Control Board

The control board determines the amount of beans that will leave the hopper in a grind cycle. The timer portion can be adjusted to dispense a different amount from each hopper and each batch size. The scale is from 0.4 to 99.9 seconds. Refer to the Adjustments section for timer setting chart (page 6).




INITIAL SET-UP

1. Open the top lid. Clear all foreign objects and shipping material from the hopper compartment and the entrance to the grind chamber.
2. Plug in the grinder.
3. Fill the hopper compartments with whole bean coffee. (Capacity 6 pounds each). The grinder is now ready for use.

CLEANING

The use of a damp cloth rinsed in any mild, non-abrasive, liquid detergent is recommended for cleaning all surfaces on Bunn-O-Matic equipment. Care should be taken not to scratch the hopper or windows with any abrasive material. Regular cleaning will keep your grinder looking new for years.



COFFEE GRINDING

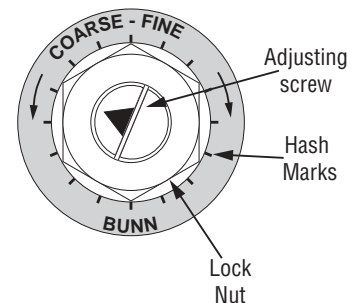
1. Visually inspect the selected hopper for an ample supply of whole bean coffee.
2. Place a paper filter into the brew funnel. The filter must not be folded-over or tilted to one side.
3. Insert the funnel into the funnel rails and push until it stops.
4. Choose the batch size and side of grinder to use.
5. Press . The grinding action will stop automatically after the preset amount of ground coffee is dispensed into the funnel.

ADJUSTMENTS

The grind can be set from very fine to very coarse. The amount may be adjusted for use in most commercial coffee brewers. The following procedures should be used to make adjustments. A change in the burr adjustment will also change the amount dispensed. Any adjustment of the burrs should be followed by an adjustment of the timer.

Burr Adjustment

1. Unplug the grinder and empty all beans from the hoppers.
2. Plug in the grinder, press and release  (with either hopper selected). Run a few grind cycles until all of the coffee in the grind chamber is used.
3. Remove the upper front inspection panel.
4. Loosen the locknut by one turn.
5. Press  and slowly turn the adjusting screw in a clockwise direction until a metallic whine is heard due to the rubbing of the grinding burrs. (It may be necessary to start more than one grind cycle to obtain this sound.)
6. Make a mark with a pen on the decal to note the position of the arrow on the grind adjustment screw.
7. The following settings approximately correspond to the CBC recognized grinds. All are referenced from the arrow position noted in #6.



P2321

FINE GRIND: Rotate the adjusting screw 7 hash marks in a counterclockwise direction.

DRIP GRIND: Rotate the adjusting screw 8 hash marks in a counterclockwise direction.

REGULAR (COARSE) GRIND: Rotate the adjusting screw 12 hash marks in a counterclockwise direction.






8. Hold the adjusting screw in its set position with a screwdriver while tightening the lock nut.

COMMUNICATING WITH COFFEE BREWER


When the grinder is used with its companion brewer, the name of the coffee and the size of the batch ground is communicated to the brewer through the chip in the funnel handle as it is placed into the brewer. Therefore, it is necessary to “tell” the grinder the names of the coffees that have been loaded into the hoppers. The names are chosen from the Coffee Chart shown below. Contact the factory if custom names that are not on the chart are required.

SELECTING COFFEE NAMES

Entering a coffee name from the chart below:

1. Simultaneously press and hold the  button and any one of the three batch buttons on the side to be programmed. After 3 seconds all three indicators on the side selected will begin flashing. The display will show a number from the coffee chart below. This number represents the name of the coffee that is to be loaded into the hopper.
2. Press and release  to increase the number or press and release  to decrease it.
3. When the correct number for the coffee being used is displayed, press any of the batch buttons on the other side. All three indicators on that side will begin flashing.
4. Repeat step 2 to enter the name for the coffee being used on this side.
5. To exit the setup mode, press and release the  button anytime during this procedure. The  button is a hidden programming pad located at the upper right corner of the BUNN® logo.






Entering a coffee name using a RECIPE CARD.

1. Press  button and place the chip portion of the card under the sensor coil on the front of the grinder.
2. After a short pause, the display will show 3 “dashes”.
3. Remove the card and press any batch switch on the side to be programmed.
4. The display should show the number of the coffee name loaded into the grinder.
5. The grinder display will then return to the normal operating mode.

NOTE: If a number is chosen from the chart below, and entered into the grinder, check to be sure the number entered represents the name of the coffee on the chart.

1. Grind into the funnel then insert the funnel into the brewer funnel rails.
2. The display will read the coffee name that was ground into the funnel.
3. If this name is different from the name on the chart, the grinder’s memory needs to be reset.

Resetting the grinder memory (to match the chart below)





1. Unplug grinder from the outlet.
2. Press in and hold both the  and  buttons and plug cordset into the outlet. After a short pause, the display will show a series of 3 dashes followed by a series of 9 dashes.
3. When the 9 dashes appear, release the  and  buttons, then press and release the  button.
4. The display will count down then return to the normal operating mode. The grinder should now be set to match the coffee names with the numbers on the chart below.

COFFEE CHART

NUMBER	NAME	NUMBER	NAME
1	Regular	15	Jamaica Blue Mtn
2	Decaf	16	Guatemalan
3	Colombian	17	Light Roast
4	Colombia Supremo	18	Dark Roast
5	Costa Rican	19	Espresso
6	Ethiopian	20	Amaretto
7	Kona	21	Hazelnut
8	Kenya AA	22	French Vanilla
9	Sumatran	23	Irish Creme
10	French Roast	24	Vanilla Nut
11	Italian Roast	25	Caramel
12	Mocha Java	26	Raspberry
13	House Blend	27	Almond
14	Breakfast Blend	28	Dark Mtn Roast

TIMER ADJUSTMENT (CONTROL BOARD)

Three different batch settings are selectable for each hopper. Each batch is independently adjustable by setting the length of time a slide gate opens to allow beans to drop into the grinding chamber. A second time setting for each batch determines how long the grind motor continues to run after the slide gate closes. This time is set long enough to insure that all the beans dropped into the grind chamber are ground and dispensed.

1. Determine the grind setting. (The factory setting is **drip**, to determine other settings, refer to the previous section.)
2. Use the table below to find approximate timer setting for the grind and amount of coffee desired.
3. To enter the setup mode and make an adjustment, press and hold the hidden programming pad under the ®. One of the batch indicators will begin to flash off and on. At this point, release the ® button.
4. Push the hopper/batch selector button for the batch to be adjusted. Note that the digital display shows the current slide gate time setting (in seconds).
5. To increase the time, press . To decrease, press .
6. To change the chamber clean-out time, press the same batch button again and note that the indicator light begins to blink more rapidly and the display shows the current clean-out time.
7. To increase the time, press . To decrease it, press .
8. After the cleanout time has been entered, press another batch pad and repeat steps 4 to 7. Otherwise, to exit the programming mode, press and release the ® pad and the grinder returns to the normal operating mode, using the new settings.

NOTE: While in the setup mode, if no buttons are pushed for 60 seconds, the grinder will return to normal operations, retaining any settings made while in the setup mode.

APPROXIMATE TIMER SETTINGS IN SECONDS

Weight (ounces)	Fine (7*)	Drip (8*)	Regular (12*)
1.5	0.5	0.5	0.5
1.75	0.7	0.6	0.6
2.0	1.0	0.8	0.8
2.25	1.4	1.4	1.2
2.5	1.9	1.8	1.6
2.75	2.4	2.2	2.0
3.0	2.9	2.7	2.5
3.25	3.3	3.1	2.9
4.0	4.8	4.4	4.0
6.0	8.6	7.9	7.5
8.0	12.0	11.5	10.9
10.0	15.7	15.1	14.1
12.0	19.6	18.5	17.5
14.0	23.5	22.0	20.9
16.0	27.0	25.3	24.3

*Hash mark settings. Refer to *Burr Adjustment* section.

SCHEMATIC WIRING DIAGRAM G9-2 with SMART FUNNEL™ (DBC)

