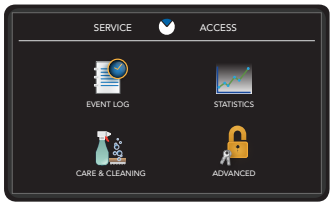
Infusion Series®

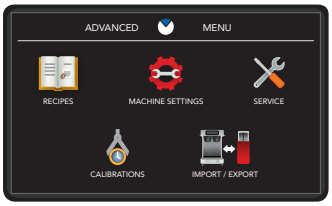
Soft Heat®, Platinum Edition

ICB, ICB Twin, ICB Twin Tall, ICB DV, ICB DV Tall











PROGRAMMING MANUAL

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BUNN-O-MATIC COMMERCIAL PRODUCT WARRANTY

Commercial Warranty

Warranty statements and information can be found on our website. Please visit commercial.bunn.com/support/warranty-lookup for further details.

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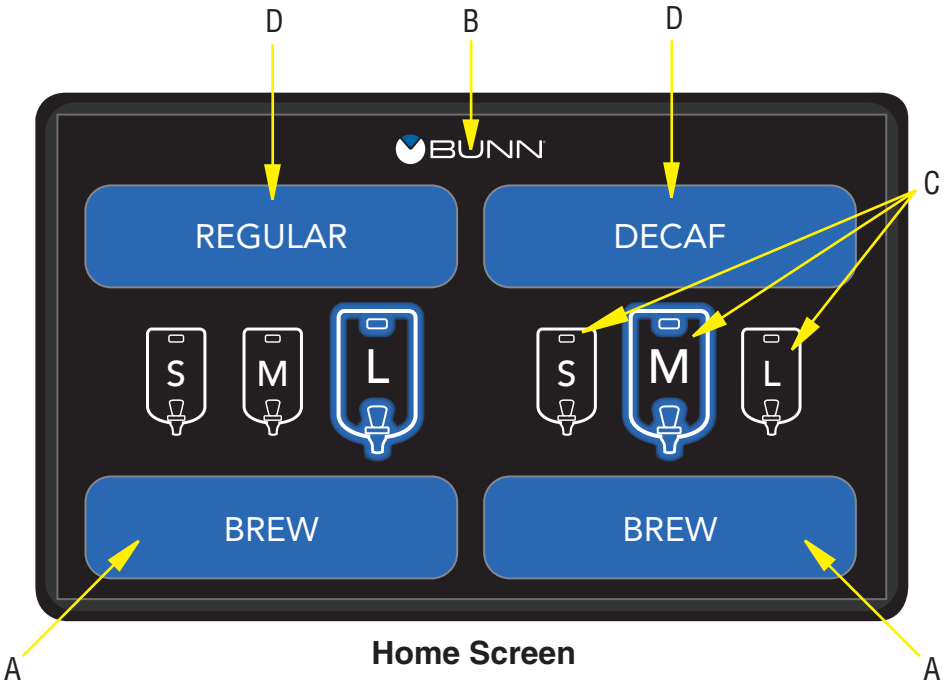
PROGRAMMING - ACCESSING

Using the menu-driven display on the front of the brewer, the operator has the ability to alter or modify various brewing parameters such as brew temperatures, brew volumes, bypass, pulse brew, pre-infusion, SmartWAVE, drip time and fresh time. The operator can customize the brewing process to their specifications, allowing for the precise brewing of various flavors of coffee.

OPERATING CONTROLS



Home Screen

A. BREW Left/Right

When the home screen is visible, select the BREW button to begin a brew cycle on the selected side.

B. PROGRAMMING

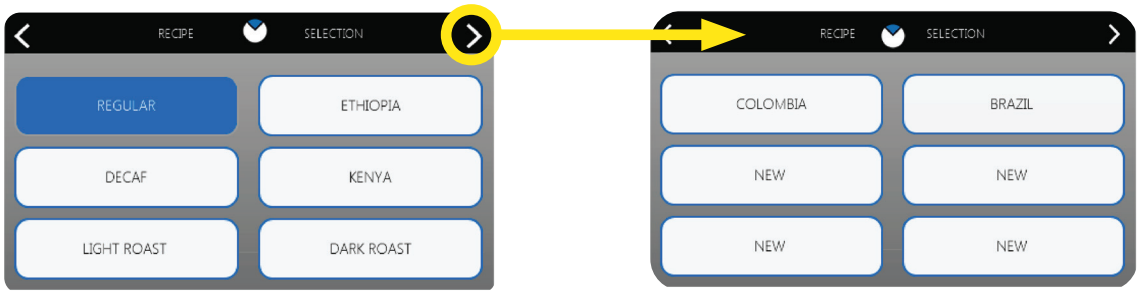
Touch the BUNN logo for 2 seconds to enter the programming.

C. BATCH SELECTOR SWITCHES

Selecting the icon corresponding to Small, Medium, and Large batch selects the amount of product to be brewed on the selected side. The highlighting of the icon indicates the selected batch to brew.

D. RECIPE LIBRARY

Select the button to choose between any of the saved recipes stored in the Recipe Library. Use the arrows at the top of the screen to scroll through the list of recipes available.



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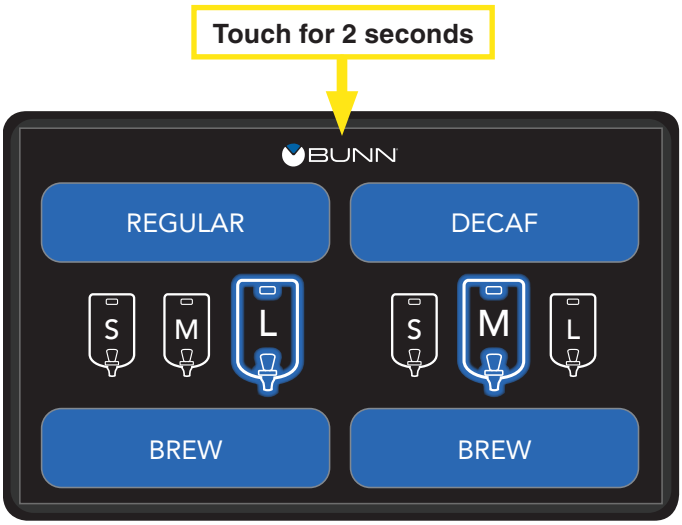
PROGRAMMING - ACCESSING

Always remember to place a container and funnel under the sprayhead when operating the brewer during the set-up of **CALIBRATE FLOW,** and testing the brew and bypass valves in **SERVICE TOOLS/TEST OUTPUTS.**

HOW TO ACCESS PROGRAMMING

To enter programming mode, the home screen must be present on the display. Touch the BUNN logo at the top of the display for 2 seconds. The SERVICE ACCESS screen will appear on the display.



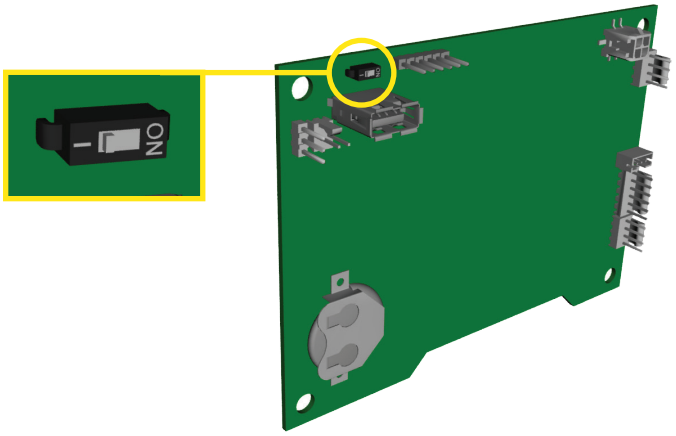
HOW TO EXIT PROGRAMMING

To exit the programming mode at any time, select the BUNN logo at the top of the display. The display will return to the home screen.

If there is no interaction with the touchscreen within a 5-minute period while in programming mode, the display will automatically return to the home screen.

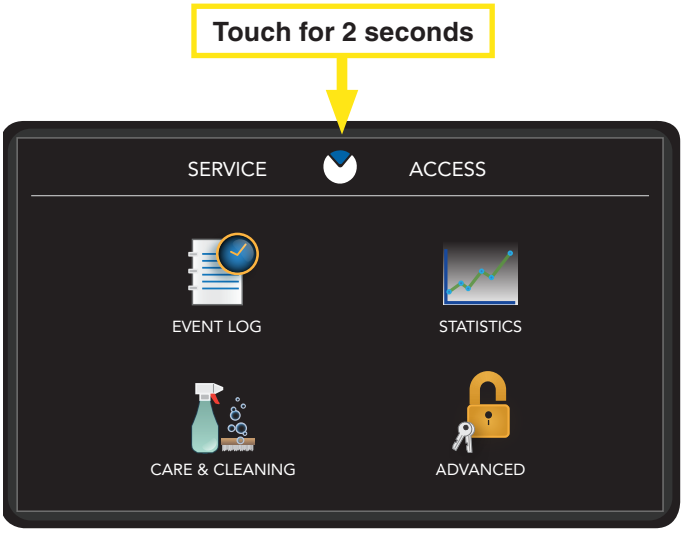
PROGRAMMING LOCKOUT

This switch is located on the graphics board located under the top panel of the brewer. The switch can be set to prevent access to the advanced programming settings of the brewer. Once all the correct brew settings are programmed, the operator can set the switch to the “ON” position to prohibit anyone from viewing and changing settings. The brewer must be powered down when setting the switch.



SERVICE ACCESS

To access this menu, touch the BUNN logo for 2 seconds with the home screen present. This is the first screen that will appear on the display when accessing programming mode. If Programming Lockout is enabled, the advanced icon will not appear until the feature is disabled. Select any icon to access the sub-menus.



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PROGRAMMING - ACCESSING

SERVICE ACCESS OPTIONS



EVENT HISTORY - Select this icon to view current cycles, lifetime cycles, and the length/number of times certain components are activated.



STATISTICS - Select this icon to view the amount of brew cycles per batch size. Twin models will show separate numbers for left and right brew cycles. The second sub-screen within Statistics will show model, display version and I/O version number.



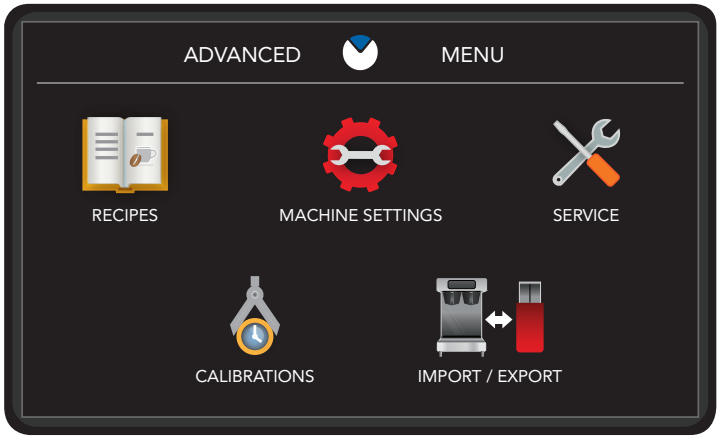
CARE & CLEANING - Select this icon to view cleaning instructions. The instructional content featured will have a picture with a short description of the action that should take place.



ADVANCED - Selecting this icon will display a password entry screen. By default, the password can be bypassed by selecting ENTER. By default, entering **7738** on this screen will allow permission for setting a password. Setting a password will prevent entry into the ADVANCED MENU.

ADVANCED MENU OPTIONS

To access this menu, select the ADVANCED icon while viewing the SERVICE ACCESS screen on the display. If Programming Lockout is enabled, this menu cannot be accessed until the feature is disabled. Select any icon to access the sub-menus.



ADVANCED MENU OPTIONS



RECIPES - Select this icon to disable, enable, add or modifying recipes.



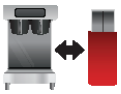
MACHINE SETTINGS - Select this icon to adjust global settings on the brewer.



SERVICE - Select this icon to access high level diagnostic functions and service information.



CALIBRATIONS - Select this icon to perform necessary adjustments to ensure accurate brewing.



IMPORT/EXPORT - Select this icon to import/export screen graphics or recipes.

Recipe Settings

By default, recipe settings are preset from the factory. The operator has the choice of enabling, disabling and modifying any recipe setting.



HOW TO ACCESS RECIPE SETTINGS

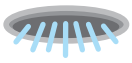
1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the RECIPES icon.
5. The RECIPE EDIT screen will appear on the display. If necessary, use the scroll arrow at the top of the screen to navigate to the desired recipe name to edit. Select the recipe name.
6. Enable the batch size you wish to modify by selecting the white check box. If the batch size is already enabled as indicated by the green check mark, proceed to the next step.
7. Select the batch icon next to the size you wish to modify (small, medium and large).
8. The screen that will appear has a menu of icons that represent settings you can enable, disable or modify.



VOLUME - This icon allows for volume adjustments. Each batch size, small, medium, and large will have adjustable brew volume ranges to choose from. Pressing SAVE after the number has been entered will confirm the change and exit back out to the recipe parameter screen.



BYPASS - This icon adjusts the bypass as a percentage of the total brew volume. This means the set percentage will bypass the coffee grounds through the funnel to the server. If bypass is used in a recipe, it will only turn on after 30 seconds of sprayhead time. The operator will press SAVE to confirm their entry, which will exit them back to the recipe parameter screen.



PRE-INFUSE - Pre-Infusion is defined as two parts; the first initial wetting of the coffee grounds and the first initial "OFF" period before the rest of the brew cycle begins. The operator will have the ability to brew with just pre-infusion only, if they prefer to do so. The operator must enable the feature by selecting the check box. To set an "ON" time, the operator can select the text field. This will prompt the numeric keypad to enter the desired time. To confirm a change, the operator must press the SAVE button. The batch size icon in the upper right hand corner of the screen will allow the operator to cycle between batch sizes. If the operator switches to a different batch size, those parameters must be updated in the fields. Disabling the feature will gray out the white text fields. The operator will not be able to adjust this setting unless the feature is enabled.

PROGRAMMING - Recipes



PULSE BREW - Pre-infusion and bypass settings will be taken into account if set already. The operator will use the text fields to enter times. When entering the sprayhead on time, the ounces or milliliters (depends on units set on the machine) being dispersed for that amount of time will display. The quantity of water dispersed will be larger the longer the time is on. If the time is decreased, the volume should lower as well. The volume displayed will be gathered from an average of both the left and right sprayhead calibration settings. When setting the pause time, the operator is choosing how long to turn the sprayhead off; this is not an accumulated time. This time is the length that the sprayhead will turn off during the pulse routine then turn back on. Both on and off times will have limits the operator is able to set depending on the parameters of the recipe. When configuring the routine, the total brew time will change to be shorter or longer depending on the routine settings. Longer pause times extend total brew time in most cases. The Auto calculate button will automatically set a routine based on the parameters for the recipe. Save will confirm and save the settings for that recipes batch size. The batch size icon will cycle through the other enabled sizes to allow the operator to set the pulse brew for a different size batch from this screen.

EASY PULSE BREW - An Easy Pulse Brew is a set routine of 7 pulses that has been calculated by parameters the operator has set. The operator must specify the batch volume, percentage of bypass, pre-infusion time, and drip time. The pulse off time is calculated off a 60 second additional Brew time for the 6 off pulses between the 7 on pulses. Off time = 10 sec / pulse = 60 sec / 6 pulses

MANUAL PULSE BREW - If a operator would like to adjust the brewing time which they have been given in Auto pulse, they can change or make adjustments to the remaining on/off times. Doing this can extend or shorten the brew time originally calculated for the Auto Pulse brew thus the operator is now going to control what on and off times the brewer will use to make a pulse routine.



SmartWAVE® - This is a brewing feature that alters the trajectory of water coming out of the sprayhead in order to enhance uniformity of extraction. This is accomplished by activating the air pump during the sprayhead on times only. When the sprayhead valve is on, the air pump will activate and blow a pulse of air which will widen the pattern of water that hits the bed of coffee. The operator will be able to set the SmartWAVE from 1-14. The plus/minus buttons will increment and decrement by 1. Each number represents the air pump turning on twice during that brew cycle. 1 (2) - 14 (28). There will always be a blowout period of 5 seconds at the end of the brew. This will evacuate water in the sprayhead to help avoid lime build up.



DRIP TIME - Drip time is the time allotted to allow for any excess coffee to drip from the funnel after a brew has been completed. The operator will be able to add up to 5 minutes worth of time. If no time is added the brew will complete and funnel locks will raise.



FRESHNESS - This time is used to help control beverage quality. An alert will pop-up full screen and state that the recipe has expired. Once acknowledged, the operator can brew as normal.



RECIPE REVIEW - Selecting this icon will give the operator another method of setting a recipe. This method uses a table layout that shows the parameters and the values that are set. Selecting the white area will take the operator directly to the edit page for that parameter. The operator can change the value, SAVE, and exit back to the recipe review screen.

PROGRAMMING - Recipes

RENAMING A RECIPE

There are 5 pages containing 6 recipe names (30 total). By default, recipe names are preset from the factory. The operator has the choice of renaming any recipe.

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the RECIPE icon.
5. The RECIPE EDIT screen will appear on the display. If necessary, use the scroll arrow at the top of the screen to navigate to the desired recipe name to edit. Select the recipe name.

   NOTE: Blue-filled buttons represent recipes with enabled batch sizes; these recipes will appear in the recipe selection list from the home screen. Grey-filled buttons represent recipes with all batch sizes disabled; these recipe names will not appear in the recipe selection list from the home screen until a batch size is enabled.

6. Select the white rectangle that contains the current name for the recipe.
7. Use the touchscreen to enter a new recipe name. Select ENTER when finished.
8. Select SAVE to store the new recipe name in programming.

ENABLING/DISABLING BATCH SIZES

The operator has the option to setup a recipe to include up to 3 batch sizes. Disabling all batch sizes for any given recipe will remove it from the recipe selection list at the home screen.

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the RECIPE icon.
5. The RECIPE EDIT screen will appear on the display. If necessary, use the scroll arrow at the top of the screen to navigate to the desired recipe name to edit. Select the recipe name.
6. Select the desired batch sizes to be offered with the recipe by selecting the white check box next to each batch size icon. Enabling the batch size without editing the batch recipe settings will automatically set recipe parameters to default settings (volume, bypass, pre-infusion, etc).
7. Select SAVE to keep the changes made to the recipe.

RECIPE REVIEW

Recipe review is a feature that allows the user to quickly view and modify recipe settings. This method will provide a table layout that shows the parameters and the values that are set for the recipe in review.

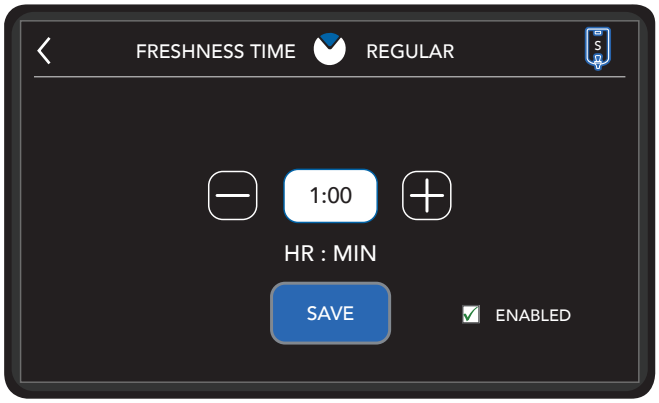
NOTE: You can toggle between enabled batch sizes by selecting the batch size icon on the top-right corner of the screen.

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the RECIPE icon.
5. The RECIPE EDIT screen will appear on the display. If necessary, use the scroll arrow at the top of the screen to navigate to the desired recipe name to edit. Select the recipe name.
6. Select any Enabled batch size to review recipes.
7. Select the RECIPE REVIEW icon.
8. Within Recipe Review, you will see a table layout containing recipe settings. Use the scroll arrow at the top of the screen to navigate through the pages. You can edit each setting by selecting the corresponding white text area and entering a new value before saving the changes.

Freshness Time

This feature is used to help control beverage quality. An alert with a pop-up message that will state the recipe has expired. The operator will have the ability to press OK to acknowledge the reminder event. Once acknowledged, the operator can brew as normal.

HOW TO MODIFY FRESHNESS TIME



1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the RECIPE icon.
5. The RECIPE EDIT screen will appear on the display. If necessary, use the scroll arrow at the top of the screen to navigate to the desired recipe name to edit. Select the recipe name.
6. Select the batch icon next to the size you wish to modify (small, medium and large).
7. The screen that will appear has a menu of icons that represent settings you can enable, disable or modify. Select the FRESHNESS TIME icon. Note: this is not a global setting and will need to be enabled and adjusted for each batch size within a recipe if the feature is desired.
8. To enable the feature, ensure there is a green check mark next to ENABLED. Use the + and - buttons to adjust the time in the white text area. Select SAVE when finished.

HOW TO TRANSFER RECIPES

The ability to transfer recipes from brewer to brewer is supported for Platinum Series Brewers. When choosing a USB device for transferring and loading files, ensure to follow the proper USB formats.

1. Insert the USB device into the external US port on the right-side of the hood.
2. Ensure the brewer is plugged into a power source and powered On.
3. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
4. Select the ADVANCED icon.
5. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
6. In the ADVANCED MENU screen, select the IMPORT/EXPORT icon.
7. Select EXPORT. The Export Menu will appear on the display.
8. Select the RECIPES icon.
9. Select YES. All recipes will be exported to the USB device.
10. Remove the USB device from the USB port and insert the USB device into a compatible Platinum Series Brewer.
11. Repeat steps 2-6.
12. Select IMPORT. The import menu will appear on the display.
13. Select the RECIPES icon.
14. Select YES to import all recipes. Allow time for the import to finish.
15. Touch the BUNN logo at the top of the display to return to the home screen. Remove the USB device and review the recipes for verification.

DEFAULT RECIPE PARAMETERS

(Regular, Decaf, Brazil, Colombia, Costa Rica, Ethiopia, Guatemala, Kenya, Peru, Sumatra)

Recipe Setting	Small Batch	Medium Batch (Disabled by Default)	Large Batch
Volume	64.0 OZ / 1.9 L	128 OZ / 3.8 L	192.0 OZ / 5.6 L
Bypass	0%	20%	25%
Pre-Infusion	Disabled	Disabled	Disabled
Pulse Brew	Disabled	Disabled	Disabled
SmartWAVE	4	4	4
SmartWAVE Enabled	NO	NO	NO
Drip Time	1:00 (Min:Sec)	1:30 (Min:Sec)	2:00 (Min:Sec)
Freshness Time	1:00 (Hr:Min)	1:00 (Hr:Min)	1:00 (Hr:Min)
Total Brew Time	2:36 (Min:Sec)	4:03 (Min:Sec)	5:36 (Min:Sec)
SH TEMPERATURE	185°F	185°F	185°F

COLD BREW COFFEE Default Recipe Parameters

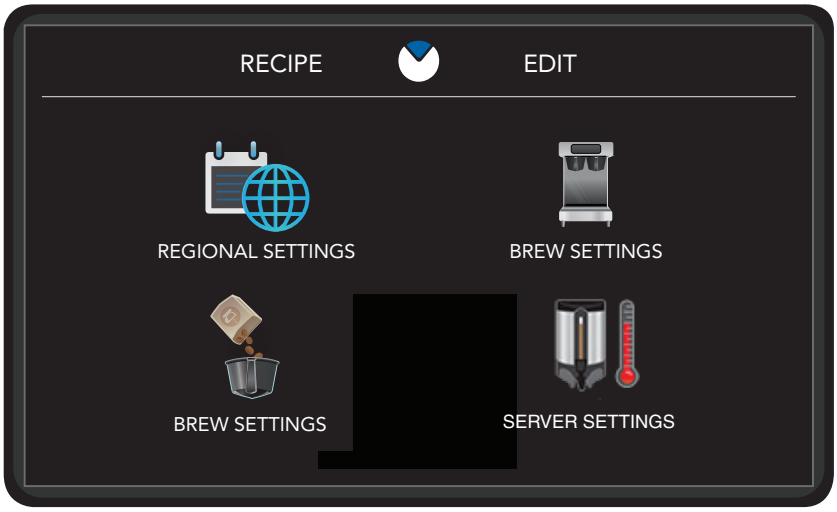
Platinum 1.5 Gallon		Cold Concentrate			Cold Brew RTD		
Parameter	Unit	Small	Medium	Large	Small	Medium	Large
Recipe Name		Cold Concentrate			Cold Brew RTD		
Recipe Type		Coffee			Coffee		
Recipe Version							
Funnel Number		46			47		
Enabled	y/n	Y	Y	Y	Y	Y	Y
Volume	oz	80	128	192	80	128	192
Bypass Ratio	Percent	0	20	25	0	20	25
Pre Infusion Enabled	y/n	Y	Y	Y	Y	Y	Y
Pre Infusion On Time	seconds	55	55	55	55	55	55
Pre Infusion Off Time	seconds	60	60	60	60	60	60
Pulse Brew Enabled	y/n	Y	Y	Y	Y	Y	Y
Pulse Brew On Time	seconds	5	5	5	5	5	5
Pulse Brew Off Time	seconds	20	20	20	20	20	20
Smart Wave Enabled	y/n	Y	Y	Y	Y	Y	Y
Smart Wave Number	number	7	7	7	7	7	7
Drip Time	mm:ss	1:00	1:30	2:00	1:00	1:30	2:00
Soft Heat Temperature	Degrees						
Freshness Time Enabled	y/n	Y	Y	Y	Y	Y	Y
Freshness Time	hh:mm	1:00	1:00	1:00	1:00	1:00	1:00
Recipe Temperature	Degrees	110	110	110	110	110	110
Dilution Delay	mm:ss						
Dilution Volume	oz						
Sweetener On Time							
Sweetener Off Time							
Sweetener Number							
Sweetener Enabled							
Sweetener Volume							

MACHINE SETTINGS

Selecting Brew Settings will take the user directly to the Set Temperature screen. This screen allows the setting of the temperature that the tank attempts to heat to and maintain, and at what threshold the system allows brewing to occur (if brew lockout is on). The tank set temp is the set point that the heater tries to control to, and the ready temperature is how much below the set temp that the system allows brews to occur, depending on whether or not the brew lockout (also known as temperature lockout) feature is active.

HOW TO ACCESS MACHINE SETTINGS

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. There will be a menu of icons that represent settings you can enable, disable or modify.





REGIONAL SETTINGS - Regional settings will allow the user to change the language, time & date, units, and password for the brewer. Selecting each button will navigate the user to that respective category. The BUNN programming button will navigate the user to the home screen.



B**REWER SETTINGS** - Machine settings allows the operator to make changes to energy saver, funnel detect, and screen saver. The green check mark means the feature is enabled. Pressing the button again will disable that feature and the check mark will go away to leave just an empty white box. Once enabled if the feature has settings that must be set, the user will be taken directly to the set up screens.



BREW SETTINGS - Users can press the temp set temperature number to go to a keypad entry screen to change the value. The ready temperature will work similarly, but can only be accessed if brew lockout is enabled. If brew lockout is disabled, then the ready temperature is grayed out and the button will become inactive. Selecting the brew lockout check box will alternate states between enabled and disabled. If the ready temperature is active, it allows a value to be entered in a range of 2 to 20 degrees below the tank set temperature.



Server Settings - This menu will have settings related to the servers. Server preheat, auto off, server detect, and smart server will all be available to enable or disable from this screen. When the buttons have a green check mark next to the text that feature is enabled. If there is just a white box with no check the feature is disabled. Select the buttons toggles the features on or off.

PROGRAMMING - MACHINE SETTINGS

DEFAULT MACHINE SETTINGS

Setting	Options	Defaults
Language	**English / French / Spanish**	**English**
Time / Format	**12 hrs / 24 hrs - 6 formats**	**12 hrs, MM-DD-YYYY**
Units	**English / Metric**	**English**
Tank Set	**185 - 205˚F**	**200˚**
Ready Temp	**180 - 203˚F**	**195 - 200˚F**
Energy Saver	**Enabled / Disabled**	**Disabled**
Screen Saver	**Enabled / Disabled**	**Disabled**
Sprayhead Flowrate	**10 - 200 oz / Min**	**39 oz / Min**
Bypass Flowrate	**10 - 200 oz / Min**	**41 oz / Min**
Server Preheat	**Enabled / Disabled**	**Enabled**
Server Detect	**Enabled / Disabled**	**Enabled**
Smart Server	**Enabled / Disabled**	**Disabled**
Auto-Off	**Hrs/Min**	**0:00**

HOW TO TRANSFER MACHINE SETTINGS

The ability to transfer machine settings from brewer to brewer is supported for Platinum Series Brewers. When choosing a USB device for transferring and loading files, ensure to follow the proper USB formats.

1. Insert the USB device into the external US port on the right-side of the hood.
2. Ensure the brewer is plugged into a power source and powered On.
3. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
4. Select the ADVANCED icon.
5. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
6. In the ADVANCED MENU screen, select the IMPORT/EXPORT icon.
7. Select EXPORT. The Export Menu will appear on the display.
8. Select the MACHINE SETTINGS icon.
9. Select YES. The machine settings will be exported to the USB device.
10. Remove the USB device from the USB port and insert the USB device into a compatible Platinum Series Brewer.
11. Repeat steps 2-6.
12. Select IMPORT. The import menu will appear on the display.
13. Select the MACHINE SETTINGS icon.
14. Select YES to import machine settings. Allow time for the import to finish.
15. Touch the BUNN logo at the top of the display to return to the home screen. Remove the USB device and review the machine settings for verification.

REGIONAL SETTINGS

Accessed from MACHINE SETTINGS, there are several settings shown within the Regional Settings option.

How To Access Regional Settings

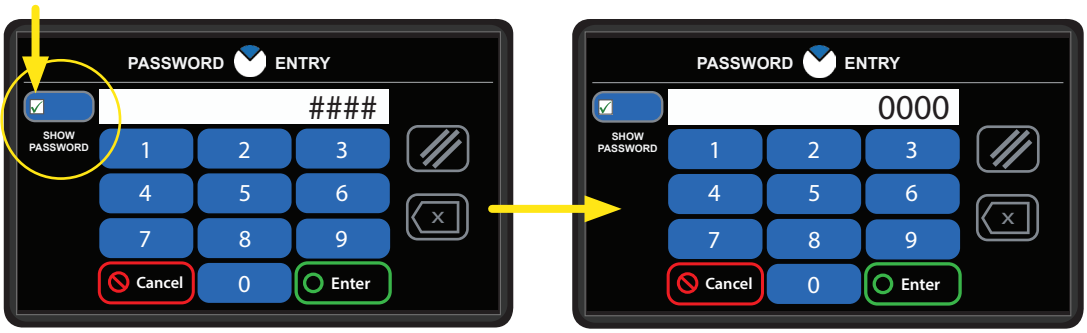


1. Touch the BUNN logo for 3 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select REGIONAL SETTINGS.



Password Entry

The default password (0000) can be changed in REGIONAL SETTINGS. To prevent an override for this password, refer to the “Programming Lockout Switch” to enable.



By selecting the "SHOW PASSWORD" check box, the entered password is revealed on the screen.



– Selecting “Enter” will attempt to advance the user to the ADVANCED MENU.



– Selecting “Cancel” will back the user out of the PASSWORD ENTRY screen.


– Selecting “Clear All” will remove all digits entered on the screen.


– Selecting “Clear” will remove the latter digit entered on the screen.

Passwords:

0000 - Default password that will gain access to the ADVANCED MENU unless reset.

3366 - DEMO mode

7738 - Override for SERVICE SCREEN password change

5020 - Override for IMPORT/EXPORT password change

SETTING A PASSWORD (ADVANCED)



The default password for accessing the ADVANCED MENU can be reset in Regional Settings when using the password "7738" at the Password Entry screen.

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, enter the numbers: 7738.
4. Select ENTER.
5. At the ADVANCED MENU screen, select the REGIONAL SETTINGS icon.
6. Within REGIONAL SETTINGS, select PASSWORD.
7. Select the ADVANCED icon.
8. Enter "7738" into the first password text area on the screen. After the password is entered, the system will notify the user if the password for resetting is accepted. If "INVALID" is shown on the screen, ensure you entered the "7738" password when accessing the ADVANCED MENU and repeat this steps 5 through 7.
9. Proceed to enter the "NEW PASSWORD" by selecting the second text area on the screen. A numeric pad will appear; enter the new password and select ENTER when finished.
10. Confirm the new password by selecting the third text area and entering the same digits that

SETTING A PASSWORD (IMPORT/EXPORT)



The default password for importing and exporting files can be reset in Regional Settings.

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER
4. At the ADVANCED MENU screen, select the REGIONAL SETTINGS icon.
5. Within REGIONAL SETTINGS, select PASSWORD.
6. Select the IMPORT/EXPORT icon.
7. Proceed to enter the "NEW PASSWORD" by selecting the text area on the screen. If a password was previously set for IMPORT/EXPORT, you will need to enter the current password first. A numeric pad will appear; enter the new password and select ENTER when finished.
8. Confirm the new password by entering the same digits that were entered in Step 7 on the Numeric pad.
9. When finished, select "SAVE".

SCREENSAVER

A screensaver will appear after a period of inactivity with the touchscreen display. This feature is disabled by default. The ability to load custom screen saver graphics is supported and the brewer comes with a set of BUNN graphics loaded in the software.

HOW TO SET A DEFAULT SCREENSAVER

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.
6. Select SCREENSAVER.
7. Check the box next to BUNN DISABLED, the wording should then change to BUNN ENABLED.
8. Select the text area and input the amount of time before the screensaver appears on the numeric touchpad. The time entered on this screen must fall between 5 min - 24 min.

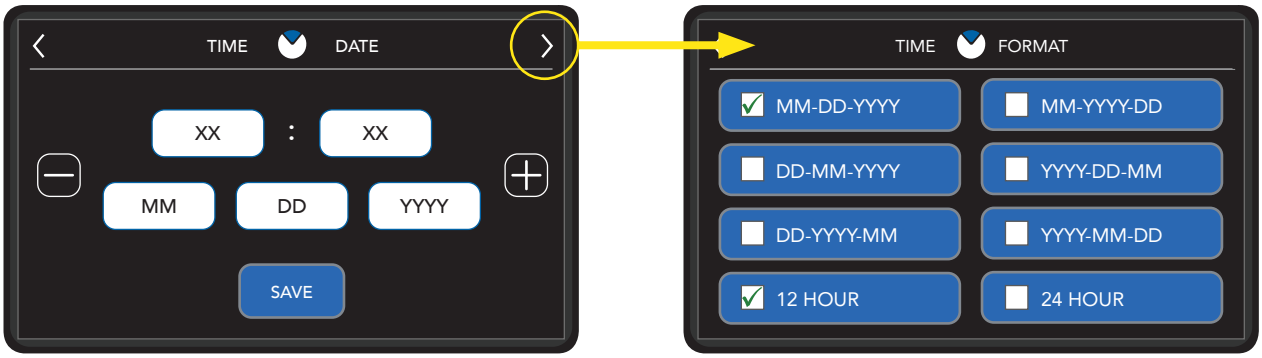
PROGRAMMING - REGIONAL SETINGS

TIME AND DATE

The software has the ability to keep track of date and time. To set the time and date the user must select time & date from the regional settings menu and also choose between 6 different display formats for Day/Month/Year.

How to Adjust TIME AND DATE

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen.
4. In the Advanced Menu screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.
6. Select TIME & DATE.
7. Use the scroll arrow to navigate to TIME FORMAT. Choose the desired format for displaying Time and Date.
8. Use the scroll arrow to navigate back to TIME & DATE. Select each white text area and input the current information as it relates to time and date.
9. Select SAVE when finished.

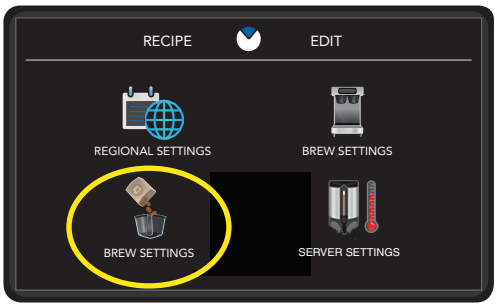


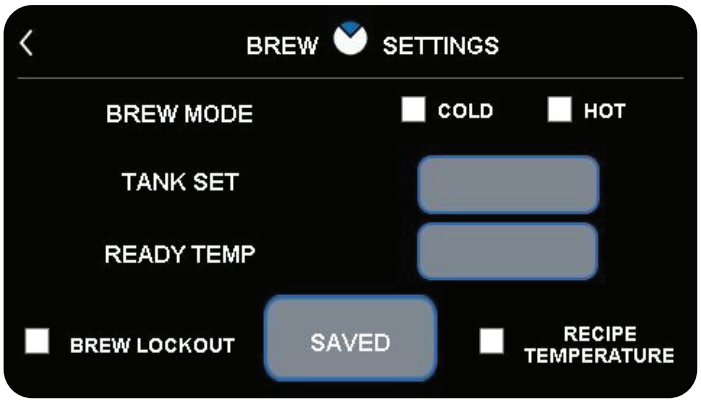
BREW SETTINGS

Accessed from MACHINE SETTINGS, there are several adjustable settings shown within the Brew Settings option.

How To Access Brew Settings

1. Touch the BUNN logo for 3 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREW SETTINGS.



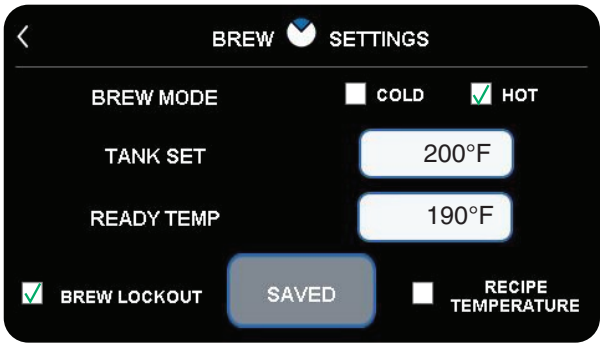


Default Screen for Brew Settings

Brew Mode

This is a feature that allows the user to change modes between HOT and COLD.

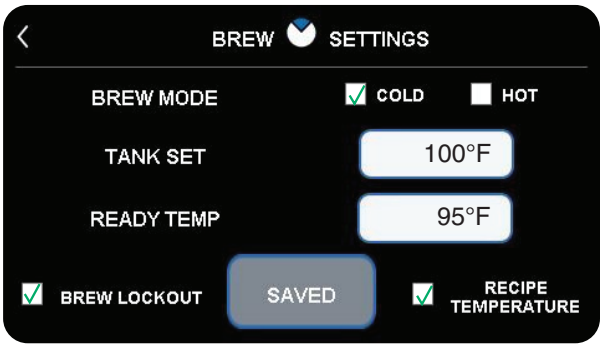
HOT Brew Mode enables the operator to craft and dispense ready-to-drink hot brewed coffee quickly and consistently. When enabled, HOT Brew Mode uses a range of high temperatures (140°F-207°F) and will populate the recipe menu with default hot brewed coffee recipes.



Brew Settings with Options Selected for Hot Brew Mode

COLD Brew Mode enables operators to craft a batch of concentrate or ready-to-drink cold brew quickly and consistently. When enabled, COLD Brew Mode uses a range from high or ambient temperatures (100°F-120F°) and will populate the recipe menu with default cold brew recipes.

NOTE: A tank purge will begin when changing from HOT Brew to COLD Brew Mode.



Brew Settings with Option Selected for Cold Brew Mode

PROGRAMMING - BREW SETTINGS

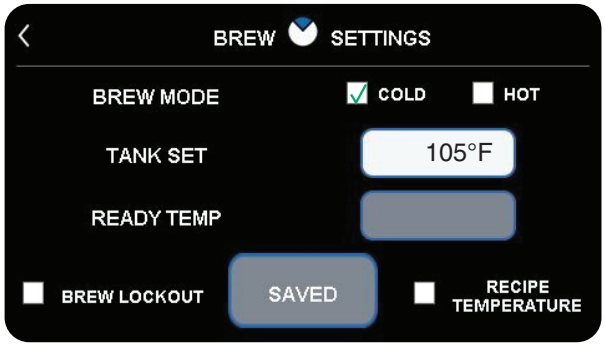
Tank Set Temperature and Ready Temperature

The user has the ability to choose between TANK SET Temperature and READY TEMP when deciding the target temperature for water to reach before a brew cycle can occur.

The TANK SET is a temperature setting for water inside the tank. The value entered and saved will be used as the default temperature for brewing coffee. Minimum and maximum temperature ranges are dependant on selected Brew Mode.

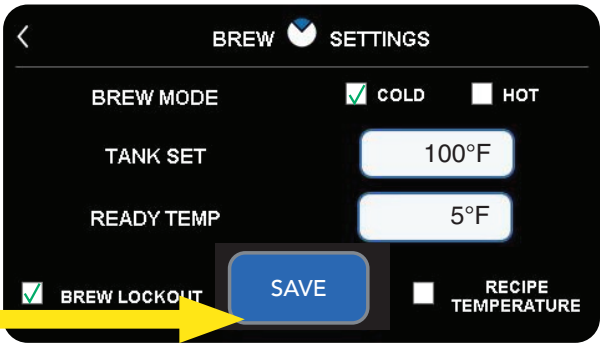
The READY TEMP is the lowest temperature required for the water inside the tank before the machine can brew coffee. This option is only available when BREW LOCKOUT is enabled.

How to Modify Tank Set & Ready Temperature



1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. Select the BREW SETTINGS icon.
6. With the BREW SETTINGS screen present, the TANK SET and READY TEMP can be adjusted by selecting the white box next to TANK SET.

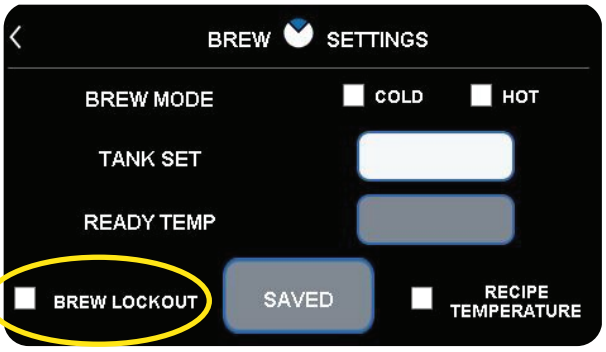
   NOTE: The READY TEMP is only available if BREW LOCKOUT is enabled, as indicated with a green check mark. To enable BREW LOCKOUT, ensure RECIPE TEMPERATURE is disabled as indicated with an empty white box next to the option.
7. Select either text box next to TANK SET or READY TEMP and use the numeric keypad to enter a value.
8. Select SAVE after values have been entered.



Brew Lockout

If BREW LOCKOUT is enabled, the machine will not allow coffee to be brewed until the water inside the tank reaches a minimum temperture specified within the READY TEMP. If BREW LOCKOUT is disabled, the READY TEMPERATURE is greyed out and the button will become inactive.

How to Enable Brew Lockout



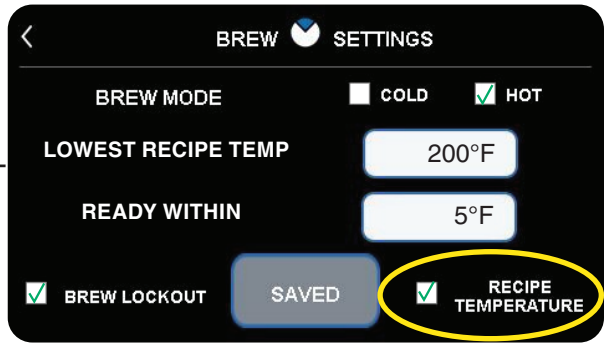
1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. Select the BREW SETTINGS icon.
6. With the Temperature screen present, locate the BREW LOCKOUT feature on the bottom-left of the screen. Select the white text area so that a green check mark appears.
7. Select the white text area across from READY TEMP. Enter the desired READY TEMP on the numeric pad.
   NOTE: Ready temperature will allow brewing to occur when the tank temperature reaches that value.
8. Select SAVE.

PROGRAMMING - BREW SETTINGS

Recipe Temperature

This feature allows the user to individually set target brewing temperatures for each recipe. Recipe Temperature must be enabled before the option appears in RECIPE EDIT.

How To Enable RECIPE TEMPERATURE



1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. Select the BREW SETTINGS icon.
6. With the Temperature screen present, the RECIPE TEMPERATURE option can be toggled by selecting the white box next to RECIPE TEMPERATURE. To enable RECIPE TEMPERATURE, ensure there's a green check mark within the white box next to the option.
7. If BREW LOCKOUT is enabled, ensure the "READY WITHIN" Temperature is set (5ºF is the default).

   Note: You will now see the RECIPE TEMPERATURE icon within the RECIPE EDIT screens for every recipe. Before leaving the RECIPE TEMPERATURE screen, ensure the "READY WITHIN" Temperature is set (5ºF is the default) only when BREW LOCKOUT is enabled.

   NOTE: You may notice that the TANK SET is now called LOWEST RECIPE TEMP and the READY TEMP is called READY WITHIN.
8. Select the LOWEST RECIPE TEMP setting and adjust the value to the lowest recipe temperature required for brewing. The water tank will be heat the water and mainain it at that temperature.
9. Select the READY WITHIN setting and adjust the value to the closest degree away from the LOWEST RECIPE TEMP that a brew cycle can be initiated.
10. Select SAVE.

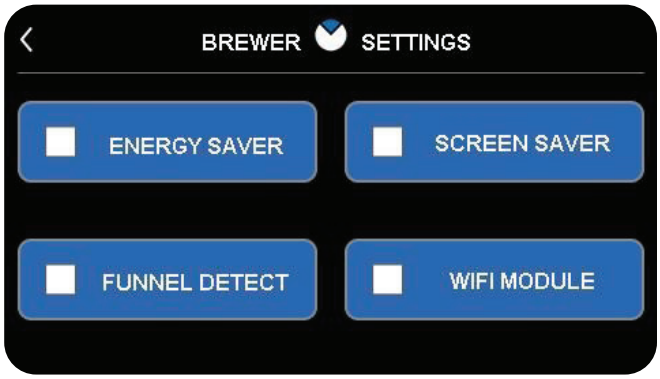
PROGRAMMING - BREWER SETTINGS

BREWER SETTINGS

Accessed from MACHINE SETTINGS, there are several adjustable settings shown within the Brewer Settings option.

HOW TO ACCESS BREWER SETTINGS

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.



Screensaver

A screensaver will appear after a period of inactivity with the touchscreen display. This feature is disabled by default. The ability to load custom screen saver graphics is supported and the brewer comes with a set of BUNN graphics loaded in the software.

HOW TO SET A DEFAULT SCREENSAVER

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the Advanced Menu screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.
6. Select SCREENSAVER.
7. Check the box next to BUNN DISABLED, the wording should then change to BUNN ENABLED.
8. Select the text area and input the amount of time before the screensaver appears on the numeric touchpad. The time entered on this screen must fall between 5 min - 24 min. By default, the screensaver is set to 15 min. When enabled, the system will cycle through a series of BUNN graphics after the set amount of time for the screensaver to appear.

How To Set A Custom Screensaver

Custom screensaver graphic(s) must be loaded into the software before it can be set as a screen-saver. When choosing a USB device for transferring and loading files, ensure to follow the proper formats and review size restrictions.

Supported Graphic Type: .Jpg
Maximum Number of Images Supported: 10
Recommended Graphic Dimensions: 480 x 272 resolution
Supported USB Formats: exfat, fat32

First Steps: Import Custom Graphics into the Brewer's Software

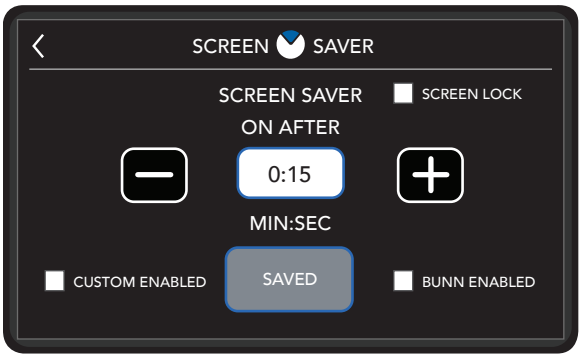
1. Load a USB device with custom screensaver graphics and eject the device from the computer when the file transfer is complete.
2. Insert the USB device into the external US port on the right-side of the hood.
3. Ensure the brewer is plugged into a power source and powered On.

HOW TO SET A DEFAULT SCREENSAVER (continued)

4. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
5. Select the ADVANCED icon.
6. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
7. In the ADVANCED MENU screen, select the IMPORT/EXPORT icon.
8. Select IMPORT. The Import Menu will appear on the display.
9. Select the GRAPHICS icon. If the icon is greyed out on the display, remove and reinsert the USB
   device into the USB port. If the graphic remains grey-out, ensure to follow the proper formats and
   review size restrictions.
10. Select YES to import graphics. Allow time for the import to complete.
11. Touch the BUNN logo at the top of the display to return to the home screen.

Next Steps: Setting the Custom Graphic as Screensaver

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.



6. Select SCREENSAVER.
7. Check the box next to CUSTOM DISABLED, the wording should then change to CUSTOM ENABLED.
8. Select the text area and input the amount of time before the screensaver appears on the numeric touchpad. The time entered on this screen must fall between 5 min - 24 min. By default, the screensaver is set to 15 min. When enabled, the custom graphic(s) will appear after the set amount of time.

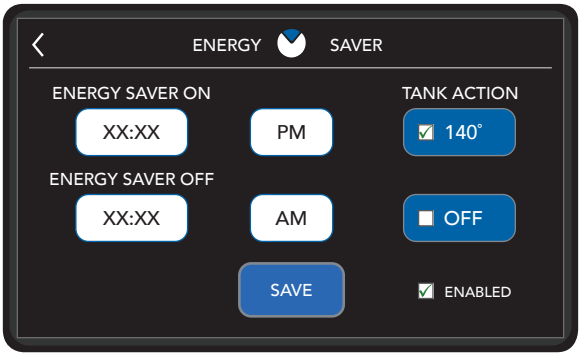
   NOTE: The “CUSTOM ENABLED” feature is only available if graphics have been imported to the machine.

Energy Saver

When enabled, this setting will lower the tank temperature with 12 and 24 hour formats to save on energy consumption during idle periods. If energy saver has been enabled, the brew button(s) on the homes screen will display ENERGY SAVER and be greyed-out. If a brew button is selected and brew lockout is disabled, the machine will exit energy saver and begin to brew. If brew lockout is enabled and the energy save button is pressed, the machine will exit the feature and begin to heat water to brewing temperature. After energy saver has been exited, the machine will not enter this mode until the next scheduled time.

How to Adjust Energy Saver

1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select BREWER SETTINGS.
6. Select ENERGY SAVER.
7. Within the ENERGY SAVER screen, select the DISABLED check box if the feature is not ENABLED.



8. Below TANK ACTION, choose between shutting off the tank heater completely or reducing the water temperature to 140 degrees Fahrenheit.
9. Below ENERGY SAVER ON, select the white text area. Enter the time desired on the numeric touch pad. This will be the time when the Energy Saver feature becomes active.
10. Below ENERGY SAVER OFF, select the white text area. Enter the time desired on the numeric touch pad. This will be the time when the Energy Saver feature becomes inactive and tank temperature will return to normal operation (ready temperature for brewing).

PROGRAMMING - CALIBRATION

HOW TO CALIBRATE SPRAYHEAD FLOW RATE

This function allows the operator to test and enter the actual flow rate of water coming out of the sprayhead(s). The procedure includes a 1-minute dispense of water to determine the actual flow rate. Ensure that the brewer is heated to brewing temperature before performing a sprayhead calibration.

1. Place a container, accurately graduated with a minimum capacity of 60 ounces, under the funnel.
2. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
3. Select the ADVANCED icon.
4. At the PASSWORD ENTRY screen, select ENTER. (If a password is required, enter the code at this screen).
5. At the ADVANCED MENU screen, select the CALIBRATION icon.
6. For Single ICB models, there is only 1 sprayhead to calibrate. For Twin ICB models, there is a left and a right sprayhead to calibrate. Ensure the container is under the correct sprayhead for calibration.
7. Select the START button to begin a 1-minute dispense of hot water from the sprayhead.
8. The display will show the time remaining for dispense along with the option to stop the dispense if necessary. The 60-second timer on the display will count down to zero.
9. When the counter reaches zero, the display will change to allow the measured amount of water in the container to be entered and saved in programming. Measure the amount of water in the container and select the white text area on the screen to enter the value to match the amount in the container.
10. Select SAVE.
11. The display should now show the actual flow rate of the sprayhead.
12. Repeat steps 1-7 to calibrate the other side. (Twin ICB models only)

HOW TO CALIBRATE BYPASS FLOW RATE

This function allows the operator to test and enter the actual flow rate of water coming out of the bypass. The procedure includes a 1-minute dispense of water to determine the actual flow rate. Ensure that the brewer is heated to brewing temperature before performing a bypass calibration.

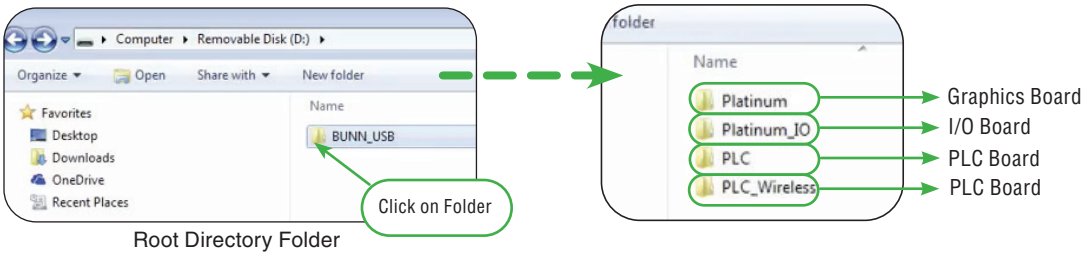
13. Place a container, accurately graduated with a minimum capacity of 60 ounces, under the funnel.
14. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
15. Select the ADVANCED icon.
16. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
17. At the ADVANCED MENU screen, select the CALIBRATION icon.
18. For Single ICB models, there is only 1 bypass to calibrate. For Twin ICB models, there is a left and a right bypass to calibrate. Ensure the container is under the correct brew station for calibration.
19. Select the START button to begin a 1-minute dispense of hot water from the bypass.
20. The display will show the time remaining for dispense along with the option to stop the dispense if necessary. The 60-second timer on the display will count down to zero.
21. When the counter reaches zero, the display will change to allow the measured amount of water in the container to be entered and saved in programming. Measure the amount of water in the container and select the white text area on the screen to enter the value to match the amount in the container.
22. Select, SAVE.
23. The display should now show the actual flow rate of the bypass.
24. Repeat steps 13-23 to calibrate the other side (twin models only).

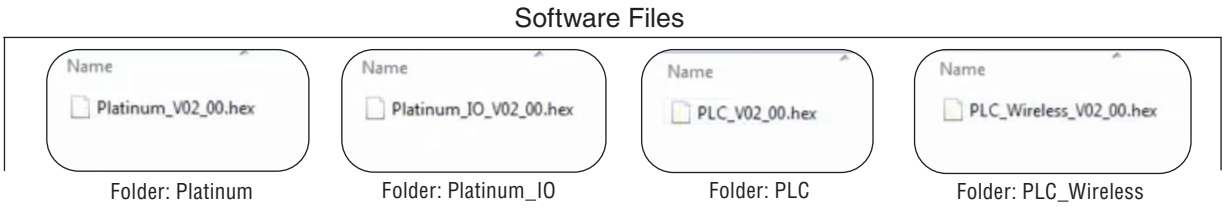
UPDATE SOFTWARE

Certain folder structure must exist on a USB drive with correct naming conventions in order for the software update to be successful. In addition to folder structure, certain files are required to reside in folders within the directory. Follow the instructions to ensure folder structure and files are present before proceeding with updating software.

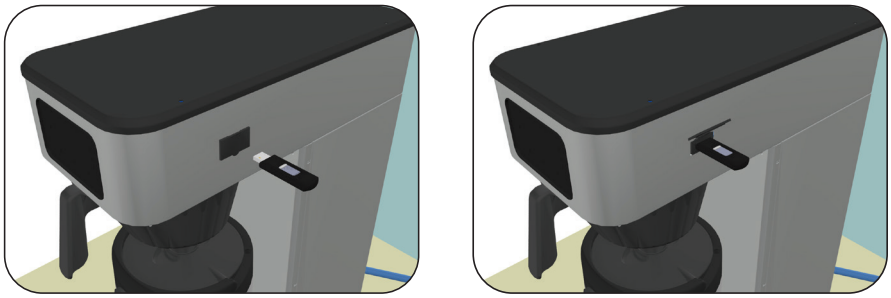
1. Insert the USB drive that will be used for the software update into a computers USB port.
2. Access the USB drive (removable disk accessed from “My Computer” in Windows).
3. Verify folder structure is present and programming files exist.

Note: No folders should be zipped or compressed on the USB drive.





4. Open the protective cover to the USB slot on the right-side of the hood. Insert the USB device with the loaded software updates.



5. The display touchscreen will present options available for updating software. Select the component on the touch-screen display to begin the update.

6. Allow time for the update to complete. Repeat steps to complete all software updates if necessary.

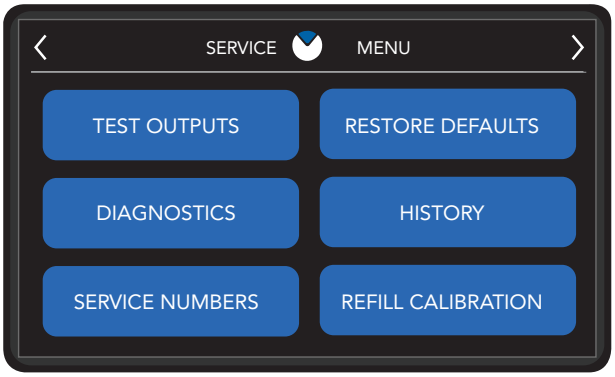


SERVICE

Accessed from the ADVANCED menu, there are several options that are useful for diagnostic purposes.

HOW TO ACCESS SERVICE MENU

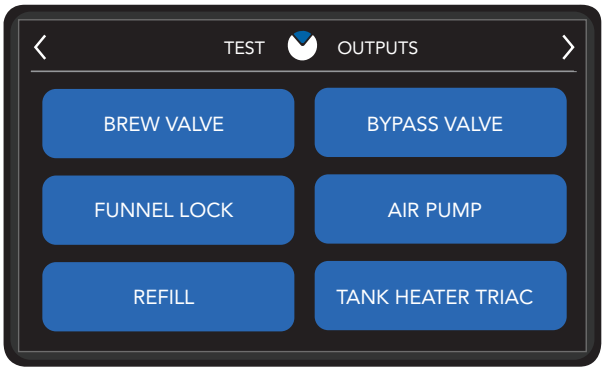
1. Touch the BUNN logo for 2 seconds to enter SERVICE ACCESS.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. In the ADVANCED MENU screen, select the MACHINE SETTINGS icon.
5. The MACHINE SETTINGS screen will appear on the display. Select the SERVICE icon.



TEST OUTPUTS

This feature allows the user to manually turn On/Off individual electrical components to check for functionality.

Each button corresponds to a specific action. For example, selecting a brew or bypass valve will possibly dispense hot water out of the sprayhead; ensure that the brew funnel is always in place when testing outputs.

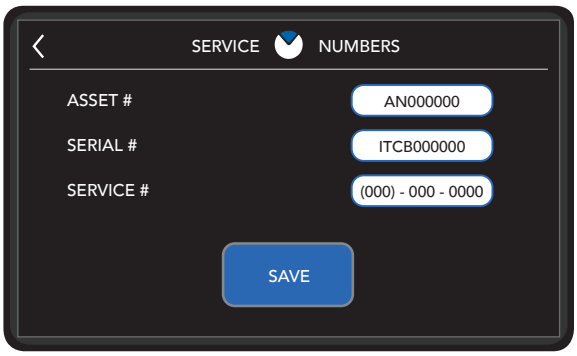


Brew Valve: For testing brew valves (ensure funnel is in place)
Bypass Valve: For testing bypass valve(s) - (ensure funnel is in place)
Funnel Lock: For testing funnel lock(s)
Air Pump: For testing air pump(s)
Refill: For testing the refill circuit
Tank Heater Triac: For testing tank heater(s)

Viewing Asset, Serial and Service Number

1. Touch the BUNN logo for 3 seconds to enter the SERVICE ACCESS screen.
2. Select the ADVANCED icon.
3. At the PASSWORD ENTRY screen, select ENTER (If a password is required, enter the code at this screen).
4. At the Advanced Menu screen, select the SERVICE icon.
5. Select SERVICE NUMBERS to view the asset, serial and service numbers.

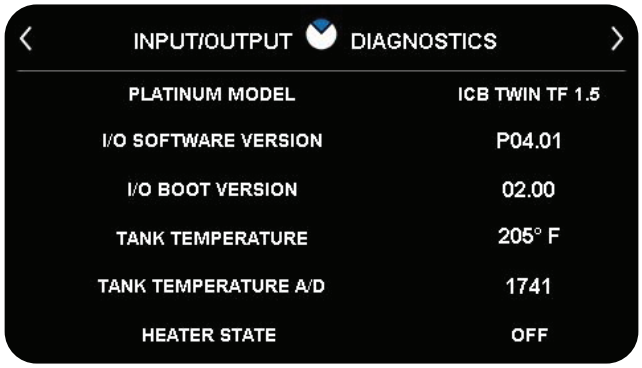
   NOTE: The asset number will display if it has been setup in PROGRAMMING, otherwise it will not appear.

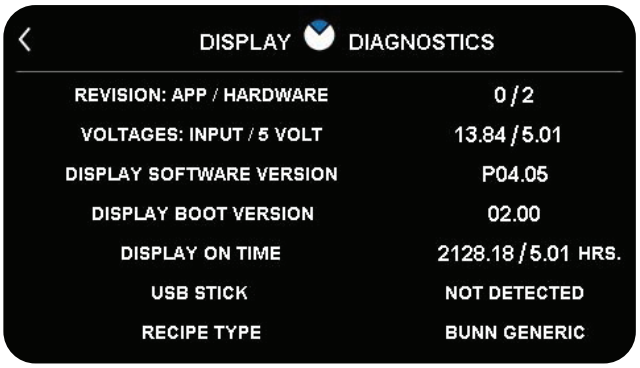


DIAGNOSTICS

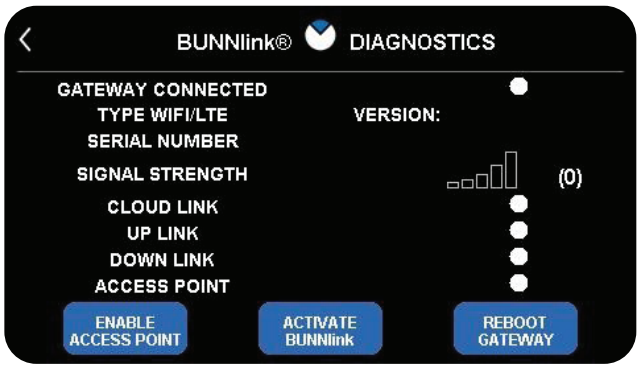
On entry to the Diagnostic screens, brews that are in process are cancelled, which turns off all of the outputs associated with brew cycles, and the heaters are turned Off. Within the Diagnostics menu, there are a few options to choose from. When an option is selected, system information will appear on the display for diagnostic purposes.







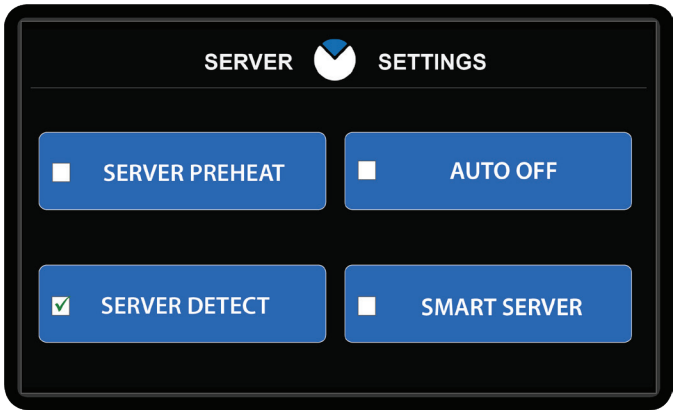




TANK PURGE

The purge function is to remove water heated over 140 degrees if Cold Brew is selected after being in Hot Brew mode. This screen will the current tank temperature and target tank temperature. During the purge, the tank temperature will be displayed so users can visibly see the current & target temperature. The user will be prompted on screen to place dispensers upon start and stop cycles. When purge is complete and target temperature is reached the display will go back to the home screen for brewing

Soft Heat Server Programming Features (Server Settings)



Server Detect

This feature detects if a server is present before a brew can begin and during a brew if a server is removed during a brew the brew will stop within 3 seconds. Default will be enabled. To disable, the user can press the server detect button and the function will be disabled.

Pop-up Events Related to Server Detect:

SERVER NOT PRESENT

This screen will display if server detect is enabled but no server is present to begin a brew. The button will gray out and display server not present.

REPLACE SERVER AND PRESS CONTINUE

If a server is removed while the brew is in progress “REPLACE SERVER AND PRESS CONTINUE / PRESS STOP TO CANCEL” should toggle in the brew animation section of the screen. Pressing continue will go ahead with the brew, pressing stop will cancel the brew and return the user to the home screen.

Server Preheat

This is feature is set by the machine and will automatically start to heat a server when it has been docked to the brewer. If enabled the box to the right of the text on the button will have a check mark, if disabled it will be empty. This setting will be enabled by default in the brewer.

Smart Server

The smart server feature will help aid in or reduce error when selecting a recipe to brew into a certain server. This will simplify the brewing process by allowing the server to dictate the recipe selection based on what was previously brewed into it. After the completion of a brew the recipe information (name) will be written to the server. Once the server has been placed back onto a machine the recipe will automatically be changed to the previously brewed recipe for that server. The recipe button will change to server recipe. However, the user will still have the ability to change the recipe name manually while also having to select a size. Smart server is enabled when the white check box has a green check mark inside. To disable the user must press the smart server button, this will disable the feature and remove the green check mark.

Auto-Off

Auto off is a timer that will automatically start a countdown after the freshness time has expired on a server to control how long the server should maintain the SH temperature. The time limit can be set up to 4:00 hours. Time will be changed in increments of 1 for minutes and hours. Feature is defaulted off. When time is changed and saved, the new time will be set and the user exited back to server settings.

CHECK GROUNDS IN FUNNEL: BREW ANYWAY?

Once a brew is complete, a message will appear prompting to remove the funnel and discard the contents. This message will only display for 3 seconds then return to the home screen. If the funnel has not been removed since the last brew, the user will be prompted to check grounds and brew anyway or be allowed to cancel and return to the home screen.



SMART FUNNEL POP-UP EVENTS

The following are messages that can appear when FUNNEL DETECT is Enabled.

SMART FUNNEL NOT PRESENT: BREW ANYWAY?

If "Funnel Detect" is enabled and the user selects the brew button, a message will appear that warns the user a SMART Funnel is not present (inserted into the funnel rail). The user as the ability to continue with the brew by selecting "BREW".



NEW RECIPE HAS BEEN ADDED

When a SMART funnel is inserted and the recipe is not in the Recipe library, the system will attempt to add the funnel recipe to the recipe library. The system will add the recipe in the first available empty slot in the library. When this occurs, a message will be shown to indicate that a new recipe has been added to the library. It is recommended that the user review the recipe parameters (see "How to Access Recipe Settings").



RECIPE LIST FULL

When attempting to brew a new recipe with a full recipe library (up to 30 recipes), the funnel recipe will be ignored. To avoid this message from appearing in future brew cycles, a recipe must be deleted from the recipe library to create storage for a new recipe (see "Delete Recipes").



BATCH SIZE NOT ENABLED

If a recipe is in the library, but the batch size is not enabled, the recipe will be selected for brewing, but the size selection will not be auto selected. A message will appear prompting the user to enable the batch size for the recipe (see "ENABLING/DISABLING BATCH SIZES"). The system will not perform a brew cycle for the selected recipe until the corresponding batch size is enabled.





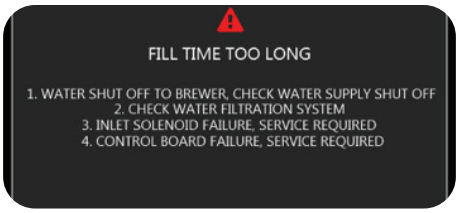


SERVICE MESSAGES

When the system detects an event that requires attention, a message will appear on the display with supporting information related to the event. Selecting the BUNN logo at the top of the display will exit the to the home screen without resolving the event, but the message is recorded in "EVENT HISTORY".

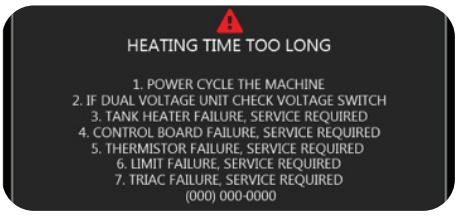
FILL TIME TOO LONG

If the filling or refilling process for the hot water tank is taking too long, this message will display. Refer to the information on the service message as a general starting point for resolution.



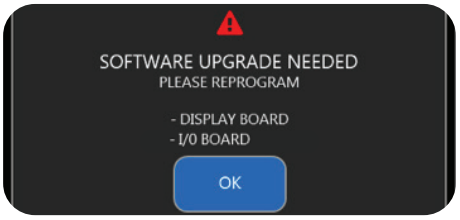
HEATING TIME TOO LONG

If the heating process for the hot water tank is taking too long, this message will display. Refer to the information on the service message as a general starting point for resolution.



SOFTWARE UPGRADE NEEDED

In the event that a board was upgraded while the other was not, a message will appear to let the user know there is an upgraded needed for the board listed in the message. Pressing OK will clear the message for continued use. The message will only clear once the software has been upgraded (see "UPGRADE SOFTWARE").



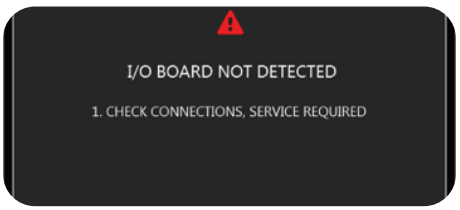
USB SHORT DETECTED

The USB drive is not intended to be used for anything other than machine functions. In the event of a charger or another device being inserted, this message will appear. When this message appears, the USB port will shut down and the machine must be power cycled without any device connected to the USB port to return USB functions back to normal. Pressing the OK button will return the user to the home screen.



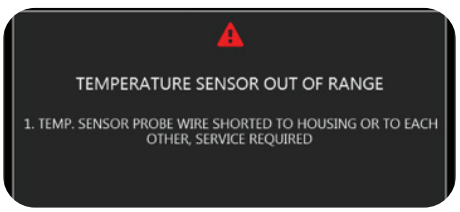
I/O BOARD NOT DETECTED

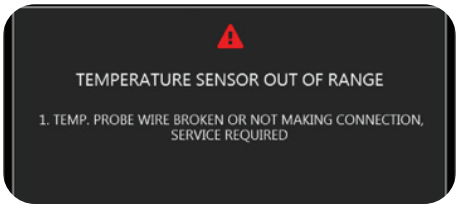
If the I/O board is not receiving the proper commands or a loss of communication occurs, this message will appear. Refer to the information on the service message as a general starting point for resolution.



TEMPERATURE SENSOR OUT OF RANGE

If the temperature probe in the tank is not making a good connection, a message will appear. There are two separate events related to the temperature probe that will result in a message to appear with a description.



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