



Firmware Upgrade Instructions

The firmware upgrade feature on the Dream machine allows the user to upgrade their firmware to enable new features and also fix any bugs that may reside in the software. An SD memory card and reader have been provided to make this a simple procedure. A copy of the latest firmware file can be downloaded from our website.

After downloading the new firmware file then save it to the desktop. Double click on the file labeled [S1D_0119.bin.zip](#) to unzip the file. Then save the unzipped bin file labeled as [S1D_0119.bin](#) to the provided SD memory card. Most modern computers have a SD memory card slot or an external memory card reader can be purchased at most electronics stores. The memory card reader that comes with the machine is used to interface with the espresso machine and will not work with a computer.

After saving the file to the memory card, do not remove it from the computer until the memory card device has been properly stopped/ejected from the computer. This procedure will vary based on whether it is a PC or a Mac and what the current operating system is. Generally speaking if you right mouse click on the device you will be given the option to stop or eject the device. This is very important to help prevent the data on the memory card from getting damaged.

Note: If the file will not copy to the memory card then make sure the lock for the memory card is in the proper position as shown in the picture to the right.



Loading the firmware file to the Dream

After loading the firmware file on the SD memory card, insert the card into the card reader that was provided with the machine, but do not connect the card reader to the machine at this time.

Turn the machine on and then access the main menu. Cycle through the menu until the icon for **SW UPDATE** appears. Press the **OK/MENU** button and then the display should read "Insert SD Card Reader and Press OK"

Open the right side of the SD card reader cover shown in the picture to the right.

Connect the SD card reader to the connection behind the cover. The connection is keyed and will only go in one way. Make sure it is firmly seated for a good connection.

After connecting the card reader then press the **OK/MENU** button. The machine will turn off for a few seconds and then will turn back on.



The menu will time out if it takes too long to connect the SD card reader. If this happens then go back into the **SW Update** menu and then press the **OK/MENU** button again.

The display will show all of the firmware files that have been loaded on to the SD card. Select the newest version firmware file labeled **S1D_0119.bin** and then press the **OK/MENU** button.

The display will read "INSTALLING NEW FIRMWARE" When the update is finished the display will read "REMOVE THE SD CARD AND REBOOT THE SYSTEM"

Unplug the machine from the electrical outlet and then disconnect the SD Card Reader from the machine. Plug the machine back into the electrical outlet, but **DO NOT** turn it on yet.

Warning: The following procedures must be followed before turning the machine on.

Press and hold the **OK/MENU** button for 5 seconds. The display will read "SELECT BOILER THRESHOLD" Press the up arrow button to select "THRESHOLD B" for Dream machines up to serial # 259547 and Dream T machines up to serial # 259496 and then press the **OK/MENU** button to confirm. All serial #'s after that range must be set to "THRESHOLD A"

After setting the threshold setting the offset setting must also be changed in the menu for more accurate temperature control. The new offset setting should be set to 0°F/0°C. Failure to change the offset setting will result in too high of a temperature and may make the coffee taste bitter.

The machine can now be used normally after setting the threshold and offset settings.



S1 Dream Firmware Update Version 1.19



This update includes the following improvements and fixes:

- ❖ **SHOT TIMER:** The shot timer has now been increased to show the previous shot length for 10 seconds and also keeps the shot buttons active during that time so a follow up shot can be done without having to wait for the shot timer to go away.
- ❖ **OFFSET:** The corrected offset setting has been built into the firmware so that the user adjustable offset can be set down to 0. The user adjustable offset also now has a range of +/- 12°F/6°C to allow for a greater range of adjustability.
- ❖ **SCROLL:** The ability to scroll up and down by holding the arrow keys has been added to the remaining menu's to allow for quicker and easier navigation.
- ❖ **FACTORY:** The factory menu has been removed so a password is no longer needed to access the advanced menu features.
- ❖ **RESET:** The reset feature has been removed to prevent the user from entering a false serial number on a reset and also helps prevent the wrong threshold setting from being used.
- ❖ All previous firmware updates have also been included with this update.