

Using the Dream Read & Write Backup Options as implemented through SW ver 1.17

Note: Chris Coffee Service intended for the Read and Write function to only backup the four machine profiles in order to allowing sharing them on-line with other Dream users. This is why CCS does not currently advertise that this function works.

In reality, it does work but this function backs up the complete machine configuration, not just the profile data. So if you share the backup file with another Dream owner they will completely wipe out their machine's configuration and replace it with yours. This even includes 15/20A mode setting. This makes this function acceptable for personal backup and/or if you want to make a lot of set up changes and prefer to edit, then upload the file rather than using the menu system. However, sharing the file with other users is strongly discouraged and could be dangerous.

Before selecting the Read or Write options plug the SD card reader into the port on the front of the machine with a card installed.

1) Dream Read

Both read and write are defined backwards from the way PC/Macs normally define them. In the case of the Dream they are from the vantage point of the Dream. So if you want to write a backup file to the SD card, you use the Read function; i.e. you **read** the data out of the Dream and write it to the SD card.

This creates a file on the SD Card called DREAM_R.csv. Unfortunately, this is a semi-colon delimited file instead of a comma delimited file. Apparently, it's a European thing. Since they use a comma instead of a decimal point in their numbers, they can't really use a comma as a delimiter so they opted for a semi-colon.

If you want to make this file much easier to read, edit, and resave, you will need to transfer the file on the SD card to a PC/Mac and then use a program such as Microsoft Excel which has an Import Text File option that allows you to specify that semi-colon is the delimiter rather than comma.

Here are some things you will notice when you look at the contents of the DREAM_R.csv file:

- a) If you have entered custom profile names, they don't show up in this file. Apparently, the profile names are stored on the DREAM in an area of non-erasable flash.
- b) The four profiles are listed in the same order they were entered on the Dream. This is the only way to tell which profile's data aligns with which name other than being able to recognize them from the actual profile contents.
- c) The serial number of the machine is listed in the file. However, if you change this number it does NOT overwrite the actual machine serial number when reloaded onto the machine.
- d) You will see they LaSpaziale has an error in the file format in the row that contains the days of the week for the programmable On/Off times. There is an extra semicolon between each day so that the days don't line up properly in the file. DO NOT FIX THIS. Apparently,

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LaSpaziale has the same error in the code when it is read back into the Dream so this error needs to remain in the file.

- e) The machine date and time are entered in the DREAM_R.csv file at the instant it is created. If you later upload this file back to the Dream, the original date and time WILL overwrite the current date and time so that you will need to correct them.
- f) If you want to reload the edited contents of the file to your machine or just reload it to get to a known previous state after making changes via the GUI, you have to resave the file in semi-colon delimited format. It is not easy to do this in Excel 2010. You mileage may vary if you are using a different program. What I did was save it to a csv file in Excel which creates a comma delimited file. Then I opened the file in a text editor (Notepad or Wordpad in Windows work fine). Then do a “find and replace all” function to change all commas to semi-colons. LASTLY, SAVE THE FILE AS DREAM_W.CSV. This is the only file name the DREAM Write function will recognize.

2) DREAM Write

The Write menu option on the Dream reads the DREAM_W.CSV file from the SD card and **writes** it to DREAM memory. As noted above, after this file is loaded, you will need to update the time and date. The Write function will only restore the file named DREAM_W.CSV so make sure this file exists on your SD Card. You cannot just edit, save, and restore the DREAM_R.CSV file.

Example of converted DREAM_R.CSV file

On the next page is an example of the DREAM_R.CSV file that has been successfully imported to Excel. Note that there are two separate column entries for C and F for steam and group boiler temperatures as well as for the Offset. The Dream does really keep two sets of books. So if you change from American (F mode) to one to English or Italian (C) modes you will get the last saved value from that mode.

For example 94C=201F. On a LaMarzocco GS/3, if set to 94C and you switch to F mode, you always get 201F. This is not necessarily the case on the Dream. If set to 94C and you switch to F mode you get whatever the saved value was from the last time you were in F mode which may or may not be 201F. Note that this example file does list 94C and 201F in both columns so in this case you will get the same reading if you switch back and forth but only because they are set to the same values. They could just as well be different values.

There is a similar situation for the setting that provides an alarm after a preset amount of water passes through the machine signaling time to change filters. There is a column entry for gallons and one for liters.

USER PARAMETERS																					
USER ACTIVE	SET T GROUP °C	SET T GROUP °F	SET T BOILER °C	SET T BOILER °F	IMP DOSE 1	DOSE 1 sec	IMP DOSE 2	DOSE 2 sec	PREINF	PREINF sec	SET T MAT °C	SET T MAT °F	HOT WATER AUTO	HOT WATER sec							
1	94	201	120	248	471	61	276	40	0	0	60	140	1	8							
1	94	201	120	248	461	61	401	51	1	4	60	140	1	8							
0	94	201	120	248	90	25	100	30	0	0	60	140	1	5							
0	94	201	120	248	90	25	100	30	0	0	60	140	1	5							
DATE&TIME																					
YEAR	MONTH	DAY	HOUR	MIN																	
13	3	15	12	45																	
GENERAL PARAMETERS																					
SERVICE	SERVICE SET	FILTER	FILTER SET Lt	FILTER SET US Gal	CONTRAST	TIME CHANGE	TIME ZONE US	FULL POWER	AUTO SHUTDOWN	SHUTDOWN TIME	EGS	GRIND CHECK	GRIND CHECK sec	CALIB T BOILER °C x10	CALIB T BOILER °F x10	OFFSET T GROUP °C	OFFSET T GROUP °F	PID PAR P	PID PAR I	PID PAR D	TIMER ON
0		0			2	1	1	1	0		0	0		0	0	60	120	300	100	11000	1
TIMER																					
MON			TUE			WED			THU			FRI			SAT			SUN			
on	off	on	off	on	off	on	off	on	off	on	off	on	off								
7:30	20:30	7:30	20:30	7:30	20:30	7:30	20:30	7:30	20:30	7:30	20:30	7:30	20:30								
20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30								
20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30	20:30								

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