



Instructions for accessing all batch menus for –PROGRAMMING





A70 Recipe Copy?

*Left top A11& Right top A41 are permanent

PROGRAM	Program Items	Factory set Default	Programming Range	Increment s	Notes
A11	Batch Volume	0.80gal 3.00liters	0.25 to 1.25 gal 0.95 to 4.70L	0.01G 0.05L	Unit software is in liters; converts to gallon
A12	Brew Time	4:00 minutes	2:00 - 12:00	0.30	Default total brew time is 5:30 minutes
A13	Prewet Perc.	0%	0.00 – 15.0%	1%	Percentage of total brew volume
A14	Prewet Delay (Pause after prewet completes)	0% [1:00 Min]	[0:10 – 5:00]	1:00 min	The time between prewetting and start of brew cycle. This feature appears ONLY if Prewet >0:00
A15 This is a Safety Feature	Drip Delay	1:30 mm:ss	0:30 – 6:00 Min.		Time that brew basket remains locked during final drip-out →Drip delay remains "ON" for 1:30 minutes if STOP is pressed during brew
A20	BATCH ACT A20 YES - NO +	YES (Active)	Middle and Bottom batches A2,3,5,6	Batch on or off	Batches may be individually enabled, rewritten or deactivated
A21	Batch Volume	0.80gal 3.00liters	0.25 to 1.25 gal 0.95 to 4.70L	0.01G 0.05L	Unit software is in liters; converts to gallon
A22	Brew Time	4:00 minutes	2:00 - 12:00	0.30	Default total brew time is 5:30 minutes
A23	Prewet Perc.	0%	0.00 – 15.0%	1%	Percentage of total brew volume
A24	Prewet Delay (Pause after prewet completes)	0% [1:00 Min]	[0:10 – 5:00]	1:00 min	The time between prewetting and start of brew cycle. This feature appears ONLY if Prewet >0:00
A25 This is a Safety Feature	Drip Delay	1:30 mm:ss	0:30 – 6:00 Min.		Time that brew basket remains locked during final drip-out →Drip delay remains "ON" for 1:30 minutes if STOP is pressed during brew
Batch Copy	Copy From Batch	A71	A71 1 (1-6)		
	Copy To Batch?	A72	A72.1 (1-6)		15.0
** **Middle	Topmost Batch LEF and bottom batche	T & RIGHT Side may be disable	cannot be disabled. (T d for single and dual b	Wer CBS-213 WIN Brewer rewer (CBS-2	TEe) CBS-2132Ee) 131Ee CBS-2132Ee)
**Middle and bottom batches may be disabled for single and dual brewer (CBS-2131Ee CBS-2132Ee) BATCH PRG A A BATCH ACT A20 YES STOP STOP STOP STOP A1 A2 A3 A3 A6 EBATCH A3- EBATCH A3- EBATCH A2- A3 A6 EBS-2132MTe C					

PROGRAM	Program Items	Factory set Default	Programming Range	Increment s	Notes
B1	Tank Temp.	92° -or- 197°F NOTE: Equipment is metric by default	70° to 96°C 157°F to 205°F	0.5°C 1.0°F	Chart to correct for high altitude below
B2	Brew at Temp.	"YES"	ON/OFF	YES/NO	SEE NOTE BELOW!
B3	LLC Sensitivity	LOW	LOW is "normal" for most water "HIGH" for R.O.	LOW HIGH	Liquid level control sensitivity. High is for reverse osmosis water or very pure water.
B4	Units of Meas. Temperature	°C Degrees Celsius	Equipment is metric by default	C/F	[Switchable Units]
B14	Volume Units	Liters [Gallons]	Equipment is metric by default	L/Gal	[Switchable Units]
P15	Flow Rate:	CBS-2131&2132 1.54L/0.40G	1.4-1.95Liter 0.36-0.52G	0.50L	Adjusts flow rate
615	LEFT brew valve	CBS-2151&2152 3.20L/0.84G	2.8-3.8Liter 0.73-1.01Gallon	0.01G	Aujusis now rate
P16	Flow Rate:	CBS-2131&2132 1.54L/0.40G	1.4-1.95Liter 0.36-0.52G	0.50L	Adjusts flow rate
ВІО	RIGHT brew valve	CBS-2151&2152 3.20L/0.84G	2.8-3.8Liter 0.73-1.01Gallon	0.01G	
B17	Low flow rate from mains	NO	OFF/ON	Toggle =/- YES or NO	Trims fill system for low supply

BREW AT TEMPERATURE DEFINITONS

BREW AT TEMP: "<u>ON</u>" (DEFAULT: FACTORY PROGRAMMED INTO BREWER) "BREW at TEMP: Batch will not start if tank temperature is below set point. The "BREW START" entry buttons will not illuminate and (low) hot water tank temperature ill display. Entry buttons will illuminate and "READY" will display when hot water tank is at the selected temperature.

When "BREW AT TEMP" is selected and tank water temperature is below selected set point the screen at right will display . \rightarrow	Hot water tank not at temp. Tank temp.→ STOP is not lit → BREW START buttons not lit. and are disabled. Buttons will _ reilluminate when "READY"	FETCOT HEATING 160°F STOP STOP
BREW AT TEMP: OFF USER SELECTA Allows brewing at any temperature above 157	BLE (Not °F/70°C.	recommended)

Default-factory set brew valve flow rates. Is in liter/min-will convert to Gal /min							
See "PROGRAM" B5 Left brew and B6 Right valve settings and calibration							
Dual brewer		Single	Brewer				
CBS-2152	Liter/min	Range	CBS-2151	Liter/min	Range		
Left Brew FR Right Brew FR	3.20 L 3.20 L	2.8 to 3.8 2.8 to 3.8	Left Brew FR	3.2 2.	8 to 3.8		
CBS-2132	Liter/min	Range	<u>CBS-2131</u>	Liter/min	Range		
Left Brew FR Right Brew FR	1.50 L 1.40 1.50L 1.40	to 1.95 to 1.95	Left Brew FR	1.50 L 1.	40 to 1.95		

Chart to correct for altitude for boiling point in tank water temperature.							
[ft]	[m]	Suggested Setting[°F]	Boiling point[°F]	Suggested Setting[°C]	Boiling point [°C]		
0	0	205	212.0	96	100.0		
500	152	205	211.0	96	99.5		
1000	305	200	210.1	93	98.9		
2000	610	200	208.1	93	97.8		
2500	762	200	207.2	93	97.3		
3000	914	200	206.2	93	96.8		
3500	1067	197	205.3	92	96.3		
4000	1219	195	204.3	91	95.7		
4500	1372	194	203.4	90	95.2		
5000	1524	194	202.4	90	94.7		
5500	1676	193	201.5	89	94.2		
6000	1829	192	200.6	89	93.6		
6500	1981	191	199.6	88	93.1		
7000	2134	190	198.7	87	92.6		
7500	2286	188	197.8	86	92.1		
8000	2438	187	196.9	86	91.6		
8500	2591	185	196.0	85	91.1		

PROGRAM	Program Items	Factory set Default	Programming Range	Increments	Notes
C10	LLC Probe continuity	Direct read	Reading of tank water resistivity in TDS	≈850- LOW ≈1600-HIGH	Nominal values
C11	Brew Basket Sensor	Direct read	YES or NO		
C12	Tank Temp.	Direct read	Hot water tank teperature		Actual values
C13	Keyboard Test	Calibrate	Checks buttons under membrane cover	YES/NO	If Yes: Follow directions on the touch screen

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PROGRAM	Program Items	Factory set Default	Programming Range	Increments	Notes
D1	Left Valve Test	(Press to test)	TEST	Toggle +/- OFF or ON	Runs valve to verify flow. NOTE!-Have container under brew-basket!
RIGH	Γ Valve display is o	nly for CBS-2132E	e dual side brewer.	Single series	displays LEFT side only
D2	Right Valve Test	(Press to test)	TEST	Toggle +/- OFF or ON	Press To Test
D3	Fill Valve Test	(Press to test)	TEST	Toggle +/- OFF or ON	Press To Test
D4	Heater Test	(Press to test)	Activates heaters 3 seconds	Toggle +/- OFF or ON	Energizes Heater(s) WARNING! Service use only.
D5	LCD Brightness	Brightness=8	0-15	1	Very dim to bright illumination

Calibrating flow rate (CBS-2131Ee has 3 batch settings CBS-2132Ee has 6 batch settings)
ACTUAL VOLUME
PROGRAMMED VOLUME
TERM DEFINED AS
Grammed Volume Factory default
3:00///ers or 0.80gal
Current Setting
Amount displayed in A11-Batch Volume

tual Velume Amount actually brewed in one full batch

Corrected Setting Setting to enter to obtain desired batch Location B6

OTHER	Programming Items	Factory set Default	Programming Range	Inc	Notes
E1	Display firmware	00570			Displays current version
E2	Select Model	CBS-2132Ee	Scroll to brewer model Save & Exit	CBS_2131 CBS_2132 CBS_2151; CBS_2152	Will need reboot
E3	Display Errors	Lists up to six codes, in order	1: ; 2: ;3:;4: ;5: ;6:	Newest=last	See Error Code Chart for references
E4	Reset Errors	NO +		Toggle =/- YES or NO	Factory and Service use only. Do Not Reset
NOTE Clear error codes by cycling the brewer "OFF" then "ON". Do not reset the error codes. Re error codes should be after completing the service and factory diagnostics and correcting any brewe					
NOTE [@] Clear e error codes sho	rror codes by cycli uld be after comple	ng the brewer "OFF eting the service and	" then "ON". Do I factory diagnos	o not reset the errection of the errection of the second sec	ror codes. Resetting ng any brewer faults
NOTE Clear e error codes sho	rror codes by cycli uld be after comple (Reload) DEFAULTS	ng the brewer "OFF eting the service and Reset to default of base model	" then "ON". Do I factory diagnos Will need reboot	o not reset the en stics and correction Toggle =/- YES or NO	ror codes. Resetting ng any brewer faults Completely overwrites all user setup.
NOTE ^{Clear} e error codes sho E14 E15	rror codes by cycli uld be after comple (Reload) DEFAULTS USB Data Save	ng the brewer "OFF eting the service and Reset to default of base model Save data to USB	" then "ON". Do I factory diagnos Will need reboot	o not reset the en stics and correcti Toggle =/- YES or NO	ror codes. Resetting ng any brewer faults Completely overwrites all user setup.
NOTE ^{Clear} error codes sho E14 E15 E16	rror codes by cycli uld be after comple (Reload) DEFAULTS USB Data Save USB Data Load	ng the brewer "OFF eting the service and Reset to default of base model Save data to USB Load Data from USB	" then "ON". Do I factory diagnos Will need reboot Will need reboot	o not reset the en stics and correcti Toggle =/- YES or NO	ror codes. Resetting ng any brewer faults Completely overwrites all user setup.
NOTE © Clear e error codes sho E14 E15 E16 E17	rror codes by cycli uld be after comple (Reload) DEFAULTS USB Data Save USB Data Load Software update	ng the brewer "OFF eting the service and Reset to default of base model Save data to USB Load Data from USB Plug in USB flash- drive device.	" then "ON". Do I factory diagnos Will need reboot Will need reboot Will need reboot	o not reset the en stics and correcti Toggle =/- YES or NO	ror codes. Resetting ng any brewer faults Completely overwrites all user setup.
NOTE © Clear e error codes sho E14 E15 E16 E17 E18	rror codes by cycli uld be after comple (Reload) DEFAULTS USB Data Save USB Data Load Software update DEMO Mode	ng the brewer "OFF eting the service and Reset to default of base model Save data to USB Load Data from USB Plug in USB flash- drive device. DEMO ON/OFF	" then "ON". Do I factory diagnos Will need reboot Will need reboot Will need reboot Will need reboot	o not reset the error stics and correcti Toggle =/- YES or NO	Provide and the second seco

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F: saving your settings and logging out

Error Codes THIS MAY BE INCOMPLETE OR INCORRECT							
→Contact specialized personnel for error codes							
Code	Description	Possible Cause	Corrective Action	How to Clear Error Codes			
001	Software error-error on start up or corrupted software	Improper start-up or shutdown	Restart , if still fault: reload software	TO CLEAR FAULT,			
050	Short-circuit in temperature probe	Probe failure.	Replace probe.	Make repairs as required			
051	Open temperature probe.	Bad probe connection, or probe failure.	Check all connections. Replace probe if necessary.	Below is the only way to clear error codes: 1) Enter			
075	Brew basket failure	Bad sensor	Check connections/wires	"PROGRAMMING"			
100	Initial Fill Error. Initial fill time was more than 11 minutes after power up.	Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter)	2)Scroll left to "OTHER" 3)Scroll down to E12 "Display Errors"			
101	Error on refill Tank did not refill within 3 minutes.	Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter)	4) Correct fault condition			
102	Unwanted fill;	Possible leak in tank, fitting, or valve.	Occurs during pre-fill, low probe is uncovered	"Clear Error Codes"			
107	Fault Lower liquid level probe	Tank not filling	Occurs during pre-fill, low probe is uncovered, or wires are reversed low / high probe	shown on screen. Merely toggling ON/OFF switch will not clear error			
200	Flat line temperature (water is boiling)	SSR failure	Check SSR, check control board output, or adjust temperature for altitude	codes.			
201	Heater open, high limit thermostat, or Solid State Relay (SSR) fault	Failure of: heating element, SSR, high Limit or low voltage	Check and replace heating elements if necessary.	cleared by correcting the fault and entering			
202	Heater Short	Heating element fail	Check Heater & SSR	using the menus!			
255	Touch pad error	Usually from longer than 2 min contact. Or faulty reassembly after service	Restart , if still fault: reload software. If mechanical: reassemble correctly				
	INSERT BREW BASKET	Brew basket must be in place This is a SAFETY FEATURE	Insert brew basket into brewer rails to enable brewer				