



BRÄU SUPPLY

Bräu EZboil Controller Quick Start Guide:

The Auber EZboil controller is one of the simplest controllers to manage the electric brewing process out of the box. It shouldn't take any longer than a few minutes to set up the controller's parameters for your brew day. Auber makes a manual which is more in depth, and it can be viewed at http://auberins.com/images/Manual/DSPR120_manual.pdf This manual is to discuss the most relevant features that work with the Bräu Supply product line and single vessel brewing.

When you plug in the controller the display lights up. The top display shows the current sensor temperature reading. Depending on the mode that the EZboil is in, the bottom display will show the set temperature in Mash mode. In Boil mode, the bottom display will show the current output in % of maximum output. If the controller is in Mash mode, an amber light will be lit on the top left corner of the display. If the controller is outputting power, the green light on the left side of the display will light.

First you want to set up the main parameters of the EZboil and they are detailed below.

Always plug your Bräu Controller into a GFCI protected circuit.

Bräu SV120 EZboil:

The 120V controller features manual pump control, and the EZboil controller on the front display. The pump, and the display are fused with a 20mm 5A fuse which is on the back panel. The 5-15 standard receptacle on the back is for the pump output. Plug the pump in here and do NOT exceed 5 amps. **Never, ever, ever plug an element in this plug!** The L5-20R receptacle plug on the back of the controller is for heating elements up to 2000W of power.

Bräu SV240 EZboil:

The 240V controller front display features manual pump control, and also has a switch which is a safety disconnect for the 240V element, and a 20mm fuse holder. The pump, and the display are fused with a 20mm 5A fuse which is on the back panel. The 5-15 standard receptacle on the back is for the pump output. Plug the pump in here and do NOT exceed 5 amps. **Never, ever, ever plug an element in this plug!**

The L6-30R receptacle plug on the back of the controller is for heating elements up to 5500W of power.

Fuse Replacement:

In the unlikely event that you blow the fuse, hold the **OUTSIDE** of the fuse holder to prevent it from twisting. While we take care to install the fuse holder so it's tight to the case, prolonged use may loosen the holder. Twisting may dislodge the wires inside. Use a philips screwdriver while holding the holder from the outside and unscrew the cap. The cap is spring loaded and should just pop off after a few turns. Replace the fuse and screw the cap back on while holding the fuse holder in place.

Mash Mode Setup:

Press and hold the knob for at least 5 seconds. The top display will show **Goto. Mash** will light up in the bottom display. Press the knob in and a **t** will light up in the top display. This is the Mash timer setting. The default setting is **1:00** and represents the mash time set value of 1 hour. Leave as is or increase to the mash time you prefer.

Press the knob in again and you will see **tSP** on the top display. This is the Mash timer start temperature. When the temperature reaches this set point, the timer will automatically start to count down. It's factory set to **151**.

Press the knob a third time and you will see **ALH** light on the top display. This is the mash alarm set temperature. It can be used to notify you as you approach mash temperature. Or, it could be set to notify if the temperature is too low or too high. My personal preference is to leave it at the mash setting temperature, to notify me when the strike temperature has been reached.

Press the knob again and the top display shows **Eo**. This is the mash ending power option. It's factory set to **OFF**, and I like to turn it to **ON** as the next obvious step is to bring it to a boil, and the sooner the better!

Press the knob a fifth time and the top display shows **oScr**. This is overshoot correction. It's factory set to **0** and only after you use the system a few times will you be able to determine exactly how many degrees the temperature overshoots once the strike temperature has been reached. If it overshoots by 4 degrees, you would set this to **4**. This should remove the overshoot. This setting has no effect after the temperature reaches the set point.

Press the knob a last time and the top display shows **AttE**. This is attenuation constant. What this means is the stability of the temperature during mashing. This setting is to maintain constant mash temperature after the mash set point has been reached. The value can be set from **-2** to **+2**. The default value is **0**. If the temperature fluctuates more than 1 degree, you can increase the value. If the controller takes too much time to correct a temperature drop you can reduce the **AttE** to make the system more responsive.

Press the button again and you are back to the display mode.

Boil Mode Setup:

Press the knob for at least 5 seconds and **Goto Mash** lights up in the display. Turn the knob to the right one click to **Goto boil**. Press the knob.

The top display shows **bASt**. This is boiling acceleration set temperature. It is factory set to **200**. **bASt** is the threshold temperature at which you can slow down the output of the controller to reduce the likelihood of a boilover. Get to know your system before raising the factory setting from 200 degrees.

Press the knob again and the top display shows **bout**. This is boiling acceleration output power. This is determined by a percentage of the total output. It's factory set at **100** percent. This means the controller will put out 100% of power until the **bASt** temperature has been reached.

When the temperature has been raised to the **bASt** setting, it automatically reduces power output to a lower level to prevent a boil over.

Note: The boil settings mentioned above only work in systems where the temperature probe is mounted inside the kettle! If you have a system such as the Unibräu system, where the temperature probe is inline and mounted on the lid or on the output of the ball valve, the best thing to do is change the bASt setting to 0. This changes the controller into a manual controller while in Boil mode. The boil alarm, and timing mode are still active.

Press the knob again and the top display shows **bt**. This is boil time. It's factory set to **1:00** or 1 hour. Increase or decrease the timer by rotating the knob.

Press the knob a fourth time and the top display shows **btSP**. This is boil timer start temperature. The factory value is **208**. When the timer function is enabled, the timer will be started by the timer start temperature or **btSP**.

Press the knob a fifth time and the top display shows **bALH**. This is boiling alarm set temp. It's factory set to **200**. The alarm will generate four short beeps every time the temperature rises from below **bALH** to higher than **bALH**. It's there to notify you that you are approaching boil.

Press the knob again and the top display shows **bEo**. This is boiling ending option. It's factory set to **oFF** and I prefer it this way.

Pressing the knob again returns you to the main menu. Now let's get brewing!

Operation:

Mash Mode:

To enter the mash mode press the knob momentarily. Rotate to the right until you see **ModE MASH** on the display. Press the knob and the mash indicator will light up on the top left corner of the display. The top line of the display shows the measured temperature and the bottom line displays the mash set temperature. When the tSP temperature has been reached, the timer will start and the top display will rotate between the time remaining and the measured temperature.

Boil Mode:

To enter the boil mode press the knob momentarily. Rotate the knob to the right until you see ModE Boil on the display. Press the knob and the controller will enter Boil mode. The top display shows the measured sensor temperature and the bottom display shows the power output once the **bAST** has been reached. In other words, unless you are in manual mode, this display shows the power output you would like to maintain a rolling boil. I usually set this to 60 by rotating the knob, however the power output desired depends on the power of the element that you are using and the volume of liquid in the kettle. If your **bAST** setting is set to **0**, the bottom display shows the power output in percentage, and it is regulated by the knob.

Timer Reset:

Press the knob momentarily and the top display shows rSt. This is to reset a timer that may have started. Rotate the knob to the right and the bottom display shows y. Press the knob momentarily and the timer will reset.