

EINBREW 3V2P FREQUENTLY ASKED QUESTIONS

What happens if the power goes off in the middle of a brew?

Once power is restored, you can use the **Select** button to move to the appropriate brewing stage, then **Start** it and use the Timer Up/Down buttons to adjust the times accordingly.

It seems to take a long time to heat to my required stage temperatures!

It's normal to take some time to reach your required temperatures because of the size of the volume of water and grain – ultimately this will depend on the size of the vessels and the power rating of your elements! It would not be unusual to expect it to take 1 minute to increase the temperature by 1-1.5°C. Other factors such as the ambient temperature, insulation jackets and whether you've kept the lid on the main vessel will also affect this.

Why don't you have an app for the 3V2P or remote monitoring?

We believe home brewing should be a hands-on process – part of the fun is sitting watching your brew develop! We want to aid the traditional homebrewer in providing a robust and repeatable brew day, letting them focus on the elements that matter such as recipe variation - rather than attempting to provide an interaction-free 'coffee machine' experience where you press a button and ready-made beer appears at the other end. We take care of the boring (but important) stuff like temperature regulation and recirculation, but everything else is at your control. The 3V2P is also designed for attended operation.

I don't need to define all 9 mashing stages in my recipe – what do I do?

If you don't need to use one of the Mash Stages in a recipe, just set its time to below 0 minutes - OFF will then be displayed. It'll be ignored when it comes to brewing time! You can use all 9 stages, just 1 stage, or any number in-between. If you set the stage time to 0 minutes, it'll heat up to the temperature specified, and will then immediately move to the next stage. Please note that Mash Stage 1 can't be set to off, but it can be set to 0 minutes.

I'd like to upgrade my EINBREW 3V2P system by fitting a bigger pump/cooler/element – can I do this?

EINBREW 3V2P is designed to be a modular controller, so it's easy to swap out things to give you more power where you need it! The only thing you have to ensure is that the power consumption of the new part doesn't exceed the levels specified in the Technical Specifications section of the User Instructions. The Cooling stage monitors temperature but does not directly power a chiller.

If I disconnect the power, will EINBREW 3V2P remember my settings?

Saved settings and the recipe normally survive an ordinary power cycle. A deliberate factory reset using **rST** returns the recipe and configuration to their defaults. The controller does not automatically resume an interrupted brewing stage, and changes made while a recipe was running may not have been saved.

I've noticed some damage on my EINBREW 3V2P system or power cable – should I keep using it?

No, disconnect it immediately (if safe to do so) and contact Support for assistance. Please ensure you inspect your system before every use.

I had an accident and spilled water/wort down the outside/inside of EINBREW 3V2P. What should I do?

Firstly, ensure that you disconnect EINBREW 3V2P's power supply immediately. EINBREW 3V2P is partially water resistant but not waterproof, so any liquid ingress could be dangerous. We would strongly recommend contacting support before using the controller again – it may be necessary to return it for inspection. We would also reiterate that EINBREW 3V2P must be used in conjunction with a suitable RCD/GFCI/RCBO device for safety reasons.

I get a strong electrical shock when touching EINBREW 3V2P. Is this normal?

No, this should not occur. Please disconnect EINBREW 3V2P immediately and contact Support. Occasionally in household environments you may encounter a static electrical discharge when touching an earthed metal object (e.g. like a radiator, and EINBREW 3V2P), however anything beyond this is abnormal.

My Wort Temperature is 0.1C higher/lower than it should be – how do I fix this?

A 0.1°C difference from the setpoint is normal during temperature control. Liquid temperature can vary with mixing and heater cycling. If a larger difference persists, compare readings at the same location with a suitable reference before adjusting Probe Offset. This is also well within the measurement error of the temperature sensor.

The Temperature displayed doesn't match what my Themapen/Thermometer/Measurement Device shows?

It's normal that there will be variation in temperature readings – firstly because of the different measurement point and secondly because of the different specifications of each measurement probe – each will have an absolute and relative error that will cause variations in readings. If this bothers you, you can adjust the **Probe Offset** value in **Settings** so that they match, however it's more likely that the precision PT100 probes our controller utilises will be the most accurate values available.

Why does the Pump turn itself off during boil?

On fresh or factory-reset settings, **Maximum Pump Temperature** protection is enabled for both pumps and each limit is **93°C**. The controller compares each pump's saved limit with the **highest reading from HLT, MT and BK**, rather than measuring the pump itself. At or above that limit it stops the pump or prevents it from starting. Check the Maximum Pump 1 Temperature and Maximum Pump 2 Temperature settings in the Configuration Menu, and the corresponding enable options in Maintenance. Existing saved values may differ from the defaults.

If I turn on a pump, the other one automatically turns off?

You may have enabled **Pump Exclusion** in the Configuration Menu. If this is enabled, when you turn on a pump, it will automatically turn off the other pump if it is active (e.g. if P1 is on, turning on P2, automatically turns P1 off).

Why won't my Pump turn itself on when I press the button?

Hold P1 or P2 for approximately one second; a brief press will not activate the pump. Then check the pump connection and saved Maximum Pump Temperature settings. A pump is blocked if the highest of the three vessel readings is at or above its enabled limit. If that pump's Pump Ventilation setting is enabled, its output pulses on and off before steady running; the red P1/P2 indicator follows those pulses. An illuminated indicator shows that the output is commanded on, not that liquid is flowing. Check the pump is primed and the flow path is open. **Pump Exclusion** turns off the other pump; it does not by itself block the selected one.

Why does BK power change to P00 when I start either pump during boil?

If temperature protection permits the selected pump to start and its startup ventilation is enabled, the controller pulses that pump and sets BK heating power to 0%. After the pump settles into steady running, P00 remains until you raise BK power with BK Up; heating should then resume while the pump stays on. Do not hold Set at P00 because that saves P00 as the future boil-power preset. Grain Rests and Mashing Pump settings do NOT control this startup behaviour.

Is it necessary to use Grain Rests during the mash stages?

No. **Grain Rests** can be switched off in the Configuration Menu. If enabled, the default rest lasts **1 minute** and the default interval is **5 minutes**; the Grain Rest Length and Grain Rest Period settings adjust these values. Grain rests pause the selected mashing pump during the Mashing stage. They are separate from startup pump ventilation.

I don't get Grain Rests happening while I'm mashing!

Check that **Grain Rests** is enabled and **Mashing Pump** selects the pump you are using. The selected pump must be running in the Mashing stage; a rest is scheduled after the Grain Rest Period interval has elapsed. The controller may defer a rest near the mash setpoint, depending on Grain Rest Inhibition. On fresh settings, Grain Rest Length is 1 minute and Grain Rest Period is 5 minutes.

Why is pump ventilation necessary?

Pump Ventilation pulses a pump at startup to help clear trapped air. It occurs when that pump's **Pump Ventilation setting** is enabled; each option is enabled on fresh settings. The red P1/P2 indicator follows the pump output as it switches on and off, then remains on if the pump runs steadily. The Pump 1 and Pump 2 Ventilation settings in Maintenance control ON time, OFF time and the cycle count. A lamp cannot confirm that the pump is primed or that liquid is flowing.

Where should I mount the 3V2P?

EINBREW 3V2P is designed to be wall mounted vertically. Normally you'd place it so that you can see and use it comfortably. Other positions are not recommended.

Can I go and do something else while I'm waiting for the EINBREW 3V2P to finish?

No, EINBREW 3V2P controller is designed for attended usage only. You should supervise the system while it's operating for safety (although it's highly unlikely you'd ever experience any issues!). Ultimately the risk of running unattended will depend on how you have designed and configured your brewing system.

Is there a way to configure Recipe Values faster?

In applicable time and temperature recipe fields, if you press and hold the **Down** button it'll set the current parameter to the lowest permitted value, and if you press and hold the **Up** button it'll set it to the highest permitted value.

When I'm heating for boil, it isn't detected or is detected early!

The EINBREW 3V2P detects boil by analysing the change in temperature values as it reaches peak boil temperature – whilst it wouldn't normally be the case, if you remove the lid or add water to the system you could get a false positive detection. If this is the case, increase the boil power until it reaches the desired boil point, then back it off again.

If boil is not detected during preheat, press and hold the **Set** button to bypass Boil Detection. This starts timed Boil mode and lets you control Boil Control Power directly. During timed Boil, holding **Set** instead saves the current power as the preset for future boils.

How do I get into the Settings menu?

Ensure the system is stopped, press the **Select** button to move to the HLT stage, then press **Set**. See the User Instructions for more information.

Can I run more than one stage at a time?

Due to the incoming power limitations in the 3V2P, only one element can be operated at a time, so two brews cannot run simultaneously. Please check our sister products for controllers that will be able to do

this, although dedicated electrical installation will be required. Otherwise you'd need additional controllers to run the extra elements.

Do I have to run through each stage in order?

No – you can start a boil immediately if you like! Just press the **Select** button to move to where you'd like to be, and press and hold **Start**.

You can also move forward to a later Mash Stage using the **Set** button, and that will be used as the starting point when you begin the Mash Stages.

Does the Cooling Stage actually cool my wort for me?

The Cooling Stage provides temperature monitoring and a timer while you cool, however there's no ability to control the cooling system directly. You can of course connect your pump output to a pump that will circulate liquid around e.g. a counterflow chiller, plate chiller, etc.

Is there a Cleaning Cycle that can be run on the controller?

If you'd like to heat up water for cleaning purposes, we recommend running the HLT Stage to reach a chosen temperature, or the Boil Kettle Stage when boiling is required.

I have to manually start the Mash and Boil stages, they don't start happening automatically – is something wrong?

No, this is how it's meant to be! In-between the stages you'll likely need to carry out operations like adding/removing grain, altering pump flows, etc. so we leave it up to you to decide when to start the next stage of the brewing process. At the end of a stage, just press the **Select** button and hold **Start** to move forward and recommence brewing.

I already have PT100 probes in my brewing system. Can I use them?

The 3V2P uses PT100 temperature probes, however, please contact EINBREW Support to confirm compatibility before connecting probes that were not supplied with the controller. Wiring and performance can differ.

What warranty applies to the 3V2P?

The controller has a limited lifetime warranty for its original purchaser. Lifetime ends seven years after Acksen Ltd discontinues manufacturing the product, but the warranty lasts at least ten years from purchase. See the User Instructions for the exclusions and return guidance.