

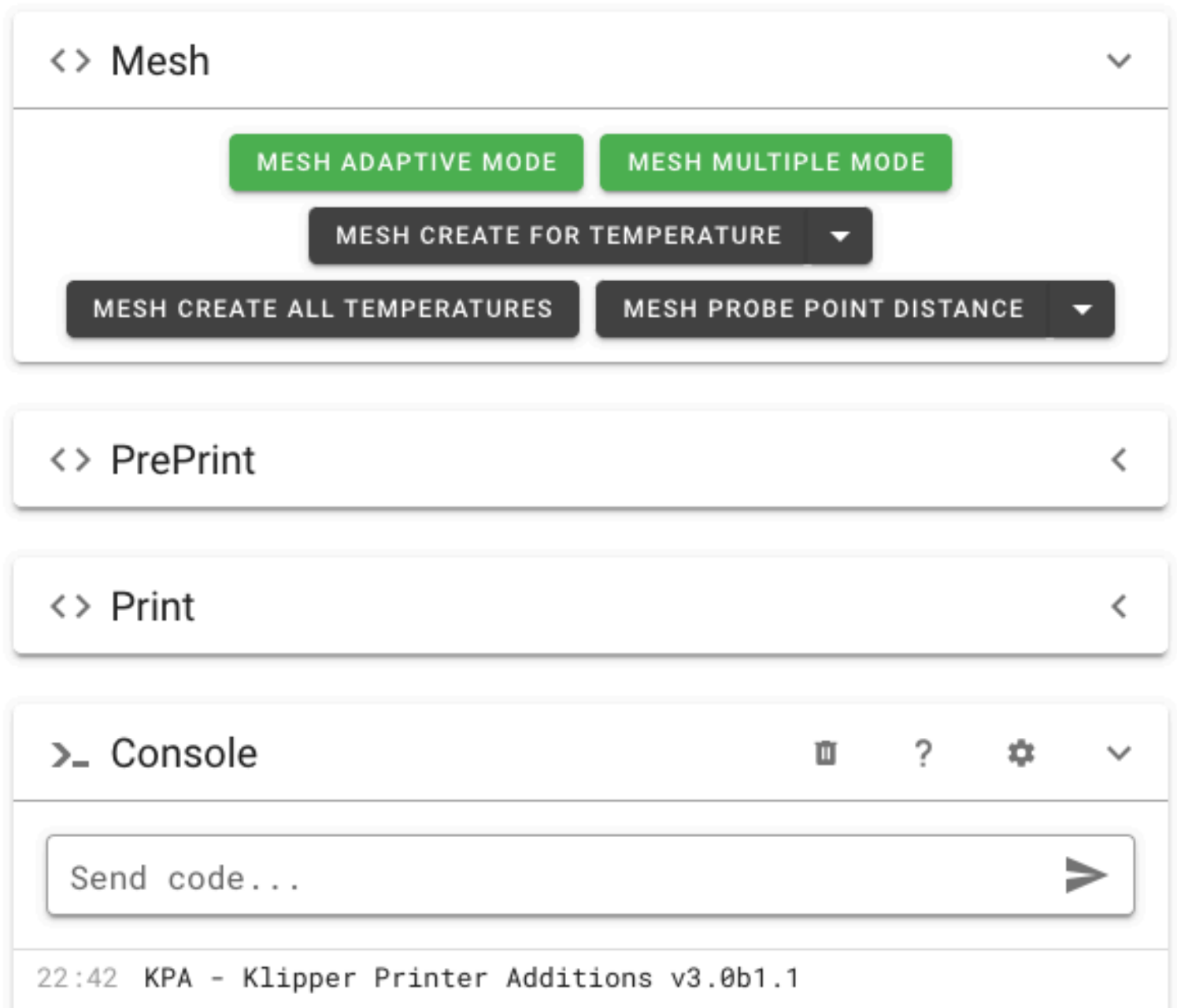
Frequently Asked Questions

•Q: How do I use the KPA (Klipper Printer Additions)?

•A: In Mainsail / fluidd, click a button, and the button will [show it's current status / infos / help](#) in the console.

[Click a second time](#) within 5 seconds and the button [will do something](#) (ie toggles thru options, executes something, depending on the button).

The buttons sort themself by their naming, but I still recommend to organize the buttons in Mainsail / fluidd into Macro-Categories. Not only it looks much nicer and cleaner, but you can also collapse categories you currently don't need:



In the **Button Organization Guide** are example pictures, and Setup-Guides for Mainsail and fluidd.

•Q: **Can the KPA brick my printer?**

•A: Absolutely not. They don't change the system or any components at all.

•A: If you believe something else is caused by the KPA, you can easily disable the entire KPA by out-commenting the one KPA text line in the printer.cfg file (see Setup Guide).

Everything will be **factory state** then. The KPA are so designed that you **don't** have to fiddle around with parameter values and config files, so you can't mess up things.

•Q: **I get some error on startup, after installing the Additions.**

•Q: **I don't see any change after installing the Additions.**

•A: When you start your printer you will see in Mainsail / fluidd a message of which module the Printer Additions have loaded.

If not, make sure to follow the Setup Guide for Starters closely.

```
21:30 Klipper Printer Additions v2.7
```

```
USING THE KPA BUTTONS
```

- First click: Shows the Button's Status in the Console.
- Further clicks within 5 seconds: Change Mode, or other Actions.

```
Module loaded:
```

```
-----
```

```
Bed Mesh Area
```

```
Bed Mesh Multiple
```

```
Pre-Print
```

```
Pre-Print Prime
```

```
Print : Pause In Heights v1.0b1
```

```
Print : Slow In Height v1.0b3
```

```
Slicer: OrcaSlicer
```

```
Tools : Calibration / Preparation 1.0b1
```

```
----- PRINTER Modules -----
```

```
Sovol SV07 CPU Fans v1.0b3
```

```
Sovol SV07 Extra Features
```

```
Sovol SV07 Hotend Fan 1.0b2
```

```
Sovol SV07 Part Fans
```

```
Always only enable PRINTER modules which are for your  
printer model!
```

•Q: **It seems my printer's behavior did not change after installing the Additions?**

•A: Make sure to enable the desired printer module for your printer.

•A: Make sure to **NOT** enable a printer module which isn't for your printer!

•Q: **After enabling a KPA Module it seems nothing changed?**

•A: Most modules have buttons to chose their options. If you're in "Expert" mode in Mainsail, you have to add the new buttons to a macro-group to see them. Please see the guide "How to organize the buttons".

•Q: **The button names are a bit strange, aren't they?**

•A: They follow a Yoda-kind naming style: Main topic --> Sub Topic --> Action or Option.

This way the buttons sort themself in a logical manner, and it's easy to keep the overview.

It also makes inserting them into categories in Mainsail / fluidd much easier, as there is never the question "Is in the list somewhere some other button that has to do with XYZ?"...

Printer Additions using you will. ;-)

•Q: **I do not understand what a button does.**

•A: Since **version 2.5** the buttons also **show their state and/or infos on the first click**. On the **second click** they actually do something.

•Q: **If I click a button to change an option, do I have to do that before every print?**

•A: No, your choices are instantly saved, also between printer-restarts.

There are a few exceptions, like the values for the "Print Slow In Height" feature, where it doesn't make sense to keep them in the preferences (to re-use those values, see the ReadMe).

•Q: **I get often**

"Probe samples exceed tolerance. Retrying...", why?

•A: The extruder cannot move freely in the Z direction. Check that the filament is not under tension and can slide easily into the extruder.

•A: Another source of error is a cable holder that exerts a pulling force on the extruder (e.g. a rubber band).

•Q: **What about the height of the first layer? Can the KPA adjust the z-level?**

•A: While it is sometimes stated, even by experts, that you need to re-adjust your z-level if you want to print with another **first layer height**, this is not true.

The z-offset value **describes*** (not measures!) nothing more than the distance between the point where the probe triggers, and the tip of the nozzle (it is set by the "paper test"-calibration).

From there everything is calculated, and if you set a different first layer height in your slicer, Klipper will just **calculate the in-/decrease** of height from the z-offset value.

Therefore it is usually not necessary to adjust the z-level by macros, **just set in in your slicer**.

* The "z-level" value is no "real" value since the paper test is no measurement of distance. Therefore if you command the slicer to print a first layer of 0.20 that might be a real distance of 0.15 or 0.25 or whatever. The "z-level" is only a fixed point from the view of all g-code commands, but what the z-level really is decides the paper test, and any adjustments after.

•Q: **How much RAM do the KPA use?**

•A: Very little, about 10-20MB.

•Q: **How much CPU power do the KPA need?**

•A: Almost none. Nothing complicated is executed, and they are mostly active during the pre-print phase. And the amount of commands / data the KPA send is nothing compared to what the CPU / MCU processes during the print.

•Q: **What about the "OrcaSlicer Config Files for SV07"?**

•A: I have separated my OrcaSlicer support for the SV07 from the Klipper Printer Additions. Download: [CV's OrcaSlicer Presets for Sovol SV07 / SV06](#)

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Thank you!

Christian 😊