*QUICK START GUIDE*

# LGX® lite PRO and Magnum+ on the Anycubic Vyper

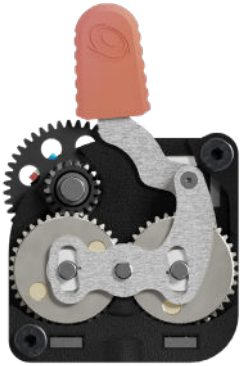

BONDTECH

## LEVER POSITIONS

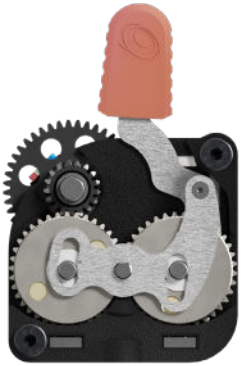
The different lever positions of the LGX Lite PRO allows for flexibility when using different kinds of filaments and for loading and unloading. Below we have outlined the intended use of these different positions.

**Position 0**
Load or unload filament without pressure from the drivegears.

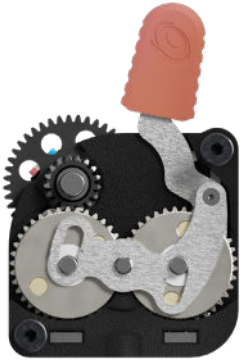
**Position 1**
For rigid materials.



**Position 2**
For harder rigid materials, when you need more grip. Or for semi-flexibles >95A.



**Position 3**
For flexible materials softer than 95A.

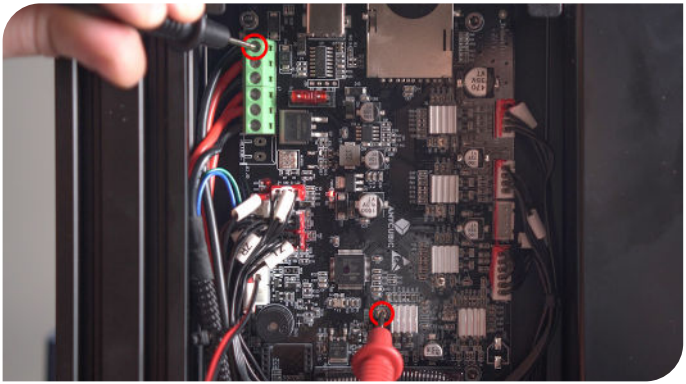


**Position 4**
For very flexible materials softer than 85A.

## MACHINE CONFIGURATION

For the LGX Lite PRO to work on the Anycubic Vyper you need to adjust a couple of settings regarding the extruder

| **VREF** | **E steps/mm** |
|---|---|
| 0.900 volts<br>This is measured between the driver trimpot and PSU ground.<br>The factory value is 1.25 volts. | 800<br>This is set by using the *Settings.gcode* file or with the following gcode sent in pronterface:<br>M92 E800 ; set esteps<br>M500 ; save esteps |



Tuning the VREF

## KLIPPER CONFIGURATION

Below we have listed the common Klipper parameters for use with Creality Sonic pad or similar setups.

**rotation_distance**

3.99

This is set in your [extruder] section in your cfg in Klipper

```
rotation_distance: 3.99
#gear_ratio: #not used
```

## DOWNLOADS

We recommend using our tuned profiles for high quality and reliability.
You can download these profiles for PrusaSlicer here:

| | |
|---|---|
| *Anycubic_Vyper_Bondtech-PLA.ini.zip* | PLA with LGX Lite PRO |
| *lgx-lite-pro-16.gcode* | For setting esteps |

## SLICER CONFIGURATION

When using the factory profiles, change the retraction parameters. For larger nozzles than 0.40 mm you may need to add length to this.

**0.4mm nozzle** 35 mm/s, 0.5 mm length

**0.6mm nozzle** 35 mm/s, 0.7 mm length

## TAKE GOOD CARE OF IT

Every 6 months, or sooner if you have a higher than 15h per week average usage, perform the following maintenance operations:

1. With a tooth brush and alcohol:
   a. Clean the double gear and the drive gears
   b. Clean the needle bearings
2. With a fine brush and lubricant
   a. Lubricate the needle bearings
3. With compressed air
   a. Blow the housing plastic parts to remove dust and dirt particles

## HOW TO GET HELP

We are available to help you with any questions or issues you may have. Simply go to our website where you can access our customer support and send us your questions or follow the provided link:

*https://www.bondtech.se/contact/#tab_technical-support-requests*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