LGX® lite V2 on the Anycubic Vyper

BOND TECH

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LEVER POSITIONS

The different lever positions of the LGX lite V2 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 semi-flexible or flexible materials

MACHINE CONFIGURATION

For the LGX lite V2 to work on the Anycubic Vyper you need to adjust a couple of settings regarding the extruder system.

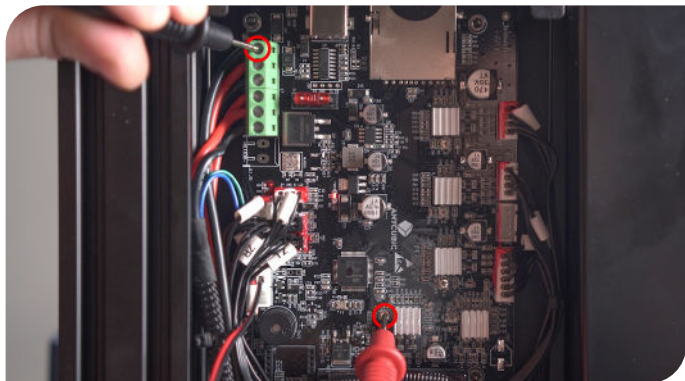| VREF	E steps/mm
0.900 volts	562
This is measured between the driver trimpot and PSU ground.	This is set by using the *Settings.gcode* file or with the following gcode sent in pronterface:
The factory value is 1.25 volts.	M92 E562 ; set esteps M500 ; save esteps

Tuning the VREF

KLIPPER CONFIGURATION

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

rotation_distance

5.7

This is set in your [extruder] section in your cfg in Klipper
   rotation_distance: 5.7
   #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

lgx-lite-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 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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