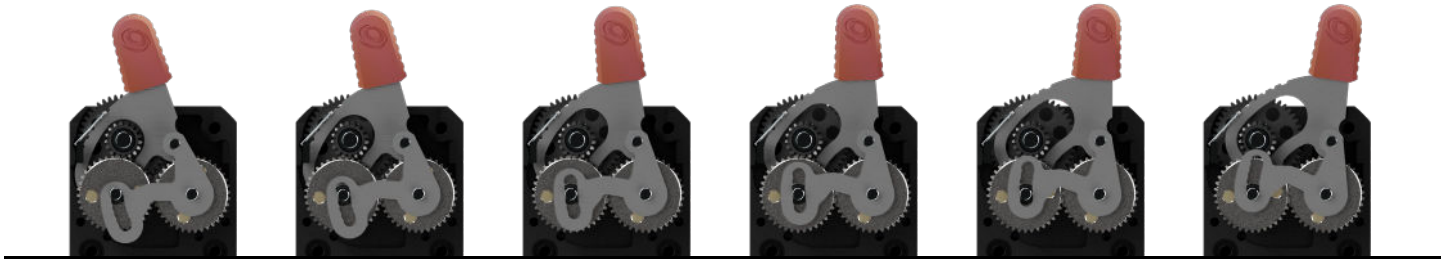
QUICK START GUIDE

LGX® ACE on the Anycubic Kobra

BONDTECH

LEVER POSITIONS

The different lever positions of the LGX 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.
Shore hardness of ~95A or when you need more grip on rigid materials.

Position 3
For flexible materials.
Shore hardness between 85 and 95A.

Position 4
For soft materials.
Shore hardness between 75 and 85A.

Position 5
For very soft materials.
Shore hardness between 60 and 75A.

MACHINE CONFIGURATION

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

VREF

0.750 volts

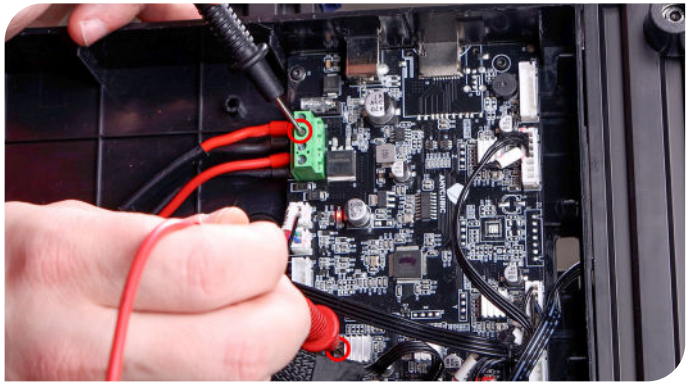
This is measured between the driver trimpot and PSU ground.

E steps/mm

410

This is set by using the *Settings.gcode* file or with the following gcode sent in pronterface:

M92 E410 ; 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

7.805

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

rotation_distance: 7.805
#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_Kobra_Bondtech-PLA.ini.zip PLA with LGX

lgx-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


BONDTECH
www.bondtech.se