

QUICK START GUIDE
**LGX® lite V2 on the
Creality Ender-7**



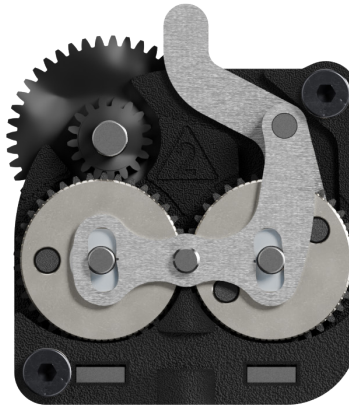
LEVER POSITIONS

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 Creality Ender-7 you need to adjust a couple of settings regarding the extruder system.

VREF

0.900 volts

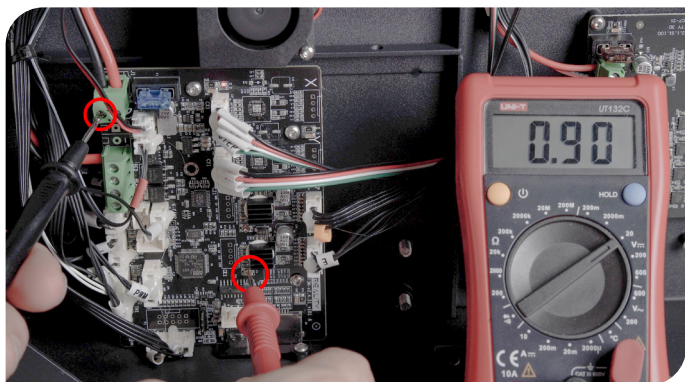
This is measured between the driver trimpot and PSU ground. The factory value is 1.25 volts.

E steps/mm

562

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

```
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 Cura here:

EXT-KIT-98-01.zip LGX lite

EXT-KIT-98-02.zip LGX lite & Mosquito

EXT-KIT-98-03.zip LGX lite & Mosquito Magnum

Settings.gcode For all of the kits above

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.

EXT-KIT-98-01 35 mm/s, 1 mm length

EXT-KIT-98-02 35 mm/s, 0.5 mm length

EXT-KIT-98-03 35 mm/s, 0.6 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

