

QUICK START GUIDE
**LGX® Lite Arrow for
Creality**

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 CR-6 SE, Max and CR-10 Smart you need to adjust a couple of settings regarding the extruder system.

VREF

0.500-0.650 volts

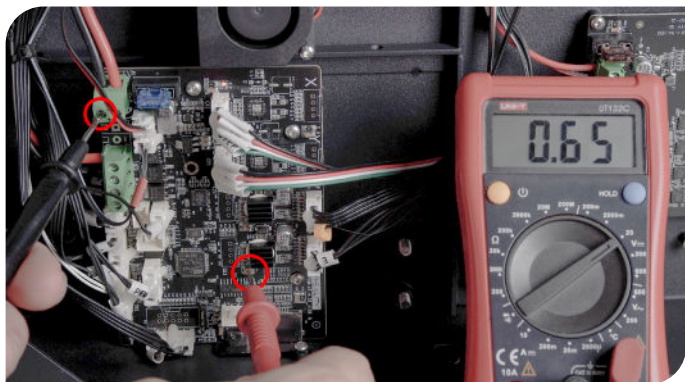
This is measured between the extruder stepper motor driver trimpot and PSU ground.

E steps/mm

562

This is set by adding the *lgx-16.gcode* to storage media for your printer and run it like any print, or with the following gcode sent in pronterface:

M92 E562 ; set esteps



Tuning the VREF, an example.

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 profile for high quality and reliability. You can download this profile for PrusaSlicer here:

[Prusa Slicer PLA for CR-6 SE.zip](#)

Print profile

[lgx-16.gcode](#)

Setting e steps/mm

SLICER CONFIGURATION

When using the factory profiles, change the retraction parameters. For larger nozzles than 0.60 mm you will need to add length to this.

0.4mm nozzle 35 mm/s, 0.7 mm length

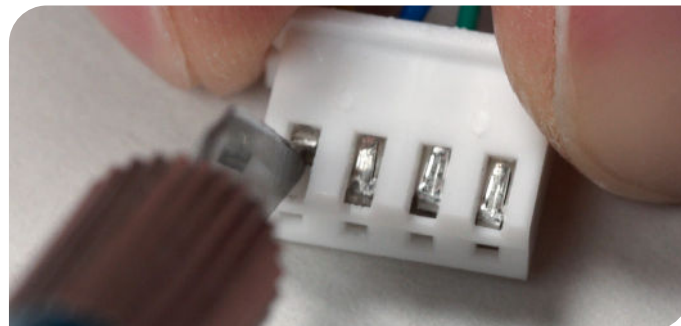
0.6mm nozzle 35 mm/s, 0.9 mm length

REVERSING THE MOTOR DIRECTION

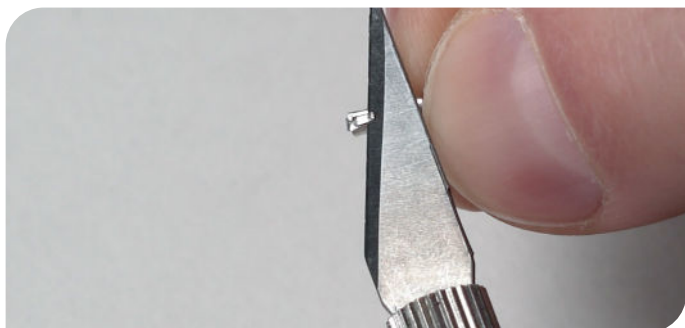
By default, the motor will turn the wrong way. This can easily be fixed by swapping the blue and yellow wires on the motor connector. Follow these steps for a quick way of doing this.



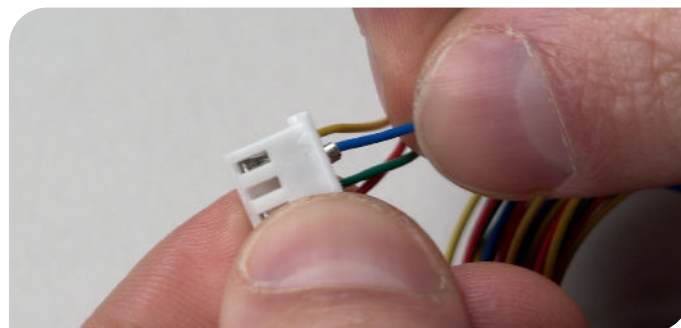
- Press down and forward on the tine with something small and sharp.



- Press forward on the crimp terminal



- Lift the crimp terminal tine up a bit, in order for it to stay in place



- Reinsert the two terminals in a reversed order

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

