

QUICK START GUIDE
LGX® Lite PRO
on Creality K1

CREALITY
POWERED BY
BONDTECH

QUICK START GUIDE

Read this Quick Start Guide for proper extruder installation.

QUICK START GUIDE

Each LGX Lite PRO for K1 upgrade kit is supplied with:

- 1x LGX (Large Gears eXtruder) Lite Pro
- 1x LGX Lite PRO Accessories for Creality K1 K1C
 - 1x LGX Lite PRO X-Carriage for Creality K1/Max
 - 1x LGX Lite XHP-4 to Micro 4-PIN Adapter Cable
 - 1x Creality K1/Max X-Carriage Belt Retainer Right
 - 1x Creality K1/Max X-Carriage Belt Retainer Left
 - 1x Hardware Accessories for Creality K1/Max
 - 2x X-Rod for Creality K1 302.5mm
 - 1x X-Rods Holder for Creality K1/Max Left
 - 1x X-Rods Holder for Creality K1/Max Right



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.

KLIPPER CONFIGURATION

Below we have listed the common Klipper parameters for LGX Lite PRO

rotation_distance

3.99

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

```
rotation_distance: 3.99
```

```
#gear_ratio: #not used
```

```
run_current: 0.6
```

```
#hold_current: #not used
```



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

DOWNLOADS

We recommend using our tuned profiles for high quality and reliability. You can download profiles for respective printers in OrcaSlicer here:

bondtech_k1_0-4_nozzle.orca_printer Print profile

bondtech_k1c_0-4_nozzle.orca_printer Print profile

bondtech_k1max_0-4_nozzle.orca_printer Print profile

Make sure to configure your printer for Orca before importing a profile

ROOTING THE K1 RANGE

For the upgrade to work properly, use this guide by Guilouz as an aid for how to root your printer and install the necessary components for this upgrade to work properly.

<https://guilouz.github.io/Creality-Helper-Script-Wiki/>

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

