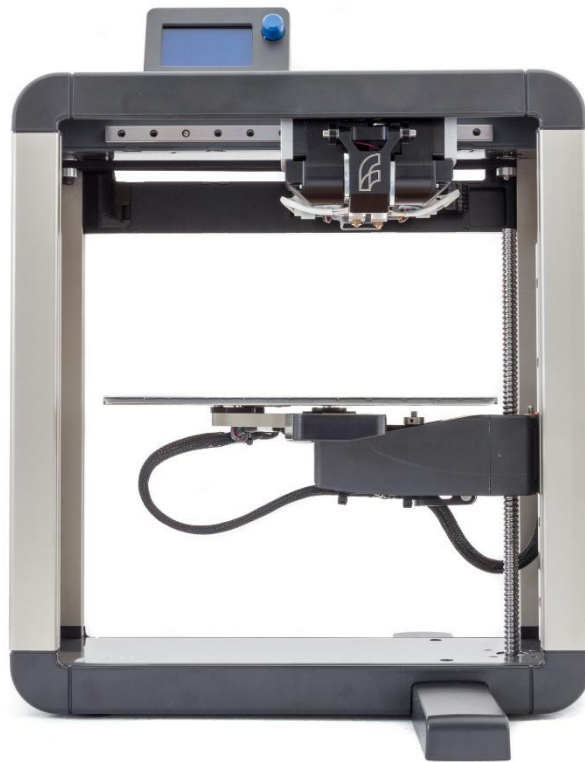


How to create low temp firmware.

FELIX PRO series

5 September
2018

Revision 1



1 Introduction

This short how-to will describe how to adjust the printer firmware for low temperature printing of special materials.

Below are the steps to follow.

1. Download and install Arduino 1.8.1 or newer
2. Download the source firmware from the download section of our website.
3. Open the **repetier.ino** file
4. Navigate to the **configuration.h** file.

Change the following parameters to alter temperatures If you have a low temperature filament which extrudes at about 80degC, you can change the temperatures lower than that. As a starting point use 50degC. Change the following parameters.

- a. `#define EXT0_PREHEAT_TEMP 50`
- b. `#define EXT0_WAIT_RETRACT_TEMP 50`
- c. `#define EXT1_PREHEAT_TEMP 50`
- d. `#define EXT1_WAIT_RETRACT_TEMP 50`
- e. `#define MIN_EXTRUDER_TEMP 50`
- f. `#define ZHOME_MIN_TEMPERATURE 185`
- g. `#define Z_PROBE_MIN_TEMPERATURE 185`
- h. `#define UI_SET_MIN_EXTRUDER_TEMP 50`

5. Now follow the instructions on how to compile your own firmware