

# RF1000\_basic\_settings

Renkforce RF1000 HowTo and Basic Settings

## Anleitung zum 3D Druck auf Renkforce RF1000

### Vorbereitungen

1. [Download](#) Repetier Host Software.
2. Installation Repetier Host Software, für Windows gibt es einen Installer, für Linux folgende Befehle ausführen:

```
tar -xzf repetierHostLinux_1_03.tgz
cd RepetierHost
sh configureFirst.sh
```

1. Konfiguration Repetier Host Software, dazu Programm Repetier Host öffnen und auf den Button Printer Settings klicken. Dort dann die entsprechenden Reiter nach den Screenshots einstellen:

Reiter "Printer":

Printer Settings

Printer: **rf1000 3d**

Connection | Printer | Extruder | Printer Shape | Advanced

Travel Feed Rate: **4800** [mm/min]

Z-Axis Feed Rate: **2000** [mm/min]

Manual Extrusion Speed: **2** [mm/s]

Manual Retraction Speed: **30** [mm/s]

Default Extruder Temperature: **230** °C

Default Heated Bed Temperature: **70** °C

☒ Check Extruder & Bed Temperature

☐ Remove temperature requests from Log

Check every 3 seconds. **3**

Park Position: X: **0** Y: **0** Z min: **0** [mm]

☒ Send ETA to printer display ☐ Go to Park Position after Job/Kill

☒ Disable Extruder after Job/Kill ☒ Disable Heated Bed after Job/Kill

☒ Disable Motors after Job/Kill ☒ Printer has SD card

Add to comp. Printing Time **8** [%]

Invert Direction in Controls for ☐ X-Axis ☐ Y-Axis ☐ Z-Axis

OK Apply Cancel

Reiter "Extruder":

**Printer Settings**

Printer: rf1000 3d

Connection | Printer | **Extruder** | Printer Shape | Advanced

Number of Extruder: 1

Max. Extruder Temperature: 280

Max. Bed Temperature: 120

Max. Volume per second: 12 [mm³/s]

☐ Printer has a Mixing Extruder (one nozzle for all colors)

Extruder 1

Name:

Diameter: 0.4 [mm] Temperature Offset: 0 [°C]

Color:

Offset X: 0 Offset Y: 0 [mm]

OK Apply Cancel

## Reiter "Printer Shape":

**Printer Settings**

Printer: rf1000 3d

Connection | Printer | Extruder | **Printer Shape** | Advanced

Printer Type: Classic Printer

Home X: Min Home Y: Min Home Z: Min

X Min: 0 X Max: 245 Bed Left: 0

Y Min: 0 Y Max: 245 Bed Front: 0

Print Area Width: 245 mm

Print Area Depth: 245 mm

Print Area Height: 200 mm

The min and max values define the possible range of extruder coordinates. These coordinates can be negative and outside the print bed. Bed left/front define the coordinates where the printed itself starts. By changing the min/max values you can even move the origin in the center of the print bed, if supported by firmware.

Y Max

E

OK Apply Cancel

## 2. [Download](#) Slicer Software: "Slic3r"

3. Installation Slic3r Software. Anleitungen dazu finden sich auf der Dwonload Seite von Schritt 4.

4. Konfiguration Slic3r Software, dazu Programm Repetier Host öffnen, den Reiter "Slicer" wählen und auf den Button "Manager" klicken. Hier dann nach dem Screenshot einstellen:

## Fenster "Slicer Manager":

**Slicer Manager**

Slicer Configurations

- Slic3r
- curaengine

Slicer: Slic3r

Name: Add Slicer

Setup

**Slic3r** Delete

Configuration: slic3r

Slic3r Configuration Directory: [path] Browse...

Leave blank to use guessed location.

Slic3r Executable: [path] Browse...

Leave blank to use the bundled or system version.

Slic3r Version: 1.1 or higher

With these settings, you are able to use different versions of Slic3r. You can get new versions from <http://www.slic3r.org>. The minimum version required is 0.9.0. Leave all fields blank to simply use the bundled version.

☐ Show Plater inside Slic3r

Apply Reset

5. Fenster "Slicer Manager" schliessen und auf Button "Configuration" klicken. Dann öffnet sich das Fenster "Slic3r", dort auf File->Load Config gehen und dort [RF1000 PLA 200.ini](#) laden.
6. Geladene Config speichern, dazu muss jeder Reiter 2,3,4 (Print Settings, Filament Settings, Printer Settings) angewählt werden und dort mit dem Diskettensymbol gespeichert werden.