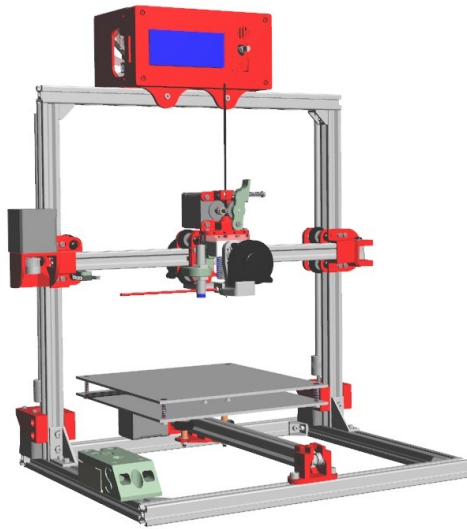


Scalar S – Build instruction



Scalar S

Here is all the build instruction and the illustrated assembly manual for Scalar S 3D printer.

Safety Notice

Requirements :

1. [Tools](#)
2. [Extrusion profile comparison](#)

PDF 3D

PDF 3D are link to this documentation and should allow you to better understand the build process.

For more details on how to use them, please [read the PDF 3D instructions](#)

Notice de montage

1. [Building the chassis](#)
2. [Y Axis rail assembly \(heatbed\)](#)

3. [Y Axis Assembly](#)
4. [Belt installation on Y Axis](#)
5. [Z Axis Strong jaws assembly](#)
6. [X Axis Assembly](#)
7. [Belt installation on X Axis](#)
8. [E3D V6 Installation on X Axis carriage](#)
9. [PTFE liner installation on E3D Lite hot end](#)
10. [Direct Drive assembly](#)
11. [Aluminium Spool holder assembly](#)
12. [Electronic box installation on the chassis](#)
13. [Electronic Wiring](#)

[Scalar S PDF 3D](#)

First steps

1. [First use Cautions](#)
2. [Installing 3D printer filament \(Bowden version\)](#)
3. [Extruder Calibration](#)
4. [Commissioning your 3D printer \(with LCD screen\)](#)
5. [Zoffset calibration without LCD screen](#)
6. [First steps with Cura](#)
7. [What is the best « Layer height » for your 3D printer](#)
8. [Upgrading/Updating your firmware \(Version 1.1.8 Available 11/08/2018\)](#)
9. [Need some Help ? Read the FAQ](#)

Pre-Built parts assembly guide

1. [E3DV6 hot end assembly \(old version\)](#)
2. [Aluminium heatbed preparation](#)

Calibration

1. [How to improve / Fix Z Wobble](#)

Additional resources

1. [Play Music at the end of your prints](#)
2. [ATX power supply conversion for 3D printer](#)
3. [Inductor sensor wiring \(12V version\)](#)

upgrades :

- [Heat bed 250W, 220V](#)
- [Raspberry pi + Octoprint](#)
- [TFT 2.8" Touch screen](#)
- [BLTouch](#)
- [Titan Extruder](#)
- [Power supply auto shutdown module \(PS_ON\)](#)
- [Dual extrusion kit](#)
- [Runout Sensor module](#)
- [High temperature PT100 Module](#)