



Tiny Machines 3D Customer,

Thank you for choosing us for your 3D Printer needs. Please find the SD card (located in a small box) and look over the contents first. There, you will find a digital copy of the user manual for the specific printer you purchased, applicable drivers, slicer profiles and test print (.GCODE) files. The user manual will aid you in assembling the 3D Printer (assembly video included) but you may have some other questions. Below, you will find some additional resources to go along with your new machine. This page can also be found by going to www.tinymachines3d.com and clicking the Resources button at the top of the page.

The topics below apply to the following machines:

- **Ender 3 V2**

[CHEP](#) is one of our favorite youtube creators and Chuck has a lot of great videos related to your machine! Our firmware is made to look and feel like factory with all features functioning properly.

Topics frequently inquired about:

- **Thermal Runaway?**

- Yes, absolutely! This has been a priority of ours since the feature was available!

- **Power-Loss Recovery?**

- Yes, it is available on your machine but by default, it may be turned OFF. If you want to verify/ enable it, you can toggle it on by adding M413 S1 to the end of your starting script in your preferred slicer. More information

[HERE.](#)

- **Filament Runout**

- Yes, it is available on your machine but by default, it is turned off and not included. If you want to add one, contact us to order a sensor or confirm wiring and you can toggle it on by adding M412 S1 to the end of your starting script in your preferred slicer. More information [HERE.](#)

- **Leveling Assistance?**

- MANUAL** We are working on an integrated system for this but for now, you can use the TM_corner_level.gcode on the SD card. See [HERE](#) for a video guide.
- AUTO LEVEL** For BL Touch equipped machines, see [HERE](#) for a video guide

- **USB Connection?**

- You may have opted for us to include a longer USB cable. If not, you can use a MINI-USB cable. When needed, you will use this for diagnostics or connecting to a raspberry pi to use Octoprint.

- **Firmware will be updated via SD Card**

- **Firmware improvements over Creality**

- Please note that this machine is very new. If you notice a bug, please report it to support@tinymachines3d.com with the subject line "Ender 3 V2 bug report." Then provide pictures, video and a brief explanation.

- ★ Updated to latest stable version of Marlin
- ★ Power Loss Resume and Filament Runout enabled but turned off by default
- ★ Live movement from Motion> Move (if position is unknown, Move Z will force Auto home)
- ★ Live adjustment of Z Offset (Only adjust this at Z0. You can Auto Home then Move Z to 0 before checking)
- ★ Support long file names (limit 60 characters; don't push that limit, folks. Longer names use more RAM)
- ★ HS Speed mode enabled for BL Touch (Probing is fast so G29 can be used)

For the most current version of this guide, visit

<https://docs.google.com/document/d/1uUkShoUOgMCgdb5kXodF8gU3QqZ8H3sklfu9HusHH98/edit?usp=sharing>

As always, email us at support@tinymachines3d.com with any questions