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Cetus3D
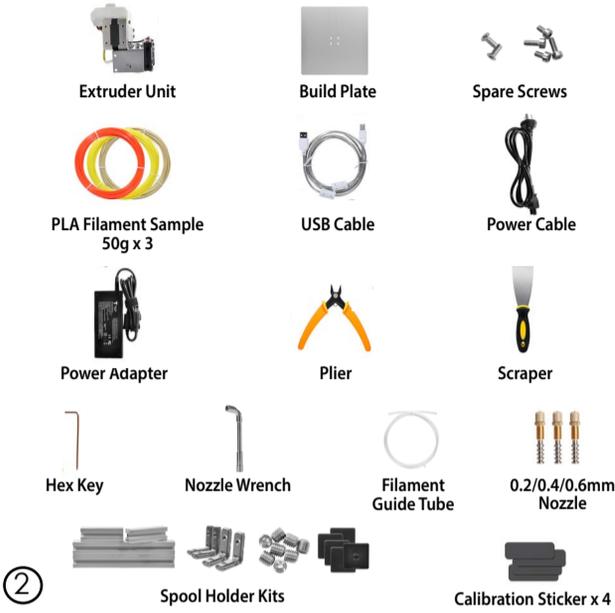# Quick Start Guide

For more information, please refer to **www.cetus3d.com**

- Y-Axis
- Z-Axis
- Extruder Unit
- X-Axis
- Build Platform
- USB Connector
- Power Connector
- Power Switch
- Main Seat

①

Parts

- Extruder Unit
- Build Plate
- Spare Screws
- PLA Filament Sample 50g x 3
- USB Cable
- Power Cable
- Power Adapter
- Plier
- Scraper
- Hex Key
- Nozzle Wrench
- Filament Guide Tube
- 0.2/0.4/0.6mm Nozzle
- Spool Holder Kits
- Calibration Sticker x 4

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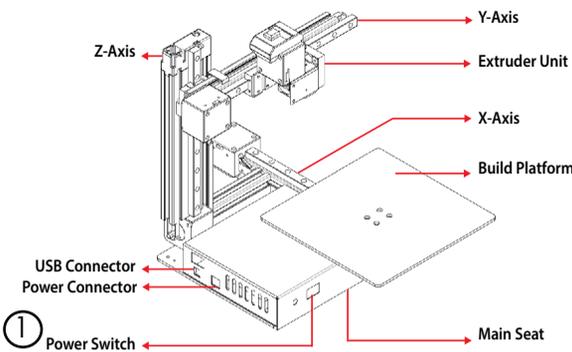
1. Install the Axis Assembly to the Main Seat
❶ Plug the short plug into the socket on the Z-Axis.
❷ Mount the Axis Assembly to the Main Seat with included screws.
❸ Plug the long plug into the socket on the Y-Axis.

- Z-Axis
- Y-Axis
- Long Plug
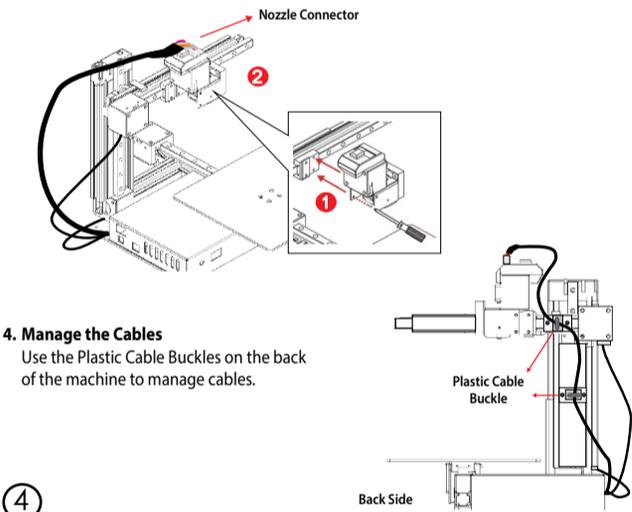- Short Plug
- X-Axis
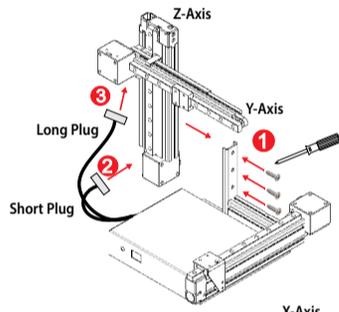
2. Install Build Platform
❶ Place the Build Platform on the Main Seat and align the three screw holes.
❷ Lock the screws.
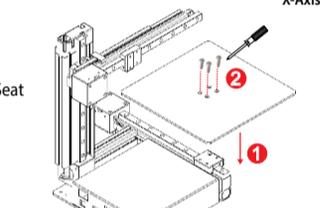
Note: *(1) The device is pre-leveled in factory. There is no need to level the build plate.*
*(2) It is only need to install three screws. Do not remove the top right screws.*

③

3. Install the Extruder Head to the Y Axis
❶ Mount the Extruder Unit on the Y-Axis with 2 screws provided on the linear bearing.
❷ Connect the Extruder Connector to the Extruder Unit.

- Nozzle Connector

4. Manage the Cables
Use the Plastic Cable Buckles on the back of the machine to manage cables.

- Plastic Cable Buckle
- Back Side

④

INITIALIZE PRINTER
Long press the front button to initialized the printer, the 3 axes of the printer will move to endpoint and stop.
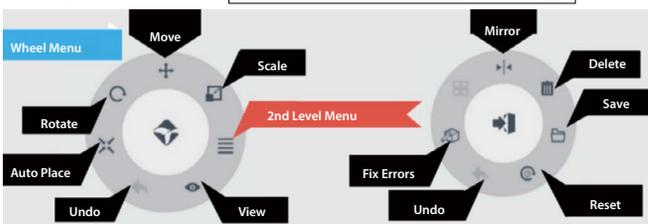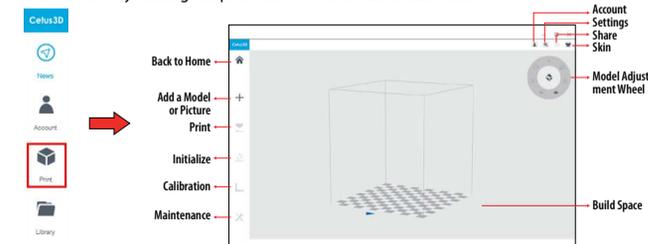

- Initialization Button
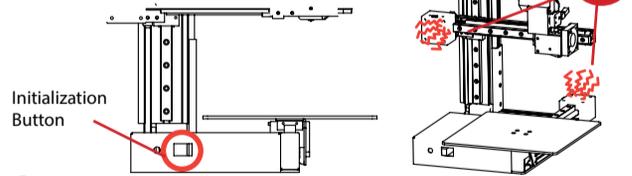
⚠️ Although the printer is pre-calibrated in factory. There is a chance that one or more axis cannot find their endpoints due to slight physical expansion/shrinkage of aixs during shipping. This will result in axis hitting the endpoint continuously and produce a clunky noise. To re-calibrate the X and Y axis, first turn off the machine, then stick the calibration sticker on the stepper motor at indicated location below (if there is already a sticker, then remove it). For Z axis, use a screw drive to turn the adjustment screw at 1/4 turn steps on either direction.

- X-Axis
- Z-Axis
- Y-Axis

⑤
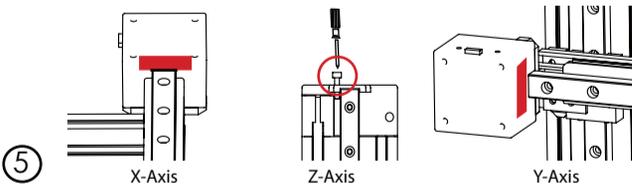
SETUP PRINTER
• Download and Install Cetus3D software: https://www.cetus3d.com/software.html
• Start to Print by clicking the print icon on the software main menu.

- Back to Home
- Add a Model or Picture
- Print
- Initialize
- Calibration
- Maintenance
- Account Settings
- Share
- Skin
- Model Adjustment Wheel
- Build Space
- Wheel Menu
- Move
- Scale
- Mirror
- Delete
- Rotate
- 2nd Level Menu
- Save
- Auto Place
- Fix Errors
- Undo
- View
- Undo
- Reset

Note: *Initialization is required every time when the machine is powered on, this is in order to determine the correct position.*

⑥

SETUP PRINTER
❶ Click the **Setting** icon at the top right corner.
❷ Select **Printer**.
❸ Click the **Printer Detail** button.
❹ Click the **Network** dropdown menu to select an available network.
❺ Input the password for the Wi-Fi network
**Note:** *The computer and printer must be in the same WLAN (same SSID) before connecting.*

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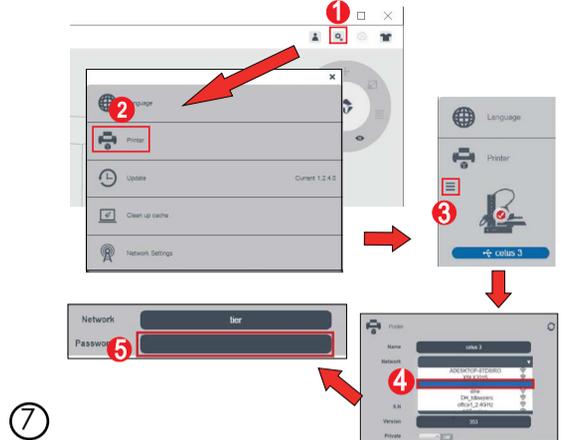
ADJUST THE NOZZLE HEIGHT
❶ Go to **"Calibration"**.
❷ Press button 5 to move the Nozzle to the middle of the build platform.
❸ Use the + button to lower the Nozzle to close proximity of platform.
❹ Put a paper in between the Nozzle and Platform, lower the nozzle and feel the drag between paper and nozzle. At the correct height, the paper should be able to move freely but user should able to feel a small drag from the nozzle.
❺ Note the current nozzle height and deduct the value of it by 0.5mm and press "set" button to save the value as nozzle height (for printer with raft).


- Paper
- Too Low
- Just Right
- Too High
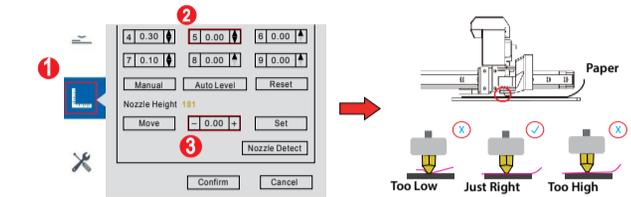
For Example: *If the nozzle position determined by the paper is 181.5, you have to set the nozzle height to 181.0*

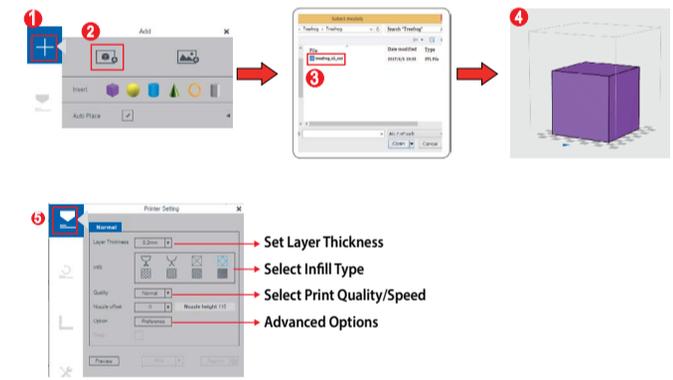- Current Nozzle Height
- Setting Value

⑧
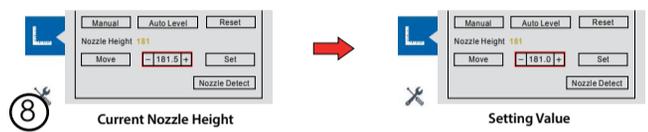
LOAD FILAMENT
❶ Go to **"Maintenance"**.
❷ Select the **Material** from the dropdown material list.
❸ Input the filament **Weight**.
❹ Click **"Extrude"** to heat up the nozzle. When the filament melting temperature is reached, the printer will buzz and begin to extrude.
❺ Install the guiding tube, insert the filament into guiding tube. When the printer buzz, insert the filament into the extruder unit gently.


⑨
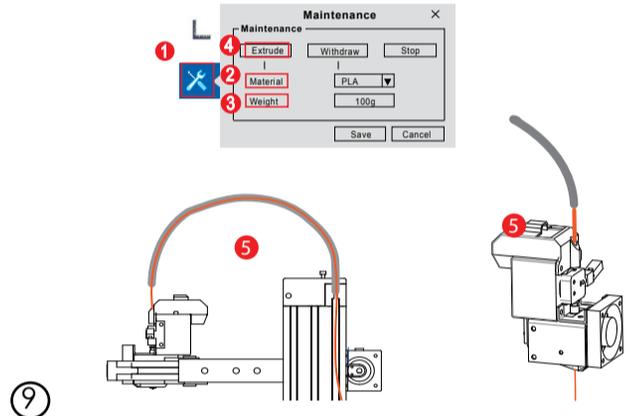
LOAD AND PRINT A MODEL
❶ Go to Add model **"+"**.
❷ Select [icon] icon to open a 3D model.
❸ Choose your model.
❹ The loaded model will appear on the Build Space.
❺ Click **"Print"** to open the Printer Setting window.

- Set Layer Thickness
- Select Infill Type
- Select Print Quality/Speed
- Advanced Options

⑩

ACTIVATE MACHINE
We recommend you to register an account and active your printer to get fully access to functions of 3D printer.
❶ Select Account on the software main menu.
❷ For a new user, click **"Sign Up"** to create a user account.
❸ Register your account including **Username**, **Email** and **Password**. Go to the registered email and click the activation link.
❹ Connect your printer to computer. In the software, go to account section and login, click **"Activate"** to activate the machine.

⑪
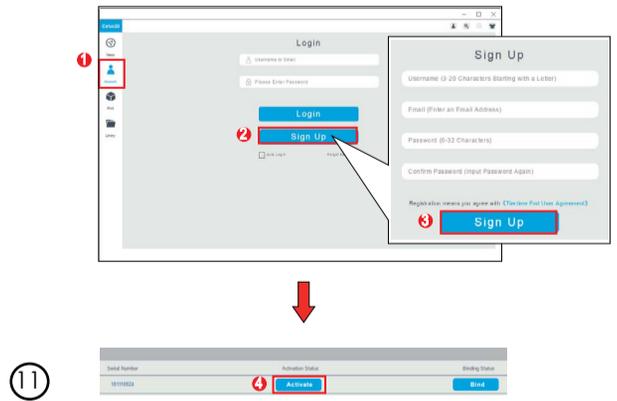
SOCIAL MEDIA

COMPLIANCE

FC CE RoHS

SUPPORT
Email: Support@cetus3d.com
Forum: www.cetus3d.com/community
Facebook Group: Cetus3D Users

MANUFACTURER
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