

How to Use the Z-Axis Extension Module

snapmaker

Foreword

This is a guide on how to use the Z-Axis Extension Module on your Snapmaker Original. It is divided into two sections:

1 Provides information on assembly.

2 Demonstrates the configuration of Snapmaker Luban.

Used Symbols

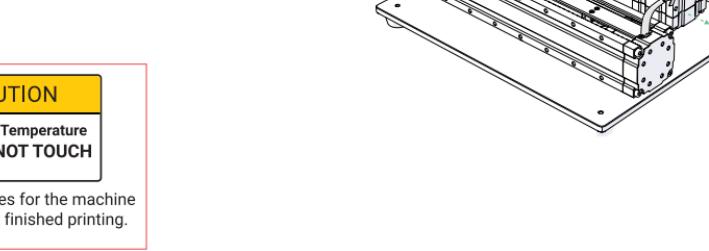
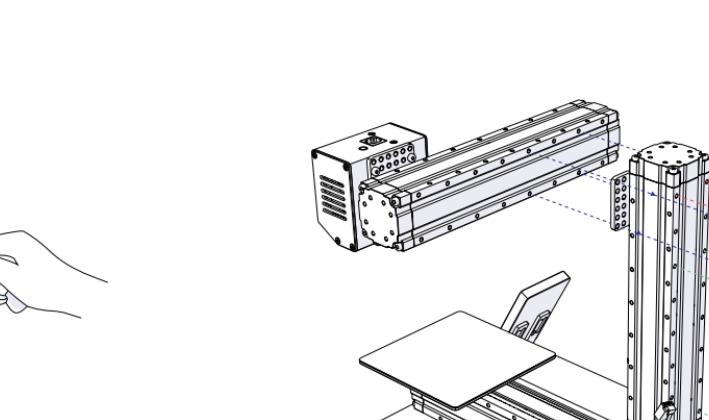
Caution: Ignoring this type of message might result in malfunction or damage of the machine and injuries to users

Notice: Details you should be aware of throughout the process

Make sure that the highlighted part is facing the right way.

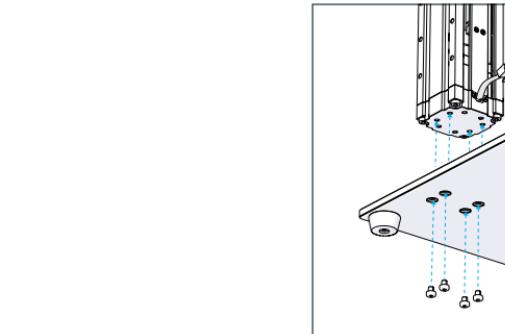
01 Assembly

1 Make sure that the machine is powered off. Unplug all the cables.



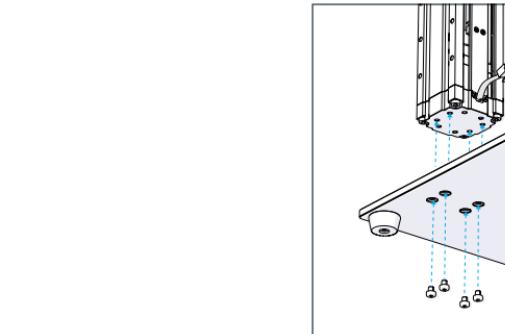
2

- Detach the Filament Holder.
- Detach the X-Axis (with 3D Printing Module attached).
- Detach the Controller.



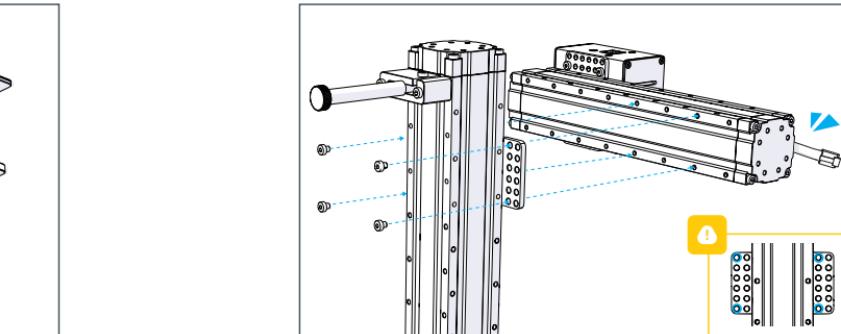
3

Detach the previous Z-Axis. Attach the Z-Axis ExtensionModule (Z-axis is refeate).



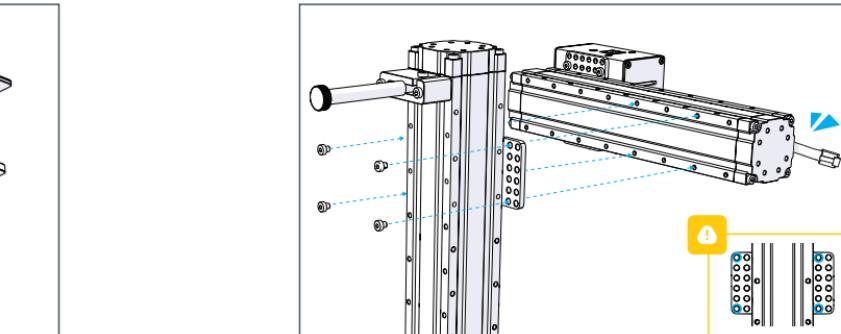
4

Attach the X-Axis (with 3D Printing Module attached) to the Z-Axis.



5

Attach the Controller to the Z-Axis.



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1

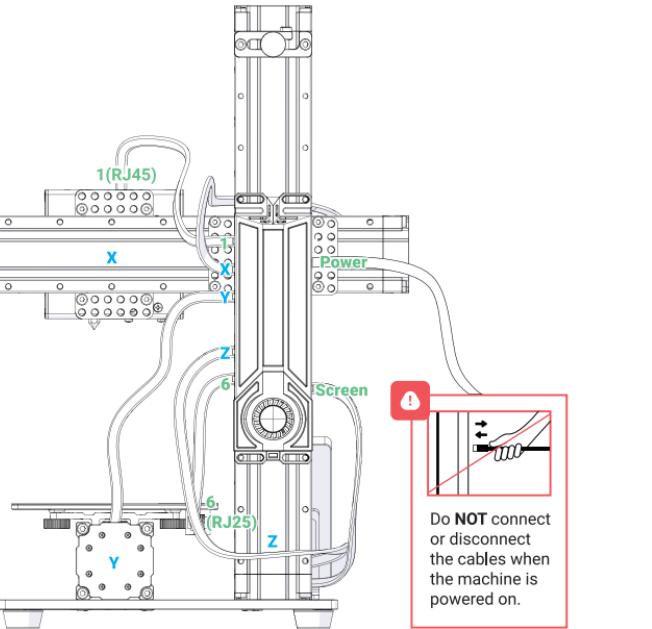
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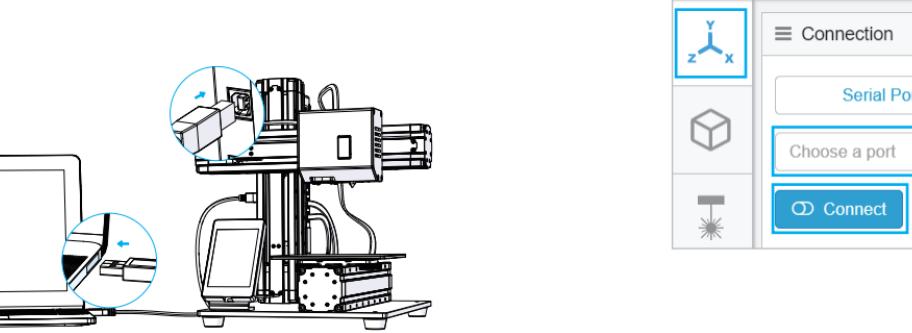
7 Connect all the cables unplugged in Step 1.



02 Configuration of Luban

1 Make sure that your firmware is updated to the latest V2.11, and that Snapmaker Luban is installed:
<https://snapmaker.com/product/snapmaker-original/downloads>.

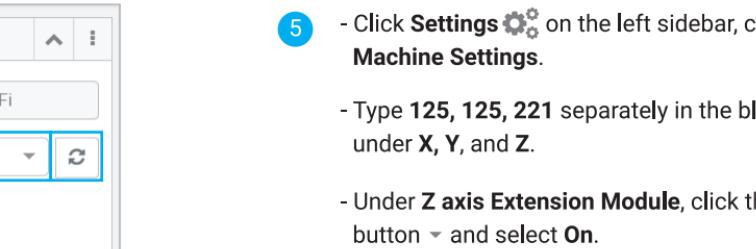
2 Connect your PC with the machine using the provided USB cable, and switch the power on.



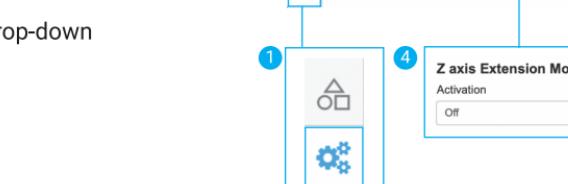
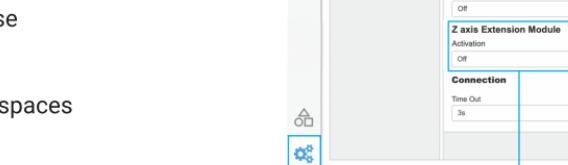
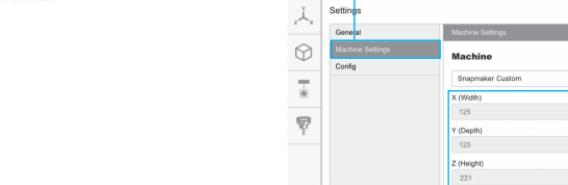
Note: If you fail to find serial port of your machine, try and install CH340 driver at:

<https://snapmaker.com/product/snapmaker-original/downloads>.

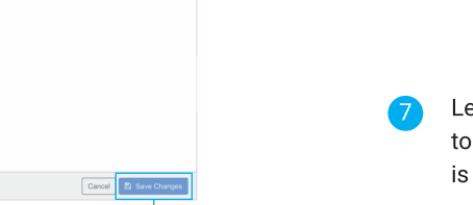
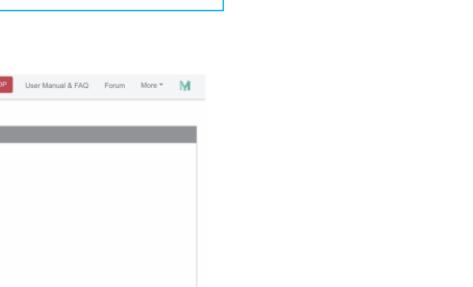
3 - Launch Snapmaker Luban.
- From the left sidebar, enter **Workspace**.
- On top left, find **Connection** and click the refresh button to reload serial ports list.
- Click the drop-down button and select the serial port of your machine, and click **Connect**.



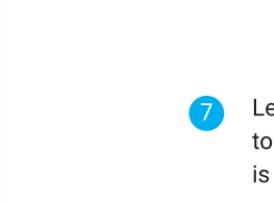
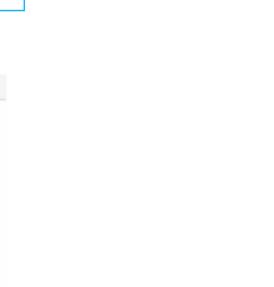
4 Select **Custom** and the toolhead connected to the machine when prompted.



5 - Click **Settings** on the left sidebar, choose **Machine Settings**.
- Type **125, 125, 221** separately in the blank spaces under **X, Y, and Z**.
- Under **Z axis Extension Module**, click the drop-down button and select **On**.
- Click **Save Changes**.



6 Tap **Controls** on the Touchscreen, and tap **Home Axes** to run a homing session.



7 Level the Heated Bed. For detailed instructions, refer to Quick Start Guide. Your Z-axis Extension Module is now ready to go.

Note: If your machine is using 3 printing Module, to see if configuration is successful, tap **Settings > About > Build Volume** on the Touchscreen.