



SERIES 1 SET UP

Congratulations on your new Series 1 3D printer and thank you for choosing Type A Machines. Follow along with this guide and your Series 1 should be up and printing in under an hour.

Unpack the Series 1

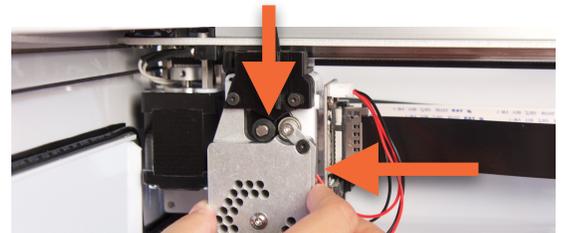
- Once the box top is removed, remove the top foam piece, the four cardboard pillars, and two vertical foam pieces on the front of the printer.
Tip: Retain the packaging for upgrade or repair.
- Next, open and pull the plastic moisture bag down around the printer.
- Remove the two remaining cardboard pillars by sliding them toward you.
- Remove the cardboard box from under the platform and set it aside for the moment.
- Next, lift the printer out of the plastic and off of the base of the box. Lift by the white frame only.
- Remove the foam piece behind the heated platform cable and connector. To do so, turn the foam 90 degrees, then slide it out.
Ensure the platform cable is firmly connected.
- Remove the cardboard insert under the sides of the platform by pulling sideways and rotating.
- Finally, retrieve the Wi-Fi antenna and power cable from the cardboard box and attach them to the rear of the printer.

Attach the Spool Holder & Load Filament

- Attach spool holder with included washer & screw, placing it over the nut on frame. Load spool, feed filament under and through guide.



- Trim filament end to ensure a clean, pointed tip.
- Press and hold the lever on the extruder's right side and feed filament in approximately 6.5cm.



Power On the Series 1

- Turn printer on with the power button on right front panel and confirm it is lit. If not, ensure it is plugged into a working outlet.

Need Assistance?

Visit our User Forum

Converse with other Series 1 owners.
forum.typeamachines.com

View our Knowledge Base

Find detailed info or submit a support request.
support.typeamachines.com

Warning: The print bed and extruder can be a burn hazard. Always allow to cool before touching.
Not recommended for use by those under 12 years of age.



SERIES 1 CONNECT

Choose a Connection Type

▪ Via Direct Wi-Fi

If no known networks are found when Series 1 turns on, it creates a Wi-Fi network named "Series1-" followed by 4 or 5 digit serial number on the printer's front. Join the network on your computer. **NOTE:** Network can take a few minutes to appear. Windows requires *Bonjour* for this connection.

▪ Via Existing Wi-Fi Network

Once connected to the Series 1 directly via Wi-Fi, as described above, open a browser and type:

http://series1-XXXXX.local:5000

Replace "XXXXX" with the 4 or 5 digit serial number on the front panel, then press "enter" to access the interface. Click the Wireless icon in the top right to log in to your network and make the Series 1 available on your network.

▪ Via Ethernet Cable

Connect the Ethernet cable to the printer and then to a network router (required) and the printer will automatically join the network when turned on.

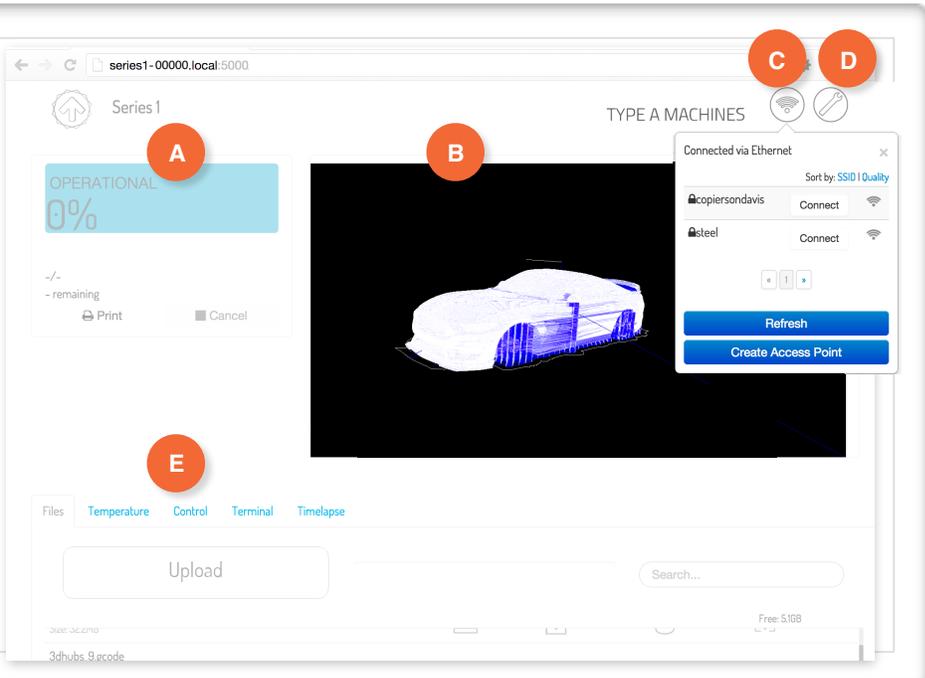
Access the Series 1 Interface

Once connected via Wi-Fi or Network Router, open a browser and type: ***http://series1-XXXXX.local:5000***
Replace "XXXXX" with the 4 or 5 digit serial number on the front panel, and hit enter to access interface.

Tip: Bookmark this address for easy access in the future.

The Series 1 Interface

- A Status Indicators**
Print status, errors, and progress status
- B Visualizer**
3D model rendering and camera view
- C Wi-Fi Network Menu**
Network selection & Access Point mode
- D Settings**
General printer settings
- E Tabs**
Files: File management and the Cone file
Temperature: Print head & heated bed
Control: Direct print head control & home
Terminal: Command-line interface
Timelapse: Timelapse video playback





SERIES 1 ALIGN

Check Platform Alignment

The print head and platform must be equidistant across the bed. If not, filament won't adhere and extrusion can be blocked. The printer is factory aligned, but vibration and impact affect alignment.

- In the "Control" Tab of the Series 1 interface, click the platform home button "home" it.
- Click "Motors Off," then adjust the platform using the white knob until the nozzle is just short of touching the bed.

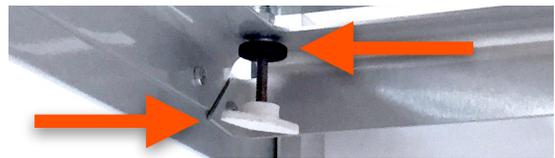


- Move the extruder to all corners to confirm the distance is consistent at all points.

Align the Platform

If the distance between the needle and the platform are inconsistent across different points on the platform, follow these steps:

- Loosen the black thumbscrews on the underside of the platform.



- Use the plastic thumbscrews to raise or lower the platform until the tip of the needle is just touching the platform at each corner.
- After each time you adjust it, check to see if it's in the correct position.
- When complete, be sure to lock that position in place by tightening the black thumbscrews.

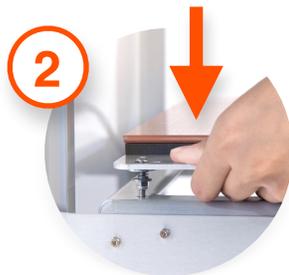
Removable Build Platform

The build platform is detachable to allow for the removal of prints or surface treatment.

To replace the platform, reverse these steps.



1 If the printer is equipped with a heated platform, disconnect it.



2 Push the platform down onto the spring-loaded standoffs.



3 Slide the platform toward you.



4 Lift the platform off the standoffs. Be sure the cable is clear.



Beware of Damaging Glass: Materials such as PET, PC-Plus, ABS, and BluPrint can permanently bond with glass, causing damage not covered under warranty. Use a surface treatment, such as blue painters tape, if using unfamiliar material or use a clean, fresh layer of glue. See material manufacturer for recommendations.



SERIES 1 PRINT

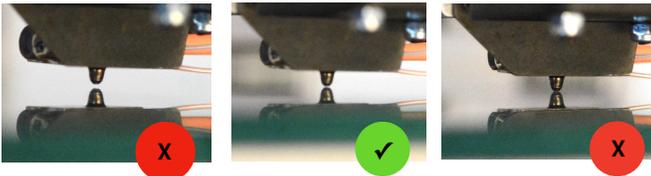


Check the Platform Home Position

The “home position” is the vertical location to which the platform moves at the start of a print. You should check this prior to each print.

If the needle is too near the platform, filament extrusion may be blocked. If the needle is too far from the platform, filament may not adhere.

When set properly, a sliver of light should be visible between the clean tip of the needle and the platform. See below.



Adjust the Platform Home Position

- To adjust the home position, turn the black knob a $\frac{1}{4}$ turn at a time.



Turning *Clockwise* lowers the platform, increasing the distance from the extruder.

Turning *Counterclockwise* raises the platform, decreasing the distance from the extruder.

- Press the *Platform Home* button in the Printer Interface and the platform will move to this new home setting.
- Check the home position after each adjustment and repeat until it is in the right position.

Prepare the Build Surface

- Apply a thin layer of glue stick to the platform to help material adhere consistently.

First Print

The cone model will print in about 15 minutes. The bed will not heat for this print.

- Locate the file “FirstPrintCone.gcode” in the “Files” tab of the Series 1 interface.
- Click the “Printer” icon to the right of the file. This will start printing the model.
- Pay attention to the first few layers to ensure filament adheres to the bed. If not, verify the bed alignment and home position are correct.

The temperature of the extruder and heated bed can be monitored in the “Temperature” tab.

When complete, use the included spatula to remove the print. Be careful not to put pressure on the platform as this can affect alignment.

Do More with Your Series 1

Get more information, visit our forum, and learn more about your new printer.

Cura Type A

Download Cura Type A for free to prepare your own models to print.

Introduce Yourself to New Materials

Visit our web store for exclusive filaments.

Find all that and more at:

www.typeamachines.com/gettingstarted