Figo3D Pen Set User Manual

Contents

Figo3D Pen Set

Product Usage Instructions

- The nozzle can become hot. Do not touch it to prevent burns.
- Avoid contact with flammable materials.
- Inform others that the pen is hot and should not be touched.
- Keep out of reach of children.
- Operate in a well-ventilated area.
- Insert the USB cable into an AC Adapter and connect to an outlet. Plug the AC Adapter Plug into the Power Socket of the pen.
- Select ABS or PLA mode on the Display using the Temperature Up/Down Buttons.
- Wait for the Temperature Indicator Light to turn green and then start extruding by clicking or holding down the Forward Button.
- Straighten the filament end, load it into the Filament Loader, and start creating in 3D once plastic starts extruding.

WARNINGS

– The Nozzle of the Figo3D can become hot. DO NOT touch the Nozzle, or you may be burned!

– DO NOT allow the Nozzle near or in contact with flammable materials.

– Inform others in the area that the Pen is hot and should not be touched.

 Unplug and allow the device to cool before storing or when not in use.

 Allow the Nozzle to cool completely before storing.

 DO NOT use the FIGO3D near bathtubs, showers, basins, or other vessels containing water. This could result in death due to electric shock.

 The FIGO3D should only be used with ABS or PLA filament approved by FIGO3D. Using non-app roved materials and/or using your pen at the wrong temperature will void your warranty and can result in damag e to your pen or injury to you. Injuries to the user may

include, but are not limited to, harm sustained from inhaling substances that are not

suitable for heating, or burns from flammable materials used in the FIGO3D.

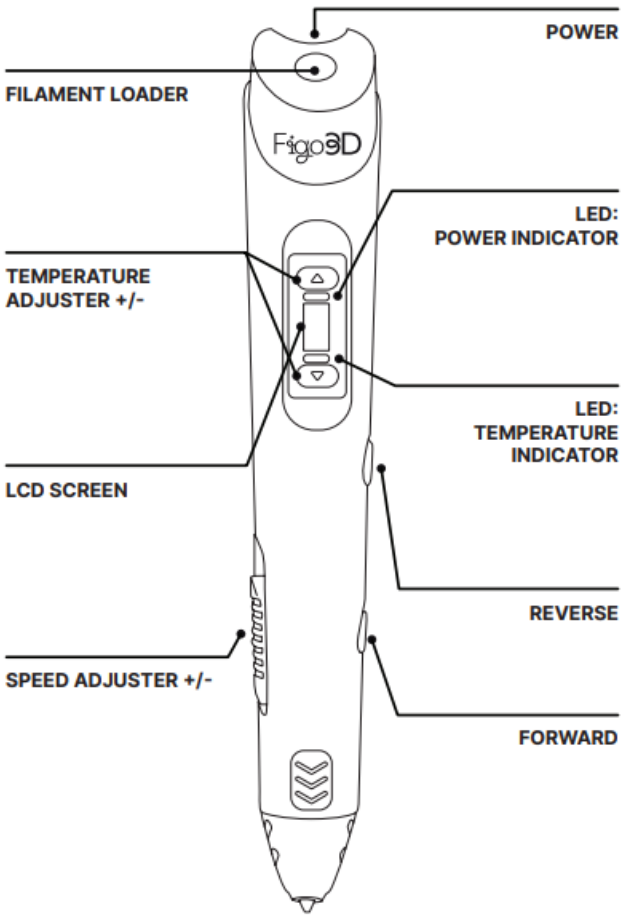
ADULT USE ONLY.

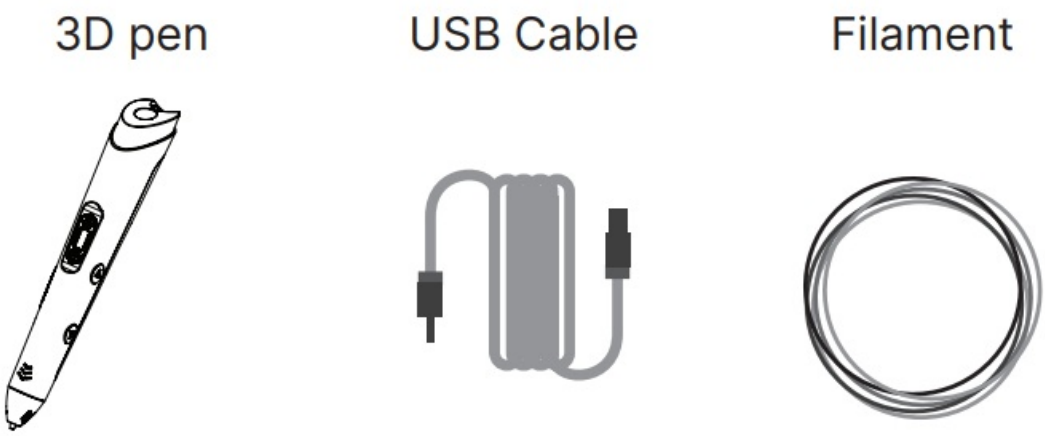
KEEP OUT OF REACH OF CHILDREN.

 This 3D Printing Device, when used with a styrene filament (ABS / HIPS / or PC-ABS), can expose you and others in the same room to styrene, which is a chemical known to the State of California to cause cancer. F or more information, go to **www.P65Warnings.ca.gov.** **ALWAYS OPERATE YOUR 3D PRINTING DEVICE IN A WELL-VENTILATED AREA.**

Product Overview

Features and Controls of your FIGO3D 3D Pen





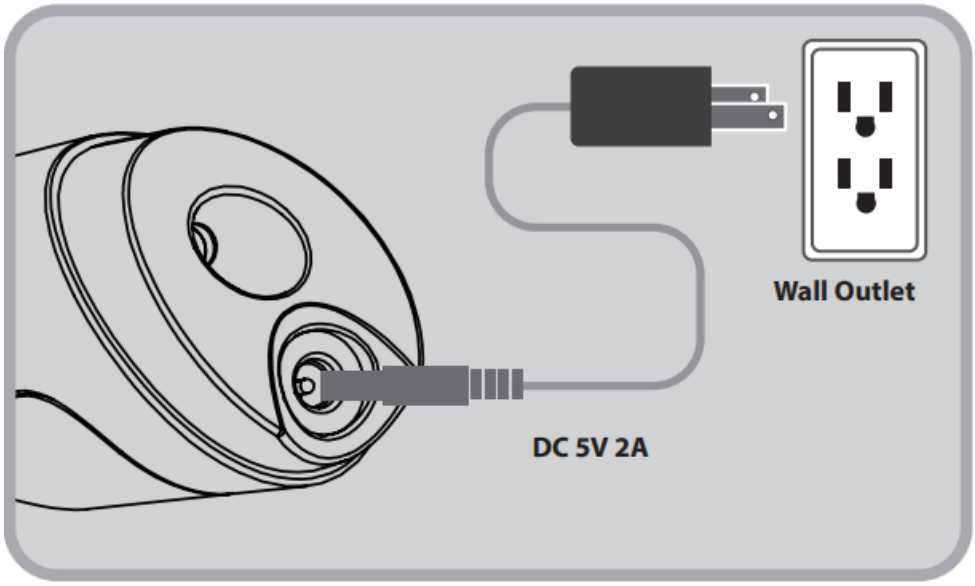
Getting Started

1. Insert the USB cable to an AC Adapter and connect to an outlet. Plug the AC Adapter Plug into the Power Socket of the pen. The power indicator light should become orange. (Note: this 3D pen can be used with a 3rd party power bank with at least 2 Amps output.)
2. “ABS” or “PLA” will show on the Display, you can use the Temperature Up/Down Buttons to select a mode. Choose a mode that corresponds to the type of plastic you are using. (Note: using the wrong mode with the wrong plastic will make for a poor experience and possibly damage your pen.)
3. Press the Forward Button to activate
   The selected mode. You can use the Temperature Up/Down Buttons to fine-tune the temperature depending on need and desired usage. The temperature ranges are ABS: 210-230°C and PLA: 160-210°C. The Temperature

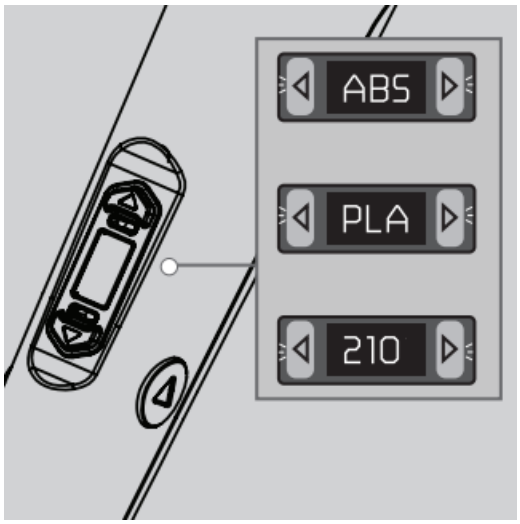
Indicator Light will be red while heating up and will turn green when the pen is ready.

4. Once the Temperature Indicator Light has turned to Green, you can click or hold down the Forward Button to begin extruding. (Note: best to have the speed at max.)Straighten the end of the filament you wish to use and load it into the Filament Loader while the pen is running. Once plastic starts extruding, you are ready to start creating in 3D!

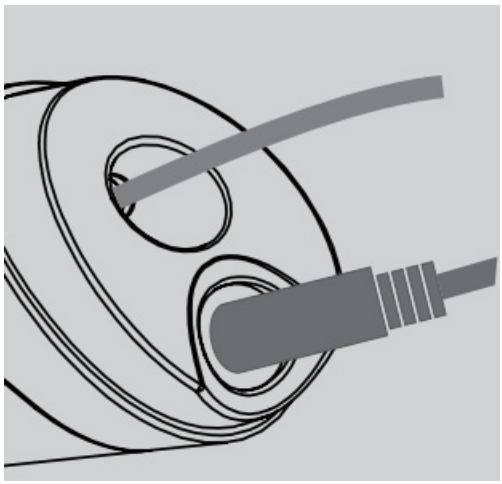
CHARGING



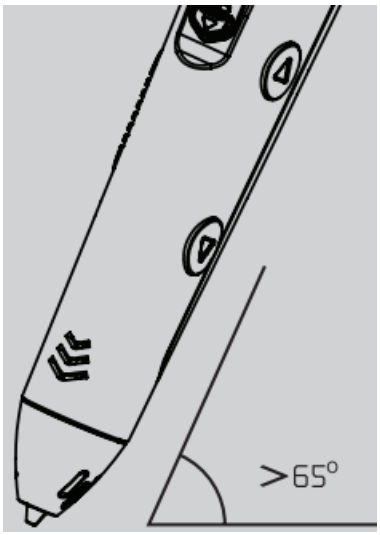
- The Display will show either ABS or PLA until the Forward Button is pressed to choose a mode.
- The screen will flash between desired temperature and the current temperature.
- The temperature LED will remain red while the pen is heating up. Once it has reached the temperature, it will change to green. Begin drawing. You can adjust the temperature at any time with the buttons.
- To change from ABS to PLA, unplug the pen and plug it back in.



- Once the temperature indicator Light has changed from red to green, you are ready to load filament. Straighten the filament at the end. Press and hold the Forward Button or click for continuous mode. Push the filament into the pen until you can feel it pulling into the pen.



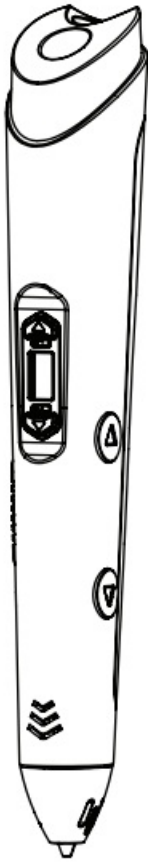
- Holding the FIGO3D 3D Pen at an angle of 65 degrees or higher will produce the best results when drawing on surfaces or flat objects.



Snip those tips

Failure to cut the end off the plastic can result in jams or the pen not extruding. When trying to use a recently removed strand of plastic again, make sure that it has a flat surface to push the previous filament. Snip those tips.

- We recommend only using the Reverse button when removing and changing filament. If only partially withdrawn, the filament can swell in the pen and create jams. If this happens, fully withdraw the filament and cut the swollen part off.
- Filament quality varies greatly. We always recommend using FIGO3D filament and storing it in a sealed and dry location.



- Plastic may continue to ooze slightly after the gears have stopped. This is a common phenomenon similar to what you would see in glue guns and 3D printers, and it is more noticeable with PLA. You can slightly decrease the temperature to limit this behavior.

Temperature Tuning

1. Plastic bubbling and crackling noises from extruded filament can be an indication that your temperature is set too high. Try lowering the target temperature by 5-10°C.
2. Filament should come out smooth and without much bubbling. That being said, some small bubbling is normal.
3. Some plastics, like PLA, are more prone to oozing. If you find that your plastic is oozing too much then you can turn the target temperature lower to help mitigate the issue. Please ensure you are on the right temperature setting as well.
4. Temperature that is set too low can result in the motor struggling to push the filament through and extruded plastic that is dimmer and darker. Try increasing the target temperature by 5-10°C.

Troubleshooting

Here are some common problems and possible solutions to these issues. If you can’t resolve the issue please reach out to our customer service by emailing us at **help@FIGO3Dpen.com**

Problem	Reasons	Solution
Power indicator light will not turn on	Issue with the AC adapter or power outlet	Replace the AC adapter with another 5V 2A adapter. Replace the USB to DC 3.5mm power cable with another
	Issue with the power socket of the pen	
	Issue with the Electronics of the pen	The pen's electronics need servicing please contact help@FIGO3Dpen.com
Nothing is coming out of the nozzle	The temperature is not high enough or the wrong mode for plastic was selected	Check that the pen is in the correct mode for the type of plastic you are using. If that doesn't work, you can try manually adjusting the temperature.
	Filament has stripped ie. a chunk has been taken out of the filament and the drive system can't push it anymore	Reverse the filament out of the pen. Cut off and discard the damaged portion and try again.
	Filament won't go in	Make sure the filament is trimmed to a flat surface.
	No motor noise(but pen is on)	Possible issue with the electronics or the motor. Please contact us at help@FIGO3Dpen.com
Pen not heating up	Problem with the heating element/ nozzle	Please contact customer service at help@FIGO3Dpen.com
Motor is struggling	Potential issue with the filament	Reverse out filament, trim the end and try again.
	Not enough power getting to pen	Ensure power cable is plugged into an outlet or is being provided at least 2 Amps

- help@FIGO3Dpen.com

NOTE: Your pen will go into sleep mode after being inactive for 5 minutes (as a safety feature). Click any button to wake the pen up, and it will restart the heating sequence automatically.

LIMITED WARRANTY

- For more details on your limited warranty, please visit: WobbleWorks.net/Figo3D/warranty
- For FIGO3D Terms and Conditions and other notices, refer to our website: wobbleworks.net

This marking indicates that this product should not be disposed of with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to

promote the sustainable reuse of material resources.

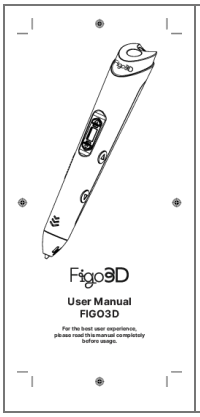
Contact

- help@FIGO3Dpen.com

FAQ

- **Q:** Can I use non-FIGO3D-approved filaments with the FIGO3D pen?
- **A**: No, only use ABS or PLA filaments approved by FIGO3D to avoid warranty void and potential damage.
- **Q:** How do I change from ABS to PLA mode?
- **A**: Unplug the pen and plug it back in to switch between ABS and PLA modes.

Documents / Resources

	Figo3D Pen Set [pdf] User Manual Pen Set, Pen, Set

References

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- Home | Figo3D
- WobbleWorks Inc | Home
- WobbleWorks Inc | Home
- WobbleWorks Inc | Patents
- P65Warnings.ca.gov
- WobbleWorks Inc | Patents
- User Manual