MYNT3D
PRINTING PEN

User Manual

Please read through this user
manual completely before use.

www.mynt3d.com

Quick Tips

• View our initial setup walkthrough video at:
> **www.mynt3d.com/pages/tips**

• Use lower temperatures than filament manufacturers suggest for 3D printers:
> **ABS: >190 C**
> **PLA: <190 C**

• If the feed motor begins to struggle **stop operation** and back out the filament. Try cutting a new end before continuing. If the motor continues to struggle there may be a piece of broken filament stuck inside.

⚠ WARNING

BURN HAZARD. The ceramic nozzle of this device can become extremely hot. DO NOT touch the tip or any melted plastic or you may be severely burned. DO NOT allow the tip near or in contact with flammable materials. Inform others in the area that the unit is hot and should be handled with care. Allow the tip to cool completely after use and before storing. The hot tip may cause damage to painted surfaces, plastics and cloth if left in contact with these materials. Only use 1.75mm ABS and PLA filament.
ADULT USE ONLY. KEEP OUT OF REACH OF CHILDREN.

⚠ WARNING

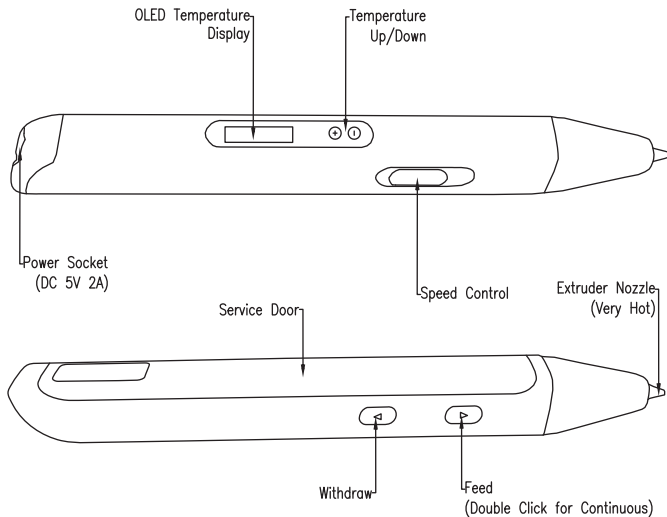DO NOT use this appliance near bathtubs, showers, basins or other vessels containing water.

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 sustainable reuse of material resources.

Please take a moment to verify you received all the components

1. 3D Printing Pen
2. AC Adapter
3. USB Power Cable
4. Plastic screwdriver (for service door removal)
5. (3) Rolls of ABS Filament

Features and Controls of your 3D Printing Pen

OLED Temperature Display

Temperature Up/Down

Power Socket (DC 5V 2A)

Speed Control

Extruder Nozzle (Very Hot)

Service Door

Withdraw

Feed (Double Click for Continuous)

Operation Instructions

1. Connect the AC Adapter and USB Power Cable to a power outlet. Insert the plug into the **power socket**.

2. Adjust temperature (if desired) and press the **feed** button and release. Keep an eye on the **temperature display** and wait for the pen to heat to temperature.

3. Straighten the end of the filament if necessary and insert it into the filament loading hole until it stops. Press and hold, or double click the **feed** button to load filament into the pen. Sliding the **speed control** all the way up will make this process faster.

4. Start your drawing on a flat surface. Glass with a thin layer of washable gluestick makes for an optimal work surface, but you can use anything that is heat safe and your filament adheres to.

Changing Colors

1. Bring your 3D Pen up to temperature.

2. Press and hold the **withdraw** button until the filament is free.

3. Ensure the new filament is cut correctly and load into the pen.

CORRECT   **INCORRECT**

Important Tips and Notes

• Pressing the **load** or **withdraw** button once will exit continuous feed mode.

• This 3D pen can be used with power banks that output at least 2 amps. This way you are not tethered to a wall outlet.

• Depending on the filament being used, plastic may continue to extrude slightly after the **feed** button is released. This effect is often more pronounced with PLA, and is a symptom of commercial 3D printers as well. Decreasing the temperature slightly can help.

• It is advised to only use the **withdraw** button when changing filament. If filament is only partially withdrawn it can deform in the barrel and the pen will not extrude. If this happens you should fully withdraw the filament and cut off the deformed section.

• Filament quality varies greatly, and even reputable brands can release bad batches. If your 3D pen is behaving abnormally, a good first step is to try another roll of filament. Also, ABS and PLA filament are damaged by excess humidity. It is good practice to store your filament in a sealed and dry location.

• If you believe your nozzle is clogged, a good first step is to try raising the temperature slightly to melt the clog. However, if you find you are unable to remove it please note the nozzle is modular and easily replaced. Replacement nozzles are available at mynt3d.com.

• When changing from PLA to ABS filament, the nozzle may emit a small amount of smoke from the increased temperature. PLA is plant-based and does not release any toxic fumes when over-heated.

Specifications

Discharging mode: hot melt extrusion
Print Range: unlimited
Feeding Speed: adjustable
Print Material: ABS/PLA
Material Diameter: 1.75mm
Nozzle Diameter: 0.60mm
Nozzle Temperature: 130-230°C
Power Output: 10W
Power Input: 5VDC 2A
Power Adapter: 100-240VAC 50/60Hz
Equipment Dimension: 175 x 20 x 17mm
Equipment Weight: 40g
Certifications: FC CE **RoHS**

Limited 1 Year Warranty

We stand by our products and offer a 1 year limited warranty that covers defects in manufacture. For more information visit: www.mynt3d.com/pages/warranty

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