

 MONOPRICE



MP Select 3D Printing Pen

P/N 16275

User's Manual

SAFETY WARNINGS AND GUIDELINES

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
- Use only in a well-ventilated area. Do not use in close, confined spaces.
- The extrusion nozzle of this printer operates at high temperatures. Take care to avoid touching the nozzle and any newly extruded material. Take care to not touch the nozzle to flammable materials.
- Always allow the nozzle and extruded material to cool before touching.
- Some types of filament can emit a strong odor when heated. Always use this printer in a well-ventilated area.
- Do not use the printer near a heat source, such as a fireplace, heating vent, radiator, etc. Do not leave it in direct sunlight.
- This printer is suitable for use by children as young as 8 years old. Children should always be closely supervised by a responsible adult when using this printer.

INTRODUCTION

Thank you for purchasing this 3D Printing Pen! This pen printer allows you to create 3D models or repair 3D models by hand. It has low-temperature and high-temperature print settings, for use with eMate and PLA filaments. It supports temperatures from 80 ~ 195°C and has eight print speed settings. It is suitable for use by children as young as 8 years old, though they should always be closely supervised by an adult.

FEATURES

- Low-temperature setting for use with 1.75mm eMate filament
- Variable low-temperature settings from 80 ~ 90°C
- High-temperature setting for use with 1.75mm PLA filament
- Variable high-temperature settings from 80 ~ 195°C
- USB powered and compatible with USB power banks
- Eight speed settings from 0 ~ 120 cm/minute
- 0.7mm extrusion nozzle
- Automatic and manual extrusion modes

CUSTOMER SERVICE

The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website www.monoprice.com during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at support@monoprice.com

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x 3D Printing Pen

1x USB Power Cable

1x USB Power Adapter

1x User's Manual

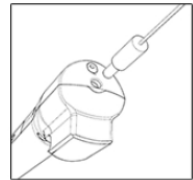
PRODUCT OVERVIEW

1. Filament Feed Hole
2. LCD Display
3. Temperature Adjustment Buttons
4. LED Indicators
5. Speed Control Buttons
6. Extrusion Nozzle
7. Filament Feed/OK Button
8. Filament Retreat/Mode Selection Button
9. Hanging Hook
10. DC Power Connector

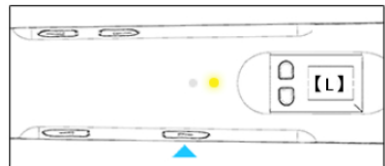


OPERATION

1. Plug the included USB Power Adapter into a nearby AC power outlet.
2. Plug the included USB Power Cable into the **DC Power Connector (10)** on the pen, then plug the other end into the USB port on the USB Power Adapter. The first **LED Indicator (3)** will illuminate yellow to indicate that power is applied.



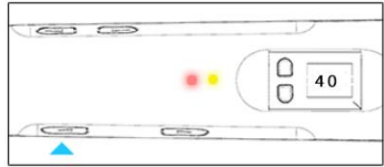
3. Press the **Filament Retreat/Mode Selection Button (8)** to cycle between low-temperature and high-temperature modes. The **LCD Display (2)** will show **[L]** for low-temperature



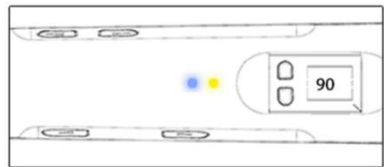
(2) will show **[H]** for high-temperature mode. The default temperature is 90°C for low-temperature mode and 195°C for high-temperature mode.

- (Optional) While [L] or [H] is displayed, use the Temperature Adjustment Buttons (3) to change the temperature setting from the default values of 90°C or 195°C.

- Press the **Filament Feed/OK Button (7)** to confirm the temperature setting. The second **LED Indicator (4)** will illuminate red to indicate that the print nozzle is being heated. While the nozzle is heating, the **LED Display (2)** will show the actual temperature.



- When the target temperature is reached, the second **LED Indicator (2)** will change from red to blue, indicating that the pen is ready to print.

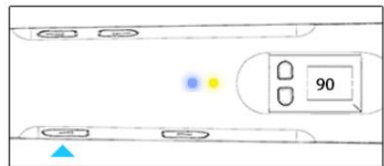


- Use a pair of scissors or side cutters to cut the end of your filament so that the filament end is cut evenly.

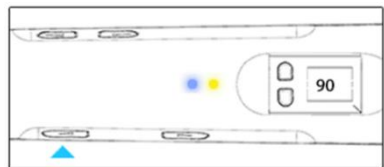


- Insert your filament into the **Filament Feed Hole (1)** until you reach resistance.

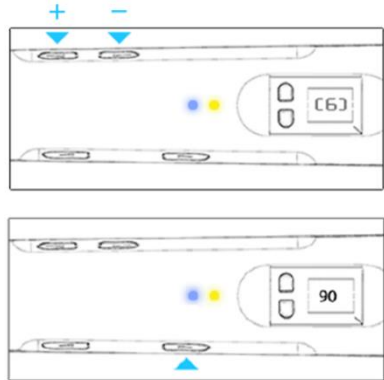
While gently holding the filament against the resistance, press and hold the **Filament Feed/OK Button (2)** to feed the filament into the pen until it extrudes out of the nozzle.



- Press and hold the **Filament Feed/OK Button (2)** to feed filament and print with the pen. Alternatively, double-press it to engage automatic feeding. Automatic feeding can be stopped at any time by pressing the **Filament Feed/OK Button (2)** once.



10. If you wish to change the speed of filament extrusion, use the **Speed Control Buttons (5)**. There are 8 speed settings, from 1 to 8, with 6 being the default.
11. When you are finished printing or when you want to change filament, double-press the **Filament Retreat/Mode Selection Button (8)** to remove the filament.



OPERATING NOTES

- The pen will automatically go into standby mode if no buttons are pressed for 90 seconds.
- When using the [H] mode and switching to the [L] mode, the pen will gradually cool down over the course of 90 seconds and will automatically extract the installed PLA filament.
- You can adjust the print temperature on the fly, but by no more than $\pm 15^{\circ}\text{C}$.
- When switching modes between [H] and [L], the pen will remember the temperature you had last set for each mode in the range 90 ~ 135°C for [L] mode and 135 ~ 195°C for [H] mode.
- If the screen shows **E1** and the blue LED flashes, or if it shows **E2**, please contact Monoprice Technical Support for assistance.
- In the event of any other serious operating error, please contact Monoprice Technical Support for assistance.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates.

Technical support is available through the online chat button on our website

www.monoprice.com during regular business hours, 7 days a week. You can also get assistance through email by sending a message to **tech@monoprice.com**

SPECIFICATIONS

Model	16275
Nozzle Diameter	0.7mm
Filament Diameter	1.75mm
Supported Filament Types	eMate, PLA
Print Speeds	0 ~ 120 cm/minute
Working Temperature	80~ 195°C
[L] Default Temperature (eMate)	90°C
[L] Adjustment Range (eMate)	80 ~ 90°C
[H] Default Temperature (PLA)	195°C
[H] Adjustment Range (PLA)	80 ~ 195°C
Power Source	USB, 5 VDC, 2A