3Doodler Create
Recommended Age: 14+

Click to extrude heated plastic which hardens rapidly, allowing you to draw in 3D, freehand, or using stencils. Make art, fix things, design wearable items, build models, and decorate your space!

System requirements: No requirements, however, this item needs to be plugged in power when in use.
Steam Kit: 3Doodler Create
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Contents List

- 3Doodler Create Pen Set
  - 1 3Doodler pen
  - 1 power adapter
  - 1 cleaning tool
  - 1 nozzle removal tool
  - 1 protective cover
  - 1 user guide
- 3-4 packs of ABS plastic
- Book: 3D Pen Jewelry by Rayan Turner
- Red folder with getting started guide
Getting Started Guide

Review the Quick Start Guide

1. PLUG IN & SELECT TEMP (HI/LO)
   It will take 1-2 minutes for your 3Doodler to heat up.

2. INSERT YOUR STRAND
   Press the fast or slow button.

3. READY SET DOODLE
   It will take 30 - 40 seconds for your plastic to extrude.

SET YOUR 3DOODLER TO THE CORRECT TEMPERATURE:

- HI
- ABS
- FLEXY
- LO
- PLA
- WOOD

Light red whilst Doodling?

DON'T FRET
Your 3Doodler is functioning normally. The red light / pausing is caused by the pen heating up to stay at optimal temperature. The 3Doodler needs to pause while doing this. Wait a few seconds and keep Doodling!

Snip Snip
THOSE ENDS!
Keep it clean. Snip your ends to avoid any unnecessary jams in your 3Doodler.
**Button Features**

**SLOW SPEED**
Hold down on the small button for slow.

**FAST SPEED**
Hold down on the big button for fast.

**DOUBLE CLICK**
Constant Doodling without holding down any buttons:
- Hold down button to pause
- Single click to stop

**BOTH BUTTONS**
Hold down on both buttons to reverse your strand while the LED flashes.

For more detailed instructions and additional tips please see the user manual or visit the3Doodler.com

**PLASTIC TRANSITION**

When switching from a Hi temp plastic (like ABS) to a LO temp plastic (like PLA), run the pen on the Hi setting until the Hi temp plastic is fully extruded (you’ll see the plastic color change!). Then switch the pen to the LO temp setting.

After you have finished using your 3doodler, remove any remaining plastic.

**Trouble Reversing?**

1. Hold down on BOTH extrusion buttons at the same time to reverse the plastic strand.

2. If your strand is too short to fully reverse, you will not be able to retrieve it. If this happens turn the pen on and wait for the pen to heat up (the LED light will change to Blue or Green).

3. Remove the nozzle with the spanner provided in the box.

4. Now take the unblocking tool (or a straightened paperclip) and feed it into the nozzle end of the pen to dislodge any blocked plastic. The dislodged plastic should shake free from the back of the pen. If it doesn’t shake free, from the back of the pen, if it doesn’t shake free, please proceed to remove the maintenance cover to clear out the plastic.

5. Replace the nozzle while the pen is hot and then try the pen again - don’t over-tighten the nozzle or apply excess force.
Pro Tips

**NOZZLE REMOVAL**
Make sure the pen is **HOT** (blue or green LED) before trying to unscrew the nozzle. When screwing the nozzle back on don't force it.

Nozzle Removal Tool ▶ (included)

**TEMPERATURE ADJUSTMENT**
Manual temperature optimization for minor flow adjustment and expertly consistent 3Doodles. Turn it 90° to the right to crank up the heat, or 90° to the left to turn it down.

Use the mini screwdriver (included)

**WELD PLASTIC**
You can join 3Doodled pieces by touching the hot tip of the 3Doodler to both parts to melt them together while extruding. Don't worry about rough edges; you can trim those later.

Plastics & Accessories

Choose from 60+ vibrant plastic colors. Transform your Doodling with our latest accessories including the Nozzle Set.

Nozzle removal tool ▶️ with 6 new nozzles

The perfect place to store your 3Doodler

In a Jam?

**PUSH FIRST**
If it’s still not working then follow the step by step instructions in the user manual or message us at help@the3Doodler.com or visit our YouTube channel at: youtube.com/3Doodler

For more accessories please visit http://the3doodler.com/store/

For more information, customer service, repairs, or warranty inquiries please contact us at cs@the3Doodler.com

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Review the Troubleshooting Guide

BEFORE YOU BEGIN, NOTE THE FOLLOWING TIPS:

1. Use PLA plastic on LO/low heat setting, and ABS / FLEXY plastic on HI/high heat setting (check the pack color)

2. It takes 30-40 seconds for extrusion to begin after first inserting a plastic strand

3. Push the plastic down the pen and gently twist it clockwise to get it to engage with the pen’s gears

4. Extrude all ABS plastic on HI/high heat before switching to PLA plastic on LO/low heat

How-to and help videos on our YouTube Channel:

YouTube.com/3Doodler

Still having issues?
If you are still having problems please message us at help@the3Doodler.com or call us at:
(US) 718 618 9904

Please let us know what type of plastic you’re using (ABS, PLA or FLEXY)? What color is the LED on the pen once warmed up?

Please also let us know the full serial number on the underside of the pen.
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START

IS THE LIGHT TURNING ON?

NO

IS THE PLUG WORKING?
Use a spare power adapter to help determine if the issue is with the pen or the power cord.

NO

SWITCH IN THE CORRECT POSITION?
Ensure you are pushing the HI/LO switch to the correct position.

YES

ARE YOU SWITCHING FROM ABS TO PLA?

NO

ISSUES WITH SLOW MODE?

NO

WAIT TO FEED
It takes 30 - 40 seconds for plastic to feed - either press and hold the extrusion button or double click for continuous flow.

NO

TWIST
Feed the plastic; and gently turn it a quarter clockwise, ensuring the plastic is gripped by the gears. If the strand is too short, insert another and push it through.

PROBLEM SOLVED?

NO

ABS to PLA
Extrude all ABS on Hi heat. Do this by keeping the pen on Hi heat, and inserting PLA - wait for PLA to start extruding before switching to LO heat.

PROBLEM SOLVED?

NO

USE FAST
Once you have decent flow, switch to slow mode.

PROBLEM SOLVED?

YES

SNIP & HEAT
Remove the strand, snip the end and reinsert it. Turn up the heat (temp adjustment) with mini screwdriver.

PROBLEM SOLVED?

NO

TIGHTEN NOZZLE
The nozzle may be loose. While the pen is hot (blue or green LEDs), gently tighten the nozzle clockwise using the mini spanner included with your pen. Don't apply excess force.

PROBLEM SOLVED?

NO

PAPER CLIP
Remove the nozzle then get hold of the unblocking tool or a paper clip that has been straightened. Stick the paper clip or unblocking tool into the front while continuing to reverse.

PROBLEM SOLVED?

NO

MAINTENANCE COVER
Try removing the maintenance cover. Always press down on the maintenance cover with your thumb when removing/inserting the metal bar. Ensure the curve of the pin is facing towards the pen when inserted.

PROBLEM SOLVED?

YES

Have Fun Doodling!
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Watch the videos on the 3Doodler YouTube channel: http://bit.ly/3doodlerYTS

Use the templates provided, design your own, or get more templates and ideas at http://the3doodler.com/

More Information

Cost of 3Doodler Create Kit - $90.00

For a full list of Pasadena Public Library STEAM Kits
https://www.cityofpasadena.net/library/steam/

This model of the 3Doodler Create Pen is discontinued.

When returning the kit, please check if all contents are in the box. If something is missing, please inform staff.

You may use the plastic included in the kit, but please return unused plastics.
Information for staff

Check-in instructions: check the contents
- 3Doodler Create Pen
- Book: 3D Pen Jewelry by Rayan Turner
- Red folder with getting started guide

Cost will incur if the 3Doodler Create pen or the book (3D Pen Jewelry) is missing. The other materials can be replaced.

Maintenance:
1. Check for all parts following the Contents list.
2. Refill plastic (if needed)
3. Remove any plastic in the pens
4. Snip ends of used plastics (if needed)
5. Red folder includes:
   a. 4-6 templates/instructions for projects. Print more from: http://help.the3doodler.com/stencils/
   b. Extra Getting Started Guide & Troubleshooting Guide (more can be printed from the R Drive)

Cost and replacements:
- 3Doodler Create Pen Set - $79.95 (This model of the pen is discontinued. It can be replaced with the new model.)
- Book: 3D Pen Jewelry by Rayan Turner - $9.95
- Red folder with getting started guide

-update 9/7/18 by Jane Gov