cocoon™
create

3D Pen

Visit cocooncreate.com.au to view the latest version of this manual

Model Number: HE150277

INSTRUCTION MANUAL

Important

Getting the most out of your 3D Pen:

Read the manual carefully

It will help you get set up with ease

Visit www.cocooncreate.com.au

We've got additional support videos and guides

Call After Sales Support - 1300 663 907

Available Monday - Friday, 8:30am - 5:30pm AEST

Email customercare@winplus.com.au

We're always happy to help

Warranty Note

If you experience any issues with this product, or it's performance is not what you had expected, please contact us at Winplus before returning the item to the store.

It is likely that we can resolve any problems for you via phone or email.

We can be reached on:

Phone: 1300 663 907 (Mon - Fri; 8:30am - 6:00pm EST)
Email: customercare@winplus.com.au
Web: www.winplus.com.au

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Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

AFTER SALES SUPPORT

☎ (AUS) 1300 663 907

customercare@winplus.com.au

MODEL: HE150277 PRODUCT CODE: 52916 02/2016

1
YEAR WARRANTY

Important Safety Instructions

Before you get started, please read these important safety instructions.

Caution: The Cocoon Create 3D Pen generates high temperatures at the nozzle that can cause injury. Do not touch the tip of the 3D Pen nozzle while operating, and allow time for the nozzle to cool down after operation.

Vapours/fumes may be irritating at operating temperatures. Always use the Cocoon Create 3D Pen in an open, well ventilated area

Do not leave the Cocoon Create 3D Pen unattended during operation

Contact with extruded material may cause burns. Wait for extruded material to cool before touching the object

Use the Cocoon Create 3D Pen on a heat-resistant flat surface as the device is hot during operation. Do not place the 3D Pen on any type of fabric or flammable material at any time

- The 3D Pen must not be exposed to water or rain, or damage will occur
- Do not attempt to modify the internal components of the 3D Pen, or disassemble the device under any circumstances
- Do not use the 3D Pen if damage of housing or cables are evident
- In case of emergency, turn off the 3D Pen at the power outlet
- When not in use, eject plastic filament from 3D Pen to prevent building up of residual filament inside the 3D Pen
- Unplug the 3D Pen and adaptor and store in a cool dry place, keep out of reach of children

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Parts List

1 x 3D Pen
3 x 3 Metre 1.75mm ABS Filament
1 x Power Adaptor
1 x Getting Started Guide
1 x Instruction Manual
1 x Warranty Card

Features

- Adjustable speed
- Adjustable heat settings
- Ceramin nozzle for heat insulation
- Ergonomic design for comfort

Technical Specifications

Extrusion:

Extruder Diameter:	0.7mm
Filament Input Speed:	Slow (Approx. 0.08cm/s) - Fast (Approx. 0.75cm/s)
Supported Print Materials:	Cocoon Filament (PLA/ABS)
	Temperature settings: 140°C - 190°C

Electrical:

Power Adaptor Input:	100V – 240V ~ 50/60Hz
3D Pen Input Rating:	12V ⎓ 3A

Physical Dimensions:

3D Pen Dimensions:	184 x 31 x 46mm
Weight:	65 grams

Product Overview

Fig. 1

1. Forward Button
2. Eject Button
3. Power Indicator
4. Filament Port
5. Power Jack
6. Heat Indicator
7. Temperature Dial
8. Speed Slider
9. Nozzle

Instructions

Connect to Power

Connect one end of the power adaptor to the power jack located at the end of the pen, then connect the other end to a mains power outlet and switch on. The Power Indicator LED will turn on.

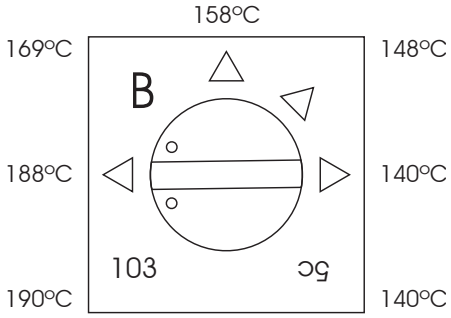
Heating the 3D Pen:

Press the Forward Button (refer fig 1, page 7) to begin heating the 3D Pen. The Heat Indicator LED will turn red when the 3D Pen begins heating. Once the 3D Pen has reached the pre-set temperature, the Heat Indicator LED will turn green.

Temperature Settings

The heating temperature of the pen is set at a default of 188ºC

Use a small flat head screwdriver (not included) to turn temperature dial to desired heating temperature. Turn clockwise to decrease and anticlockwise to increase the heating temperature.



TIPS:

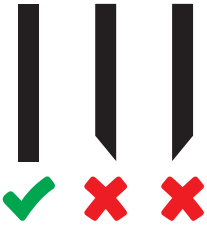
Below are some tips to determine if you will be required to change the temperature settings on your 3D Pen to improve the quality of your drawings:

- **a.** If bubbles are visible in the filament you have extruded, the heating temperature is too high. Reduce the temperature by 8-15 degrees
- **b.** If the filament is extruded slowly even when extrusion speed is set to high, or if filament also appears to have a dull finish, the heating temperature is too low. Increase the temperature by 5 degrees
- **c.** If the filament is extruded too quickly, it will come out in liquid form. This means the heating temperate is too high. Reduce the temperature by 10-18 degrees

Instructions

Trim Filament

Cut the filament to your desired length and ensure the tips of both ends are flat. This ensures the filament can be fed through the Filament Port smoothly.



WARNING: *Always trim the ends of ejected filaments prior to next use. Placing a melted end into the Filament Port can cause the material to jam inside the pen.*

Insert and Load Filament:

Insert one end of the filament into the Filament Port. Press and hold the Forward Button to begin loading until filament is extruded from the nozzle.

WARNING: *Only use Cocoon Filament for the Cocoon Create 3D Pen (PLA/ABS is recommended). Attempting to feed other materials through the filament port may cause damage to the 3D Pen internally, and may void your warranty.*

Draw:

Hold the Forward Button to extrude and draw. To stop, release the Forward Button. You can change the speed of the filament extrusion by adjusting the Speed Slider.

Adjusting Extrusion Speed

The Cocoon Create 3D Pen has a stepless Speed Slider. This allows you to adjust the speed the filament is extruded from the nozzle.

a. Move the Speed Slider forward towards the nozzle to decrease the speed

b. Move the Speed Slider backwards to increase the speed

NOTE: *The speed of the extrusion can also be influenced by the heating temperature pre-set. If the temperature is too hot for the PLA/ABS, filament will extrude quickly from the nozzle. If the temperature is not hot enough for the PLA/ABS, extrusion will be slow & dull*

Standby Mode

The 3D Pen will automatically switch to standby mode if left unused for 5 minutes. If the Heat Indicator's green light is off, the pen is in standby mode. Press the Forward Button to reheat the 3D Pen until the heat indicator LED light turns green.

FAQs

Question	Solution
Why isn't the Power Indicator light turning on?	• Check that power adaptor is plugged into the power jack of the 3D Pen and mains outlet properly and that the power outlet is switched on
My Pen is not heating up	• Check that the Power Indicator light is on • Press the Forward Button to start heating. When 3D Pen is being heated, the Heat Indicator LED will turn red
There is no filament extruding from the nozzle	• Check the Heat Indicator light is green to ensure pen is heated and ready for use • Ensure there is sufficient filament in the Filament Port. When filament's length is too short for extrusion, the sound of extrusion changes to a higher pitch, indicating to insert more filament. • Check that the temperature is set hot enough to heat the filament. You can adjust and increase the heating temperature if necessary. Refer to pg 8 for Temperature settings • The filament may be jammed inside the port. Press the Eject Button and trim off the ends of the filament and reinsert.
A lot of vapours/fumes during extrusion	• The heating temperature is too high for the filament. Decrease the temperature using the Temperature Dial
The filament is extruding too fast	• The heating temperature is too high for the filament. Decrease the temperature at the Temperature Dial • Decrease the speed of extrusion by moving the Speed Slider towards the nozzle
Filament is not sticking to surface	• Ensure surface is clean and free from dust • Angle the pen so that the filament is forced onto the surface
Can't build in 3D - filament doesn't support itself	• Decrease the speed of extrusion by moving the Speed Slider towards the nozzle

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Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost. **We recommend you save this data elsewhere prior to sending the product for repair.**

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 663 907 or write to us at:

Winplus Australasia
PO BOX 537
Bayswater Business Centre
Bayswater, VIC 3153

Winplus Help Desk 1300 663 907
(Operating Hours: Mon-Fri 08:30AM to 6:00PM)

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www.winplus.com.au

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