multicomp

3D Printing Pen

Model: 310-0900

Please read these instructions carefully before use and retain for future reference.
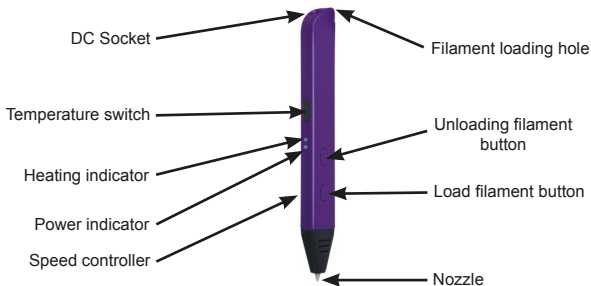
IMPORTANT SAFETY INFORMATION

- This pen is suitable for use by children over 8 years and adults. Children must only use the pen under supervision from an adult.
- Do not touch the nozzle as it can reach a very high temperature.
- Do not input any other material into the filament loading hole.
- Do not use any power adaptors provided by another manufacturer.
- Do not use any filament provided by another manufacturer due to different parameters of filament.
- Keep the pen away from water at all times.
- Store the pen in a safe place out of the reach of children.

WHAT'S INCLUDED

- AC/DC adaptor
- Filament
- User manual
- 3D pen
- Plastic screwdriver (to adjust the temperature and open the back cover)

PRODUCT OVERVIEW

DC Socket — Filament loading hole

Temperature switch — Unloading filament button

Heating indicator — Load filament button

Power indicator —

Speed controller —

Nozzle

OPERATION

- Connect the AC/DC adaptor to the AC power socket and the 3D pen to the DC power socket. When the red LED comes on, the pen is in standby status.
- Press the filament loading button in order to start heating. The green light will flash and after around 40 seconds, the green light will stop flashing, indicating that it is ready for

     loading filament.
- Insert the 1.75mm filament into the filament loading hole. Keep pressing the filament loading button and the material will be loaded.
- Hold until the plastic material comes out from the nozzle. Double click the filament loading button to load the filament automatically and then press the button again to exit automatic mode.

Temperature Adjustment
- To adjust the temperature, open the back cover and use the plastic screwdriver to turn the temperature switch either clockwise to increase the temperature, or anticlockwise to reduce the temperature.
- Note: each level is 15°C and the temperature range is from 130°C to 240°C.

Speed Adjustment
- Slip the speed controller to adjust the speed.

Unloading Filament
- To unload the filament keep pressing the unload filament button. Double click the button to unload the filament automatically and press the button again to exit the automatic mode.

Replacing the Nozzle
- Open the back cover using the plastic screwdriver and remove the screw, before removing the nozzle.

- The pen will enter standby mode after 2 minutes of no operation. Press the load filament button to wake it up.
- Do not touch the nozzle during working.

SPECIFICATION

Discharging mode	Hot melt extrusion molding
Molding	Three-dimensional
Print range	Unlimited
Feeding speed	Adjustable
Printing material	PLA, ABS
Electric parameter	DC 5V, 2A, 10W
Nozzle diameter	0.6mm
Filament diameter	1.75mm
Filament temperature	ABS 210°C, PLA 175°C
Power adaptor electric parameter	100-240V 50/60Hz 2A
Equipment dimensions	175 x 17 x 20mm
Equipment net weight	40g

FILAMENT CUT

Correct	Wrong	Wrong

TROUBLESHOOTING

Default	Reason	Solution
The power indicator light does not flash.	Power adaptor or plug line defective.	Repair or replace the power adaptor.
	Motherboard defective.	Repair or replace the motherboard.
	Socket lead off.	Solder the socket.
No filament comes out from the nozzle.	Nozzle blocked.	Replace the nozzle set.
	Temperature not high enough.	Replace the nozzle set or adjust the temperature.
	No working temperature.	Replace the nozzle set or check the motherboard.
	Gear slips.	Move out filament, clean the gear, cut off the damaged filament and then reload it.
	Failed to load filament.	Unload filament and cut the end off the filament.
	Motherboard defective.	Repair or replace the motherboard.
No working temperature.	Heating partly defective.	Replace the nozzle set.