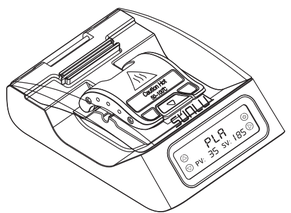
SUNLU

Filament Connector

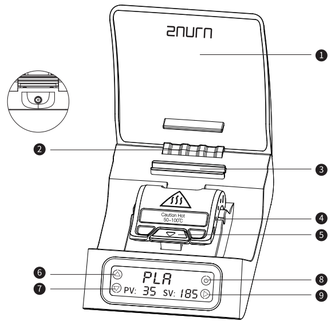
# Usage Instructions

（FC01）




CE | FC | RoHS |

## 01/Product Parts Description




| | |
|---|---|
| ❶ Upper Cover | ❻ Up Botton(for switching filament type) |
| ❷ power port | ❼ Down Botton(for switching filament type) |
| ❸ Cutting Slot | ❽ Power Switch Button |
| ❹ Heating Slot | ❾ Settings Button |
| ❺ Heating Cover Switch Button | |

## 02/Components

| Name | Main Unit | USB cable | Fusion Sleeve (PTFE Tube) |
|---|---|---|---|
| Quantity | 1 pcs | 1 pcs | 200 pcs |
| Picture |  |  |  |

## 03/Product Specifications

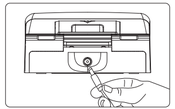
| | |
|---|---|
| Size | 111×79.4×38mm |
| Net Weight | 143g |
| Operating Environment Temperature/Humidity | 10°C-25°C，Humidness≤90% |
| Maximum Temperature Resistance | ≤250°C |
| Power Input Specification | DC 5V 2A |
| Standby Current | 15mA |
| Maximum Working Current | 2A |
| Filament Diameter | 1.75±0.03mm |

## 04/Common Troubleshooting:

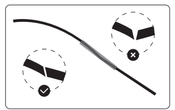
If you encounter the following issues during use, please try the solutions below. If the issue persists, please contact us

| Issue | Possible Causes | Troubleshooting Methods |
|---|---|---|
| ER1 | Temperature anomaly | Check whether the connecting wires of the heating element are disconnected |
| ER2 | Overtemp Warning | Please contact us |
| When connected to power,the following issues occur: automatic shutdown; screen dimming; screen displays "888"; no displays and the device powers off | The USB cable is incompatible | Ensure usage of the product's standard USB cable |
| | The adapter has inadequate power | Replace with an adapter of 5V 2A or higher spec and make a new attempt |

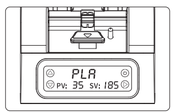
## 05/Instructions



1. Connect to Power Supply，Press the (⏻) Power Button.

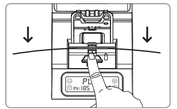


2. Insert both ends of the filaments to be joined into the sleeve.
(Recommended to cut at an angle for a larger contact area)

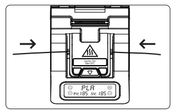



3. Press the (Ⓟ) Settings button,Use the (▽△) up/down buttons to select the filament materials,Click the setting button again to enter the temperature (Ⓟ) setting interface, Use the (▽△) up/down bottons to adjust the default fusion temperature, wait for the beep sound, indicating that it has heated to the set temperature.
(Notes：The two ends of the filaments must be the same material, Different filament materials cannot be fused together，(e.g.,PETG cannot be fused with PLA).

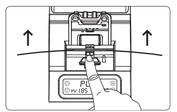
| Filament Material | PCL | PLA | ABS | PETG | PA/PC |
|---|---|---|---|---|---|
| Default Fusion Temperature | 85°C | 185°C | 220°C | 210°C | 230°C |
| Heating Time | 1min | 3min | 3min-4min | 3min-4min | 5min |
| Recommended Fusion Time | 5s-6s | 7s-8s | 7s-8s | 7s-8s | 9s-10s |



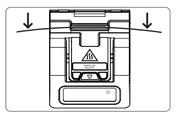

4. Press the heating cover switch button，Place the connected portion of the filament inside the heating slot , Close the heating cover，Lock the switch clip.



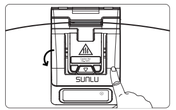

5. When the welding time is reached, the machine will sound a prompt tone. Hold both sides of the wire with both hands and push it inward slightly until the buzzer sounds to ensure sufficient contact at the interface.



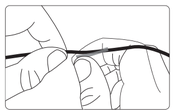

6. Press the heating cover switch button,Hold both sides of the filament,Slowly remove the filament,Let it cool for 5-10 seconds，During cooling, turn off the power to prevent accidental burns from subsequent operations



7. Once cooled,place the filament ends into the cutting slot,Make sure the joint is positioned in the cutting slot.




8、Press the top cover down firmly,The blade under the cutting slot will cut the sleeve, Remove the filament and sleeve.



9、As shown is the cut sleeve.

## 06/Certificate of Conformity

| | |
|---|---|
| Product Name： | Manufacture Date： |
| Inspector： | Inspection Date： |


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Video tutorial

Fault analysis