CREATOR PRO

Quick Start Guide

SZ10-EN-002

FLASHFORGE ®
3D PRINTER

Caution
1. Do not remove the wrapping around the nozzle.
2. If print with PLA filament, please remove the lid and open the front door to ventilate for a better printing performance.

Warning
1. High Temperature! Plate may have been heated before; make sure it has cooled down before inner operation.
2. Loose clothes, jewelry and long hair can be caught in moving parts. Please keep away from them.

User Guide
The User Guide is in SD card.

This guide only applies to Creator Pro 3D printer of Flashforge

1 Kit Contents
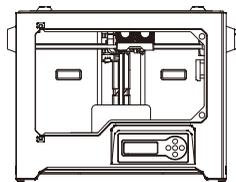
3D Printer
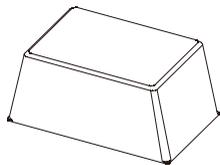
Lid
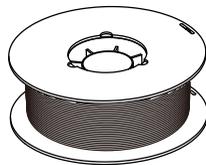
Filament Spool X 2
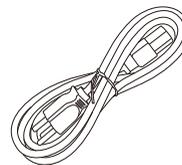
Power Cable
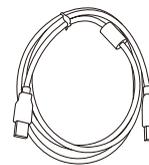
USB Cable
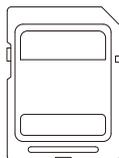
SD Card

Filament Guide Tube X 2
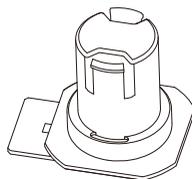
Spool Holder X 2

Quick Start Guide

Build Tape X 2

Leveling Card

Tool Bag

Extruder's Accessory Kit

Tool bag:
(Allen Wrench X 3 / Leveling knob X 1 / M3X8 Bolt X 2 / PTFE Tube X 2)

Extruder's accessory kit
(M3X8 Bolt X 2 / M3X6 Bolt / Turbofan baffle)

2 Getting to Know Your Creator Pro
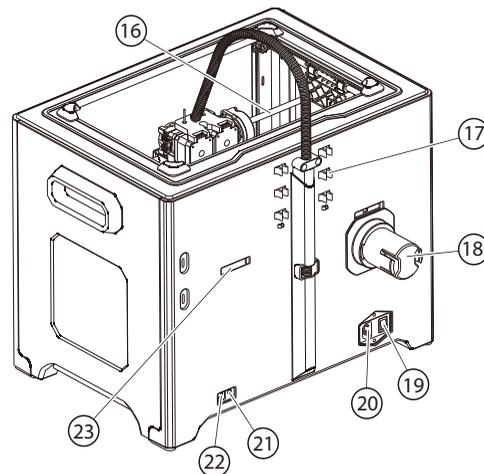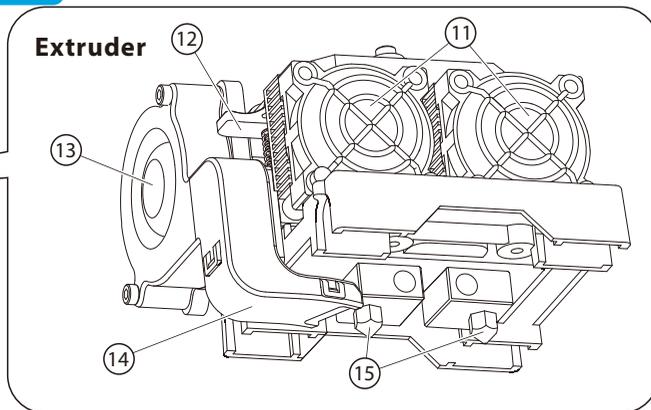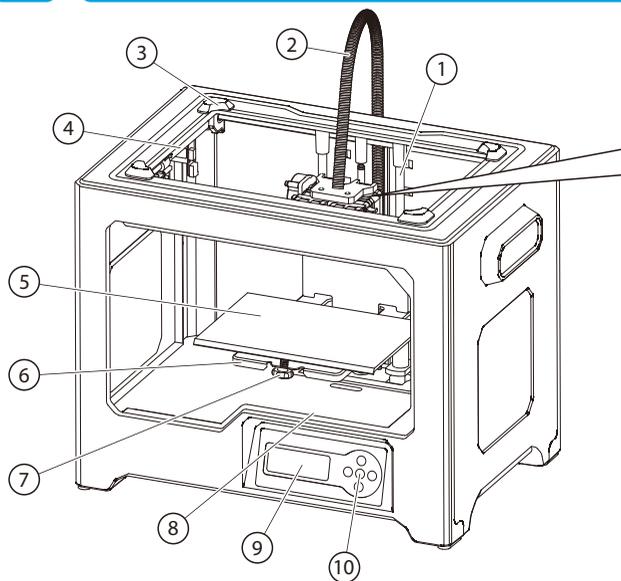
Extruder

1. Z-Axis Guide Rod
2. Extruder Cable Bunch
3. Slot
4. Y-Axis Guide Rod
5. Build Plate
6. Build Platform
7. Leveling Knob
8. SD Card Input
9. LCD Panel
10. Buttons
11. Cooling Fan
12. Spring Presser
13. Turbofan
14. Turbofan Baffle
15. Nozzle
16. X-Axis Guide Rod
17. Filament Guide Tube Buckle
18. Spool Holder
19. Power Switch
20. Power Input
21. Reset Button
22. USB Input
23. Quadrangular Opening

1. Open the carton and then take the top foam sheet out.

2. Within the PE foam sheet are lying two filament guide tubes, one piece of build tape, one piece of Flashforge leveling card and one Quick Start Guide.

3. Firmly grasp the two side handles of Flashforge Creator Pro. Lift it out from the carton and place it on a stable surface.

4. Remove the packing bag. And then remove the tape and plastic wrap for protecting the front door.
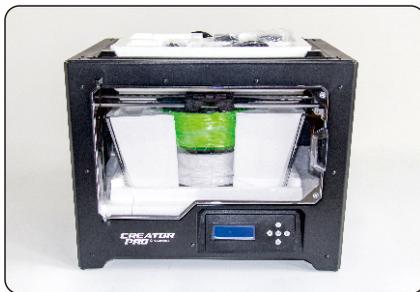
5. The Flashforge Creator Pro and its accessories shall be displayed in front of you.
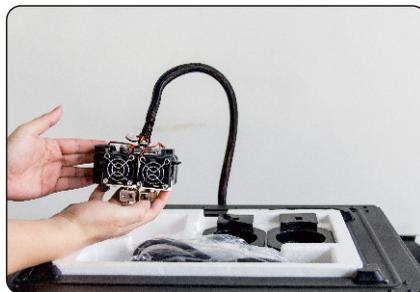
6. Take the dual extruder out and place it onto a clean ground.
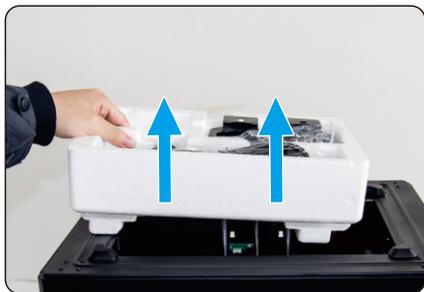
7. Take the accessory foam container out, within which are lying a power cable, a USB cable, two spool holders, a SD card, a tool bag and a extruder's accessory kit.
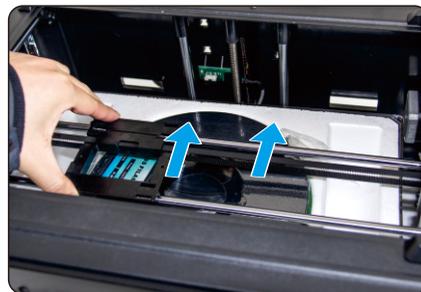
8. Slide the X-axis Rods to the very back.

9. Take the lid together with two rolls of filament out from the printer.

10. Take the two rolls of filament out from the lid.
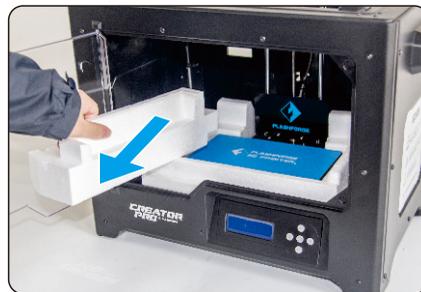
11. Take the side protective foam sheets from the printer.
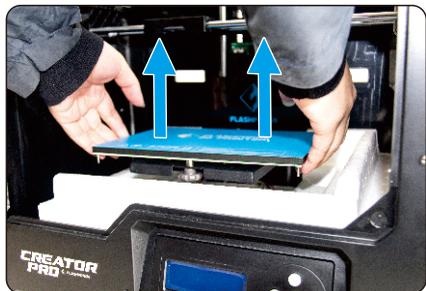
12. Elevate the build plate to its limit.
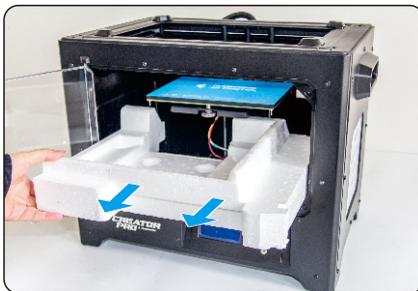
13. Take the bottom protective foam from the printer.
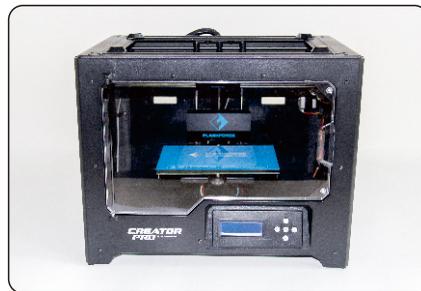
14. Congratulations! You've finished the unpacking process. (Tip: Save your Flashforge Creator Pro packaging for future transportation and storage.)

Installation and Dismantlement

Relief Angle

Anterior Angle
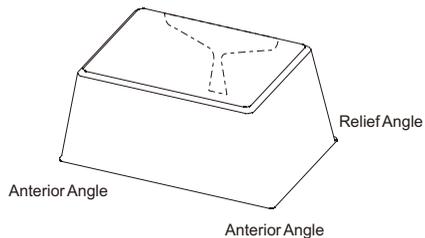
Anterior Angle

1. Place two anterior angles the corresponding front slots.
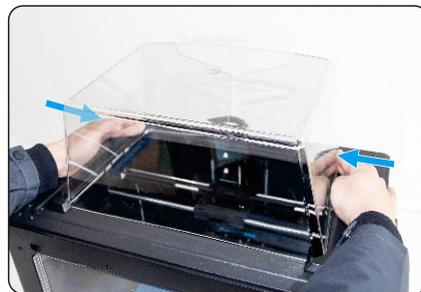
2. Squeeze slightly the two relief angles and place them to the corresponding rear slots.

Bolt Hole   **Bolt Hole**

Bolt Hole

Bolt Hole

X-Axis Guide Rod
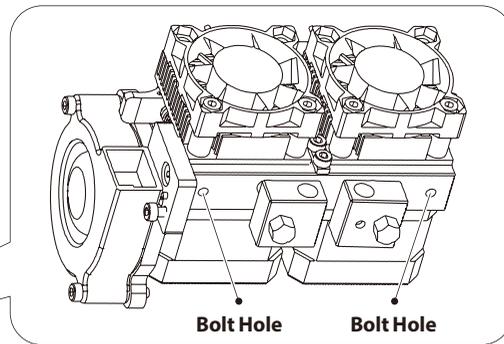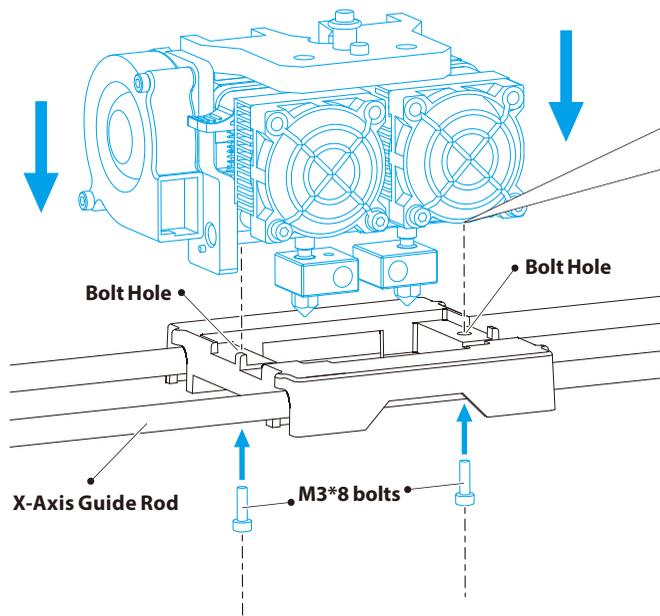
M3*8 bolts

Extruder Assembly

(1) Place the dual extruder on the extruder seat.
     (As shown in the left picture)
(2) Take the M2.5 Allen Wrench from the tool bag and two
     M3*8 bolts(longer ones) from the extruder's accessory kit.
(3) Adjust the extruder location to align the bolt holes.
(4) Secure the extruder onto the extruder seat by screwing
     the M3*8 bolts in.

(1)

(2)
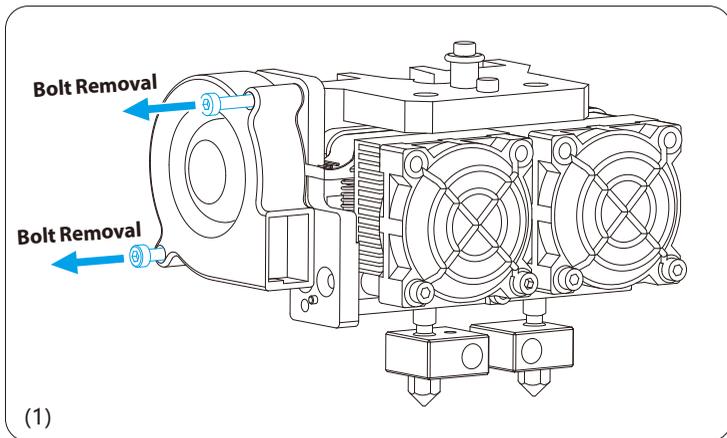
Turbofan Baffle Assembly

(1) Use the M2.5 Allen Wrench to remove two turbofan bolts.
  (As shown in the picture above)
(2) Take the turbofan baffle from the extruder's accessory kit.
(3) Install the turbofan baffle to the turbofan.
  (As shown in the top-right picture)

Caution: During installation, please take care of the turbofan cable.
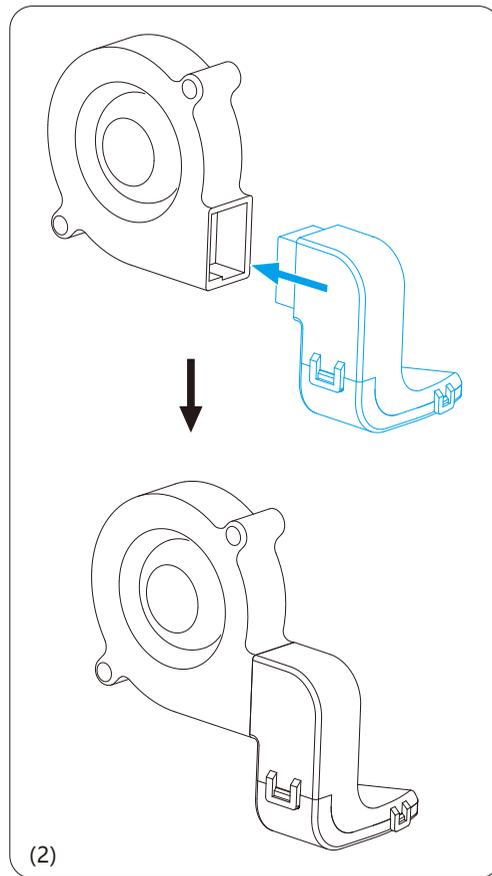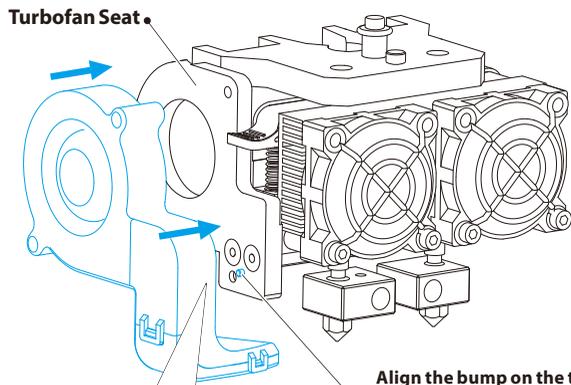
Turbofan Seat

(1) Place the turbofan sub-assembly besides the turbofan seat.
(2) Insert the bump on the turbofan seat to the turbofan sub-assembly.
(3) Screw the two bolts in.
(4) Take a M3*6 bolt from the extruder's assembly kit and complete
    installation according to the instruction below.
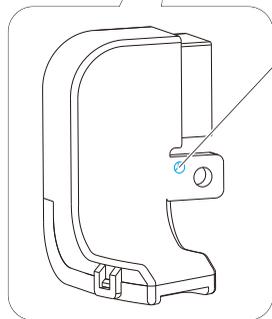
Align the bump on the turbofan seat to the hole in turbofan sub-assembly.

Bolt Mounting

Bolt Mounting

M3X6 Bolt Mounting

(1)

(2)
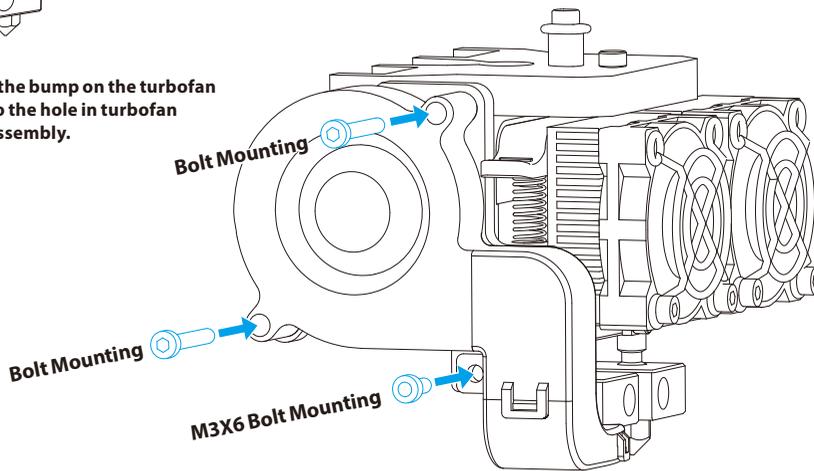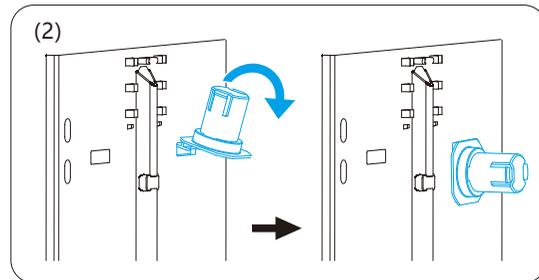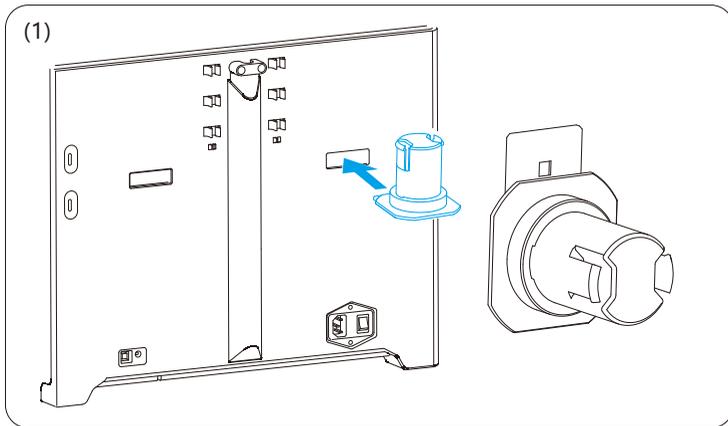
Filament Guide Tube and Filament Installation

(1) To install a spool holder, level it and insert the end into the corresponding opening.
(2) Turn down the spool holder to make the holder bottom cleave to the printer back.
(3) Take a roll of ABS filament, then squeeze the spool holder top and mount the filament spool to the holder.
(4) Lock the filament guide tube with R-shape buckles.

(3)

Please refer to the next page for the right method of filament mounting

ABS

(4)

Filament Guide Tube Buckle
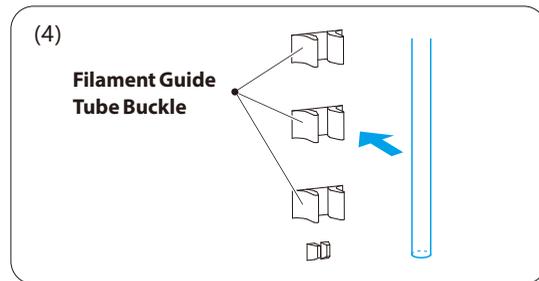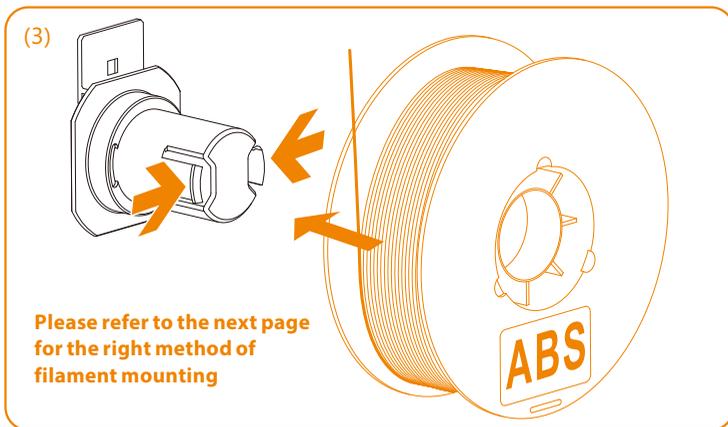
Tips

- **The filament spool should unwind in the right direction. (As shown below)**
- **The filament guide tube should be appropriately used for stable printing and printer protection.**
- **The test Gcode file requires ABS filament for printing.**

5 Leveling Build Plate

(1)

SD Card Input

(2)

FF Creator Pro
→ Print from SD
 Preheat
 Utilities

▶ –
→ ▶ ENG
 Exit Menu
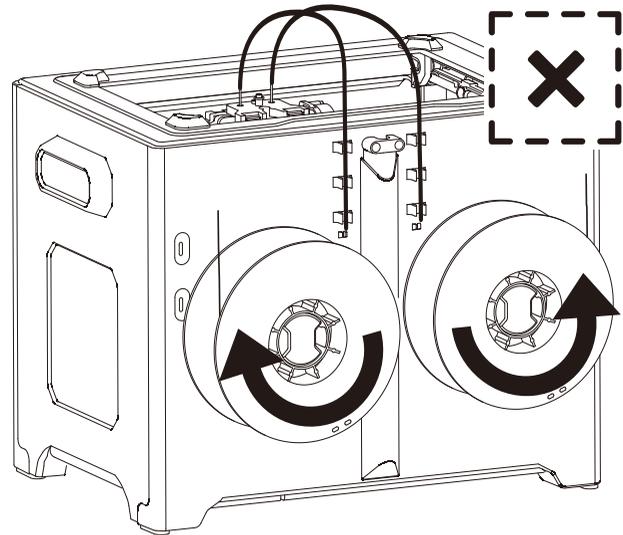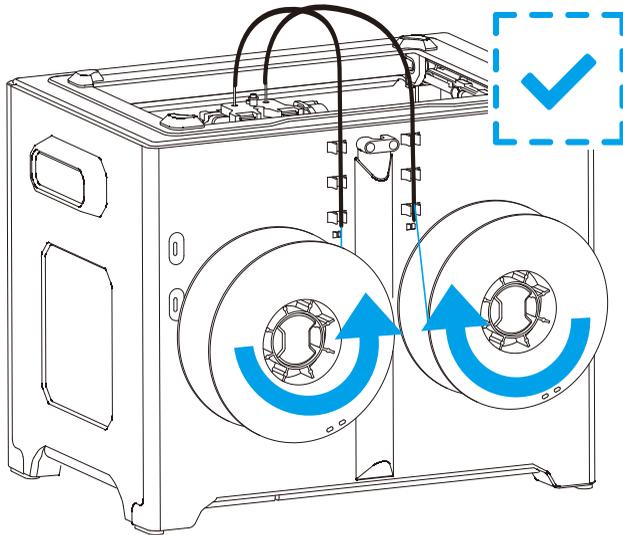
→ PlateLeveling.x3g
 ▶ type
 ▶ 1
 Exit Menu
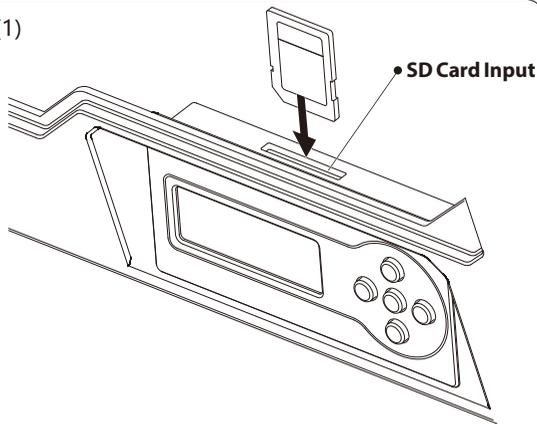
(1) Attach the power supply, plug the power cord into an electrical outlet and turn on the printer.

(2) Insert the SD card into the slot. Select [Print from SD] and press [OK]. Select [ENG] and press [OK].

Then you will see the **[Plateleveling.x3g]**.

Adjust the leveling knobs to level the build plate
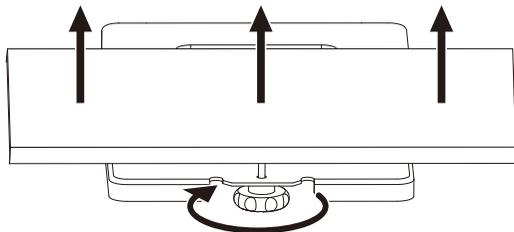
Turn the knob clockwise

Raise the build plate to reduce the distance between the nozzle and build plate.
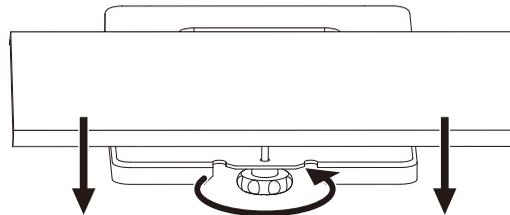
Turn the knob anticlockwise

Lower the build plate to increase the distance between the nozzle and build plate.

How to level the build plate

(1) Tighten the three leveling knobs under the build platform until you cannot tighten them any more.

(2) Select the PlateLeveling.x3g on the control panel, and press [OK] to start leveling.
Then press [OK] for page-turning to read the leveling instructions.

(3) The build plate and the nozzle start moving, once they suspend, you need to adjust the corresponding knob under the right nozzle.

(4) As you adjust the knob, make sure the leveling card just slides between the nozzle and build plate. You should feel some friction on the card but still be able to pass the card between the nozzle and build plate. (If the card can slide easily, you should rotate the knob clockwise to decrease the distance. On the contrary, you should rotate the knob anticlockwise to increase the distance.)

(5) When you finish leveling the first point, you should press [OK] to level the next point.

(6) After adjusting the three knobs and making a check when the nozzle is at the center of the plate, you finish the build plate leveling, press the left arrow to return to the main page.

Right Nozzle
The distance should be that between the right nozzle and build plate.
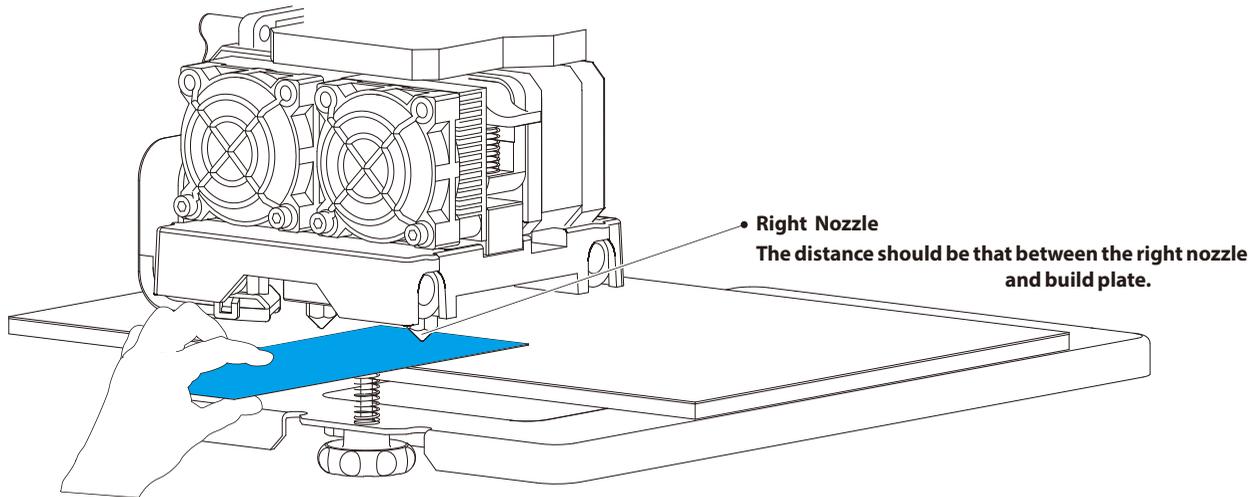
(1) Select [Utilities] and press [OK]. Then select [Filament Loading] and
     press [OK] to enter the filament loading/unloading page.
(2) Select [Load Right] or [Load Left] according to your requirement,
     and the press [OK].

(1)

FF Creator Pro
Print from SD
Preheat
→ Utilities

Monitor Mode
→ Filament Loading
Preheat Settings
General Settings

(2)

Unload right
→ Load right
Unload left
Load left

Heating: ▮▮▮▮▮▮▮▯

(3)
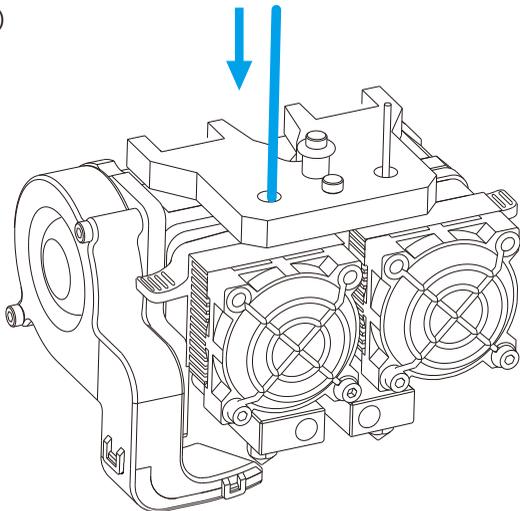
(3) The extruder will be heated up automatically. Once heated,
     insert the filament coming from the filament guide tube into the
     filament intake. Then the filament will be drawn through the
     extruder.
(4) Do not stop extruding until the filament exits the extruder steadily.
(5) Press [OK] to complete filament loading and return to the main page.

7 First Print

(1)

```
    FF Creator Pro
→ Print from SD
  Preheat
  Utilities
```

```
  ▶ _
→ ▶ ENG
  Exit Menu
```

```
  ∧ ▶ test model
  Exit Menu
```

(2)

```
  ↰ ..
  42mmboxleft.x3g
  42mmboxright.x3g
∨ cube.x3g
```

```
∧ test left.x3g
  test right.x3g
  Exit Menu
```

(3)

```
Heating: ■■■■■
R  Extruder:   021/220C
L  Extruder:   021/220C
Plantform:     021/110C
```
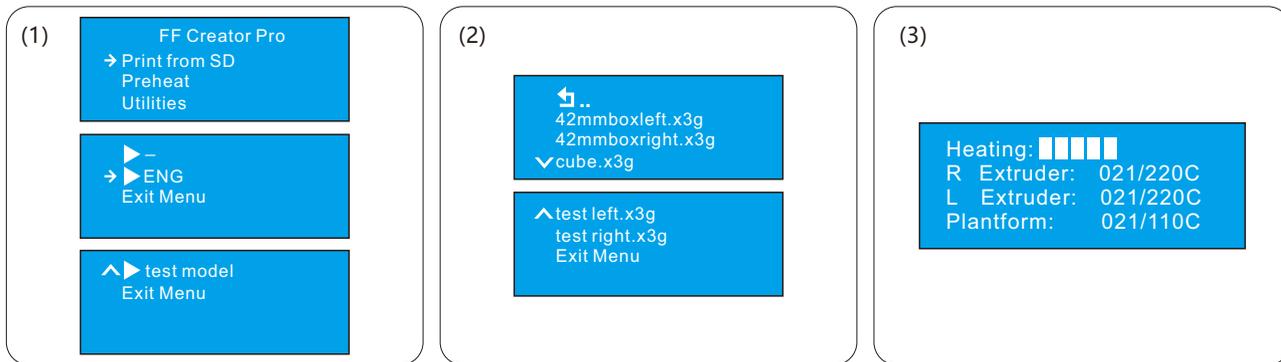
(1) Select [Print from SD]--[ENG]--[test model] successively.
(2) Next you can select the target file you want to print.
   (Note: Use the left extruder to print test left. x3g while use the right extruder to print test right. x3g.)
(3) After selecting the file, press [OK] and wait for the extruder to heat. Once heated, the printer will start printing automatically.

Notes

1. You are suggested to use the left extruder to print with PLA, while the right extruder to print with ABS.
2. Load the filament for a while to extrude the melted filament out of the extruder that you printed last time.
3. Do not leave the Creator Pro unattended during operation.
4. If needed, gently use the scraper to remove the object from build plate to avoid damaging the objects and build plate. If desired, heat the build plate to 40~50℃ to separate the object from the build plate.
5. Please preheat the heating plate to 50-70℃ for printing with PLA.

For your better operation,
please read the User Guide carefully.