

# Dreamer

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## Quick Start Guide



### Caution

1. Do not peel the yellow film from the build plate. It is heat-resistant tape, which makes objects stick to the build plate easily.
2. Do not remove the wrapping around the nozzle. It consists of ceramic fiber and heat-resistant tape that help to keep the nozzle at a constant temperature so as to extrude the filament fluently.
3. If print with PLA filament, please remove the lid and open the front door to ventilate for a better printing performance.

### Warning

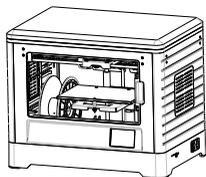
1. High Temperature! Platform may have been heated before; make sure it has cooled down before inner operation.
2. Loose clothes, jewelry and long hair can be caught in moving parts. Please keep away from them.

**This guide only applies to Dreamer 3D printer of Flashforge**

# 1

# Kit Contents

Parts with ★ are packed in tool box.



**Dreamer 3D Printer**



**Quick Start Guide**



**Power Cable**



**USB Cable**



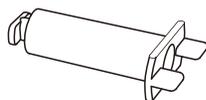
**Build Tape**



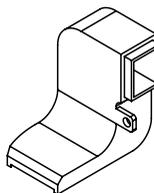
**Leveling Tool**



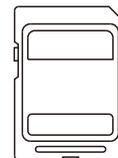
**Filament Spool\*2**



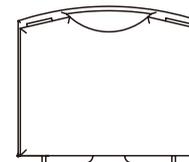
**Spool Lock\*2**



**Turbofan Baffle**



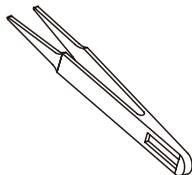
**SD Card**



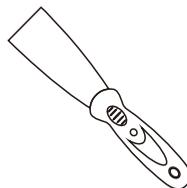
**Tool Box**



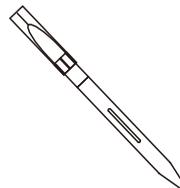
★ **Screw Box**



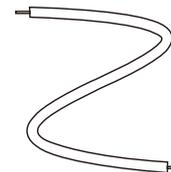
★ **Tweezer**



★ **Scraper**



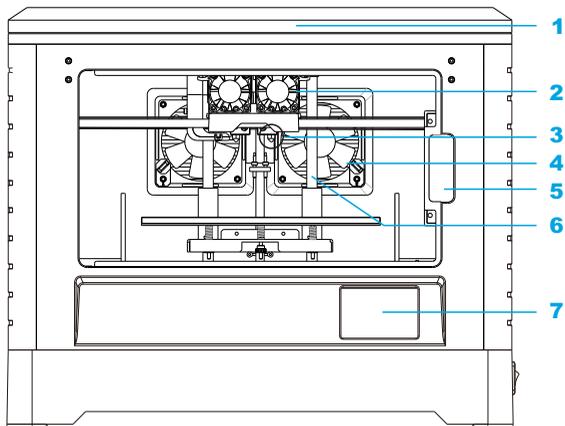
★ **Graver**



★ **Sensor Cable**

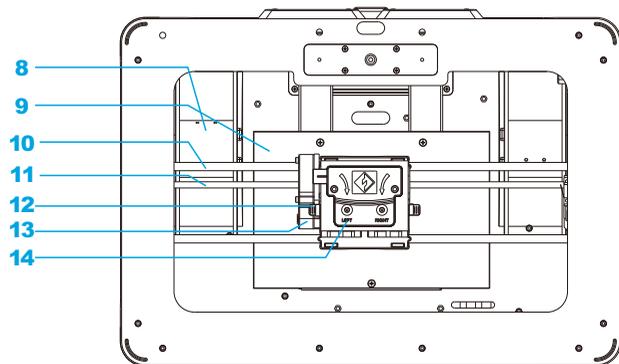
## 2

# Getting to Know Your Dreamer

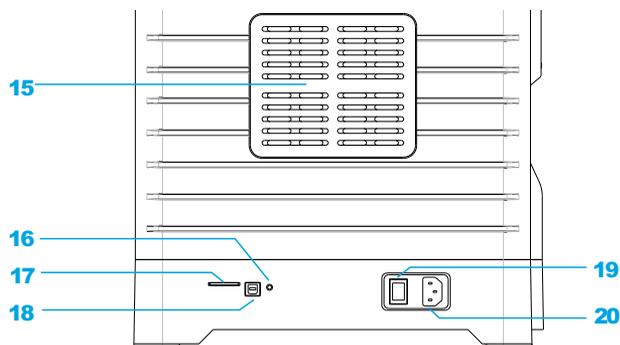


### Notes

Read all instructions and notes in the Quick Start Guide and Users Guide before setup and use.



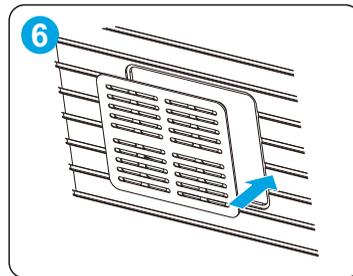
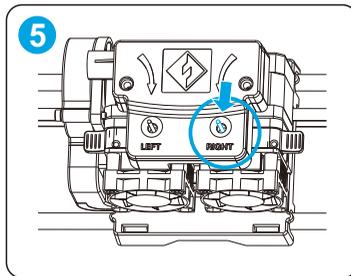
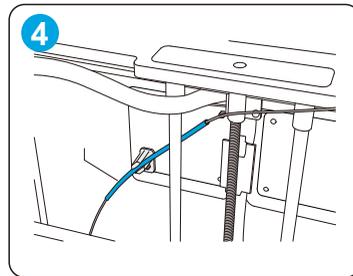
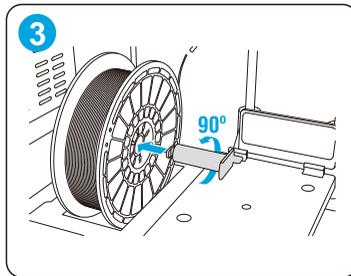
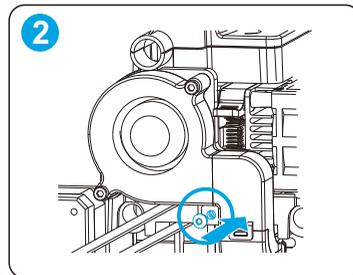
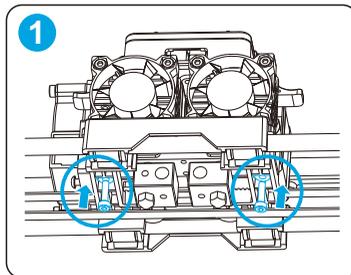
- |                    |                     |                  |
|--------------------|---------------------|------------------|
| 1 Lid              | 9 Build Plate       | 17 SD Card Input |
| 2 Extruder Fan     | 10 X-Axis Guide Rod | 18 USB Input     |
| 3 Nozzle           | 11 Timing Belt      | 19 Power Switch  |
| 4 Ventilating Fan  | 12 Spring Presser   | 20 Power Input   |
| 5 Front Door       | 13 Turbo Fan        |                  |
| 6 Z-Axis Guide Rod | 14 Filament Intake  |                  |
| 7 Touch Screen     | 15 Side Panel       |                  |
| 8 Filament         | 16 Reset Button     |                  |



### 3

## Hardware Assembly

- 1** Lay the extruder set on top of extruder seat with two extruder fans facing the front; align the screw holes and secure the extruder set onto the extruder seat by tightening two M3x8 screws from the bottom up with a  $\Phi$  2.5mm Allen Wrench.
- 2** Take out turbofan baffle, and attach it onto the left side of the extruder set. Secure it by tightening a M3x6 screw with 2.5mm Allen Wrench.
- 3** Place filament spool onto spool holder with spool being fed from the bottom towards the back of the Dreamer. Lock the filament in place by securing it with the filament spool lock and turning it counter-clockwise.
- 4** Thread the filament through the filament guide tube, and attach the guide tube onto the two filament guide tube brackets to avoid filament winding.
- 5** Press the spring presser, and insert filament into filament intake.
- 6** Take out the two side panels and install them onto the two sides of Dreamer body according to illustrations.

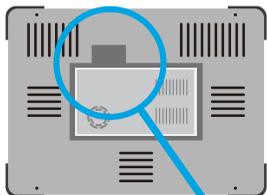


# 4

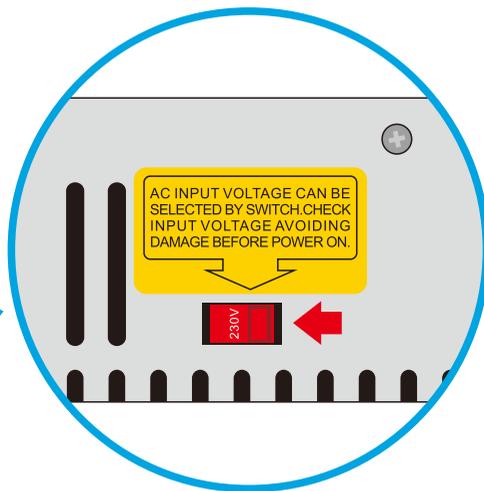
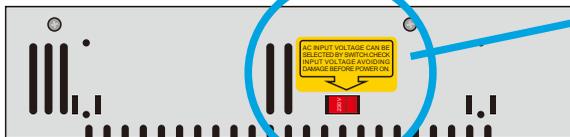
## Changing Voltage on Dreamer Power Supply

### PRECAUTION

Flashforge Dreamer uses a switching power supply with 115V/230V. Prior to installing the hardware, it is critical to check the AC output voltage of your home or workplace. The power supply should be switched to reflect your AC output voltage. Failure to do so will cause severe damage to the Dreamer. Please follow the steps below to switch to the correct voltage. For the United States and Canada, the correct voltage to use is 115V. For European countries, use 230V. Please double-check as FLASHFORGE will not be responsible for damages due to improper.



1. The power supply is located at the bottom of the Dreamer. Gently rest the Dreamer with the front panel facing down. Hold the extruder set while doing this. You will see the power supply switch.
2. Using a hex wrench, switch it to the appropriate voltage for your country.



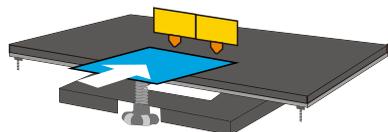
## 5

## Leveling the Build Plate

1



- 1 The blue build tape has been pasted on the build plate before leaving factory. (If changing tape is needed, please heat the build plate up to 110 °C for easier operation.)



 Turn the nut clockwise

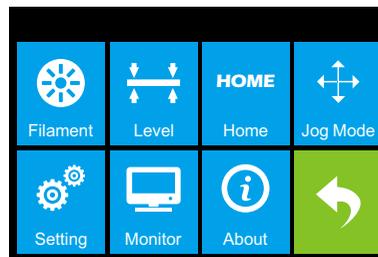
Raise the build plate to reduce the distance between the plate and nozzle.

Turn the nut anticlockwise 

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

- 3 Once the extruder and build plate stop moving, slide the leveling tool (a blue sheet) continuously back and forth between the nozzle and the build plate. And simultaneously adjust the screw just enough so that the paper causes a slight friction. (Scan the QR code on the leveling tool card to watch the instructional video.)

2



- 2 From the main menu, tap [Tools] and [Level]. The extruder and build plate will begin to move to the starting position.

Please adjust the front thumb screw under Platform when stop.

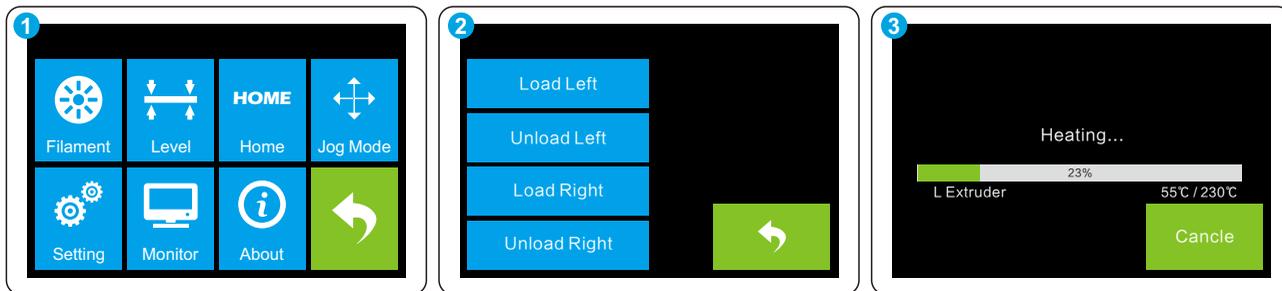
Next



- 4 Tap [Next] to start the second position leveling and repeat the same leveling technique, and then go on with the other positions to finish this leveling.

## 6

## Loading Filament



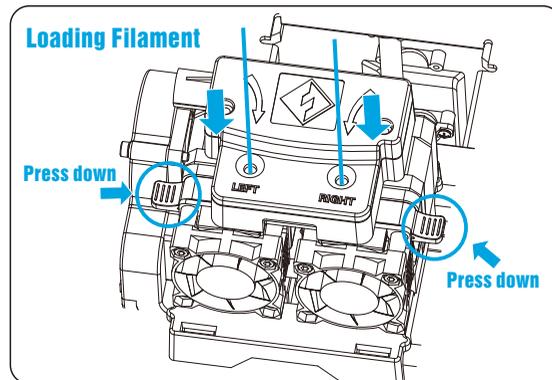
1. Remove the lid of the Dreamer; tap the right icon labeled [Tools], then tap [Filament].
2. Select [Load Left] or [Load Right] as you want.
3. Wait for the extruder to heat up to the operating temperature with an alert.
4. Secure the filament with a flat cross-section and load it by inserting the filament into the extruder at an upright angle, meanwhile press down the spring presser.
5. Filament will start to extrude out of the nozzle. Continue loading to ensure that the filament is extruding in a straight line.

## Changing Filament

1. Cut off the filament.
2. Tap [Tools]--[Filament]--[Load Left / Right] options in sequence to load the snipped filament into the extruder.
3. When the snipped filament is extruded out of the nozzle, repeat the last three steps of loading filament to complete operation of changing filament.

## Notes

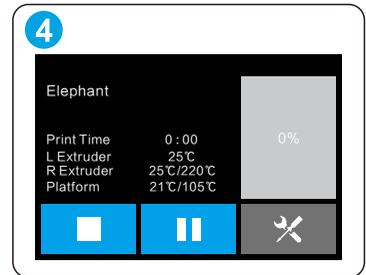
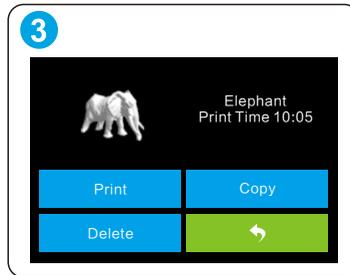
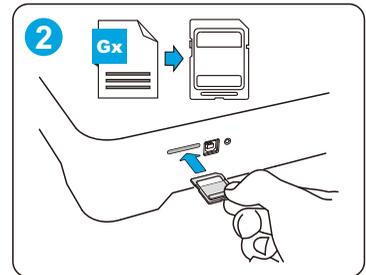
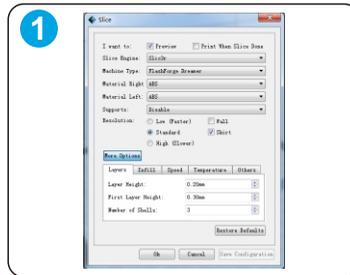
Do not pull out the filament with force as it will damage the gears. If the melted filament has cooled down in the extruder, please repeat the steps of changing filament to load new filament.



# 7

## First Print

- 1 Adjust the model to the right position in the FlashPrint software, then click [Print], and a printing options screen will show up. After the settings are set, click [OK] to slice and generate Gx file.
- 2 Copy this Gx file into SD card and insert SD card. Turn on the Dreamer. Ensure the build plate is leveled and load the filament in a right way to ensure the filament is extruding in a straight line.
- 3 Tap [Print] in the main menu of screen, and then tap [SD Card] to select the .g file you want to print.
- 4 Once tap [Print], the Dreamer will start to preheat 5-10 minutes to the operating temperature and then start the print.



## Notes

1. Load the filament for a while to extrude the melted filament out of the extruder that you printed last time.
2. Do not leave the Dreamer unattended during operation.
3. 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 °C to separate the object from the build plate.
4. Please preheat the heating plate to 50-70 degrees Celsius for printing with PLA.