

Professional users only

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

The power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.

For CE: LED system Risk Group is RG3



RISK GROUP 3



CAUTION Ultraviolet emitted from this product. Eye or skin irritation may result from exposure. Use appropriate shielding.

Note: Reflex 2 uses 393 nm light source curing, please do not look directly at the UV light when printing; Wear protective glasses and gloves when necessary.

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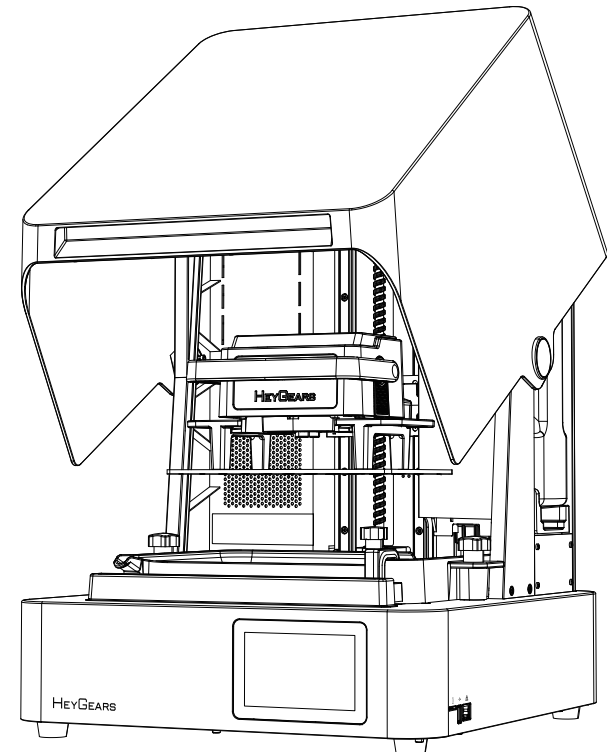
📍 USA-17931 Sky Park Circle, Suite E, Irvine, CA, 92614
CHN-Block B2, 501, 601, Enterprise Accelerator, Kaifu District, Guangzhou City

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Reflex 2

Professional Grade 3D Printer



Please make sure to read and understand this Quick Start before unpacking and installing.

Thank you for choosing HeyGears. For your own safety, please operate as per this Quick Start. If you fail to comply with the instructions in this manual, HeyGears will not be liable for the consequential damages unless required by all applicable laws and regulations.

Please keep this operation manual properly for future reference. The pictures are for reference only and the products are subject to the actual product.



Please scan the QR code to watch the guide videos.

1 Items & Parameters



Reflex 2
3D Printer

X1



Power
Cord

X1



Build
Platform

X1



Resin
Tank

X1



Regular
Scraper

X1



Part Removal
Tool

X1



Resin-Refill Lid

X1



Spatula

X1



T-Type Wrench

X1



After-sales
Service
Guide

X1

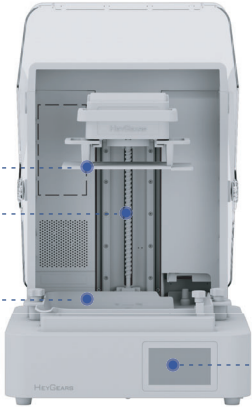


Quick Start
Guide

X1

Name	UltraCraft Rapid Production System	Input	100–240 V~ 50/60 Hz
Model	UltraCraft Reflex 2	Weight	25.5 kg
Dimensions	430*445*605 mm	Power	350 W

2 Components

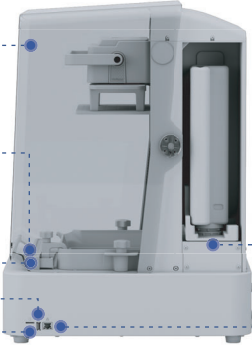


Build Platform

Main Axle

Resin Tank

Touch Screen



Hood

Scraper Cover

Resin Cartridge Slot

Scraper

USB Port

TF Card Slot

Ethernet Port



Pulsing Air Path Port

Pulsing COM

Power Switch

3 Installation Requirements



Position the device on a level, stable table.

 100–240 V power socket nearby.

 Away from direct sunlight.

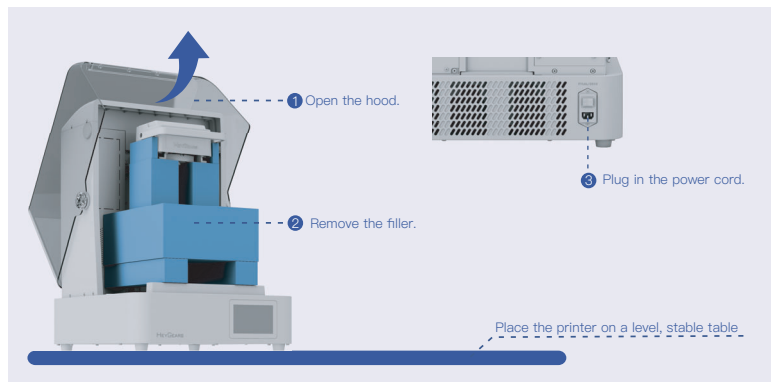
Temperature & Humidity maintains at:

 18~25°C  <50%

4 Operation Steps

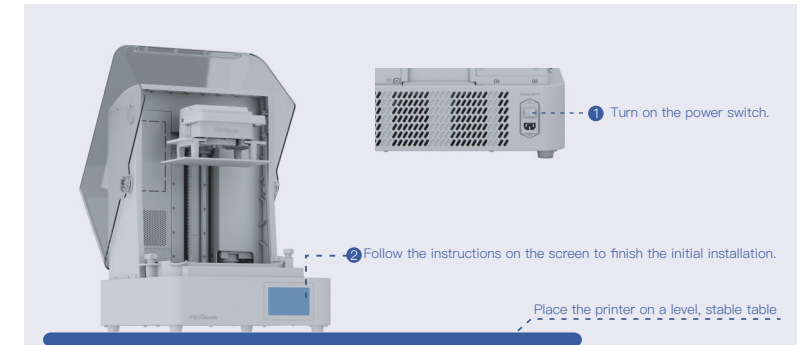
STEP 1

Place the printer on a level, stable table, and check its appearance to confirm if it's in good condition. Lift the hood to its highest position, take out the filler, and then plug in the provided power cord to the position as the image shows.



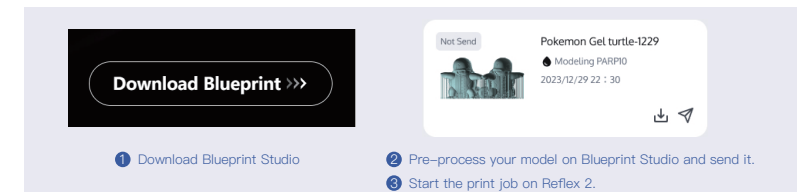
STEP 2

Turn on the power switch, the touch screen will light up. Then follow the instructions on the screen to finish the initial installation guide.



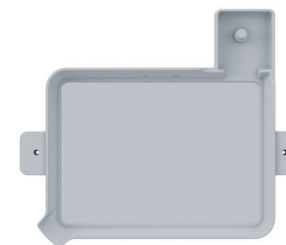
STEP 3

Afterward, please download Blueprint Studio from <https://www.hey-gears.com/SAP/Blueprint>, follow its onboard guide for print preparation (pre-processing) and send the finished printable slice file to your Reflex 2. Then print it on your printer by operating on the printer's touch screen. Videos of guides are available in Help Center on Blueprint Studio.



5 Release Film Replacement

Images below are examples of the resin tank and the spare release film (requires separate purchase).



Resin Tank

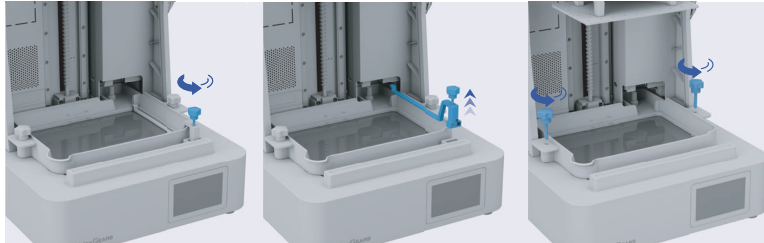


Spare Release Film

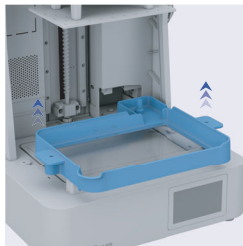
STEP 1

Take out the resin cartridge, and dismount the scraper and the resin tank. If there's residual resin in the tank, clean it thoroughly and then dismount the release film.

1 Dismount the scraper.

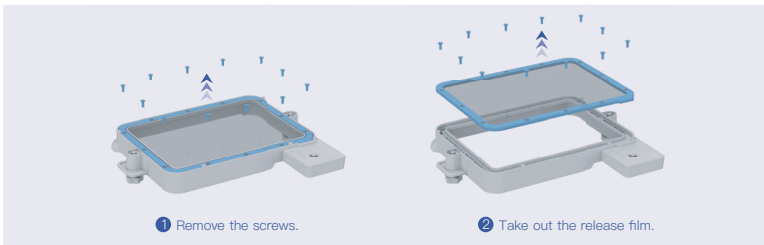


2 Remove the resin tank.



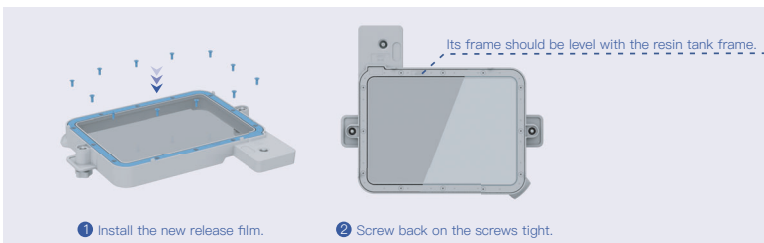
STEP 2

Remove all the screws on the release film from the bottom of the resin tank with the provided wrench. Then remove the film.



STEP 3

Set up a new release film back onto the tank. Screw back tight the screws on the diagonals and then other screws. When the film is installed well in place, its frame should be level with the resin tank frame. Mount back the tank and the scraper onto the printer.



6 Cautions

01



Before inserting the resin cartridge, please make sure the resin-refill lid has been mounted in place.

02



Always remember to close the hood in time whenever you open it for operation. Do NOT open the hood during printing, or print precision might be affected due to dusts, vibration or so.

03



Plastic components such as the hood and the touch screen are not resistant to long-time exposure to resin or alcohol. Please wipe them clean if there's resin or alcohol on them.

04



Please place the printer and resin cartridges properly, away from any light, dusts, or direct sunlight, or printing quality or precision might be affected.

05



Keep the device away from fire.

06



When you use your printer, please pay attention to whether there's any resin on the projection screen. If any, it indicates that the resin tank's release film might have been broken and is leaking resin, which might cause damages to the printer. In this case, clean off the resin as soon as possible, enter the printer's settings and project a pure white image to check the printer's condition. If the printer does not work properly, please contact HeyGears Support.

07



When cleaning the scraper, AVOID submerging it in alcohol-based solvents, to prevent the risk of corrosion.