



Photon Mono M7 Max

User Manual



The pictures are for reference only. Please comply with the actual product.

Content

01 Introduction ————— 1

02 Assembly ————— 3

Initialization ————— 3

Leveling ————— 5

Exposure Test ————— 6

Accessories Installation ————— 7

03 Preparations ————— 8

03 Start Printing ————— 9

3D printer ————— 9

Anycubic App ————— 11

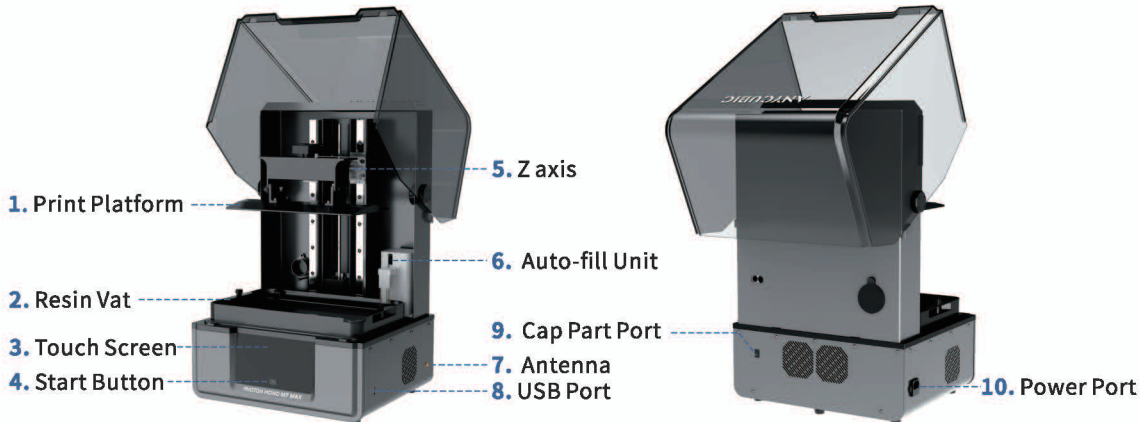
Anycubic Photon Workshop — 13

04 Resin Recycling ————— 14

05 Attention ————— 16

01 Introduction

Overview



In the Box



Photon Mono
M7 Max



Print
Platform*1



Resin Vat*1



Manual*1



Leveling Paper



Antenna



Cap Part of
Auto-fill Unit



Protective
Equipment



Filters



Scrapers*2



Hex Key Set



USB Drive*1



Power Cord

Product Parameters

Technical Specifications

LCD screen	13.6-inch 7K
Light source	COB light
XY Resolution	6480*3600
Leveling Method	Four Points Leveling
Touch Screen	4.3-inch Resistive Screen

Physical Dimensions

Product Dimension	425 mm(L) *362 mm(W) *652 mm (H)
Build Volume	297.5 mm(L) *164 mm(W) *300 mm(H)
Weight	24 kg

WiFi

Frequency Range	2.4 G (2.400~2.4835 GHz)
Work Mode	AP, STA, AP+STA mode

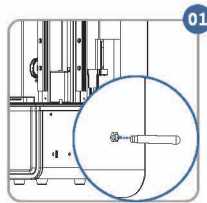
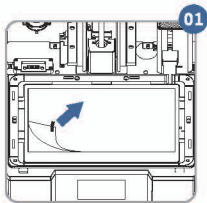
02

Assembly

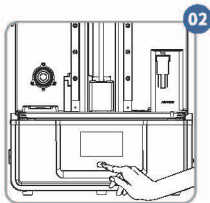
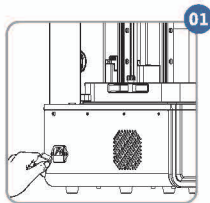
Please place the 3D printer on a stable, level workbench and operate it in an open, well ventilated area away from the sunlight. Refrain from using the printer in areas with ultraviolet light sources (such as fluorescent lamps or UV disinfection lamps) to prevent poor printing results. For the first use, please follow the instruction to finish the preparations.

Initialization

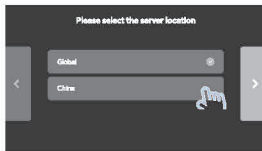
1. Unbox, take out the machine and its accessories, and inspect them.
2. The screen protector is installed on the LCD screen.
Please peel off the protective film upon it.
3. Install the antenna.



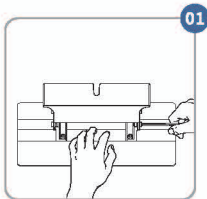
4. Then, connect to the power cord and hold down the start button for 2 seconds to turn on the printer.



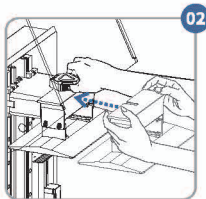
5. Set the system language and choose server location. Users in mainland Chinese select "China", users in other countries and regions select "Global". Then, complete the on-screen setup steps.



Leveling



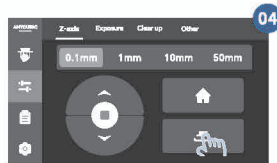
Loosen the four screws on the print platform



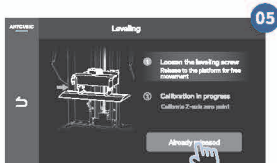
Install the platform and tighten the knob clockwise; the platform should be stable on the carrier



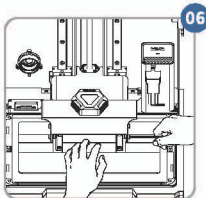
Place the leveling paper on the LCD screen



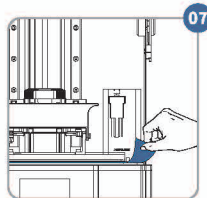
Click Leveling button



Start Calibration



Press the platform gently, tighten the four screws



When pulling the leveling paper, there is a significant resistance or it cannot be pulled out

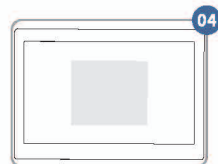
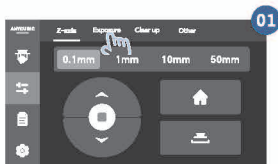


Leveling is completed

Exposure Test

Choose an exposure image to test after the platform stops moving.

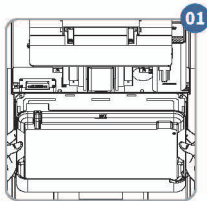
Please close the lid before starting exposure.



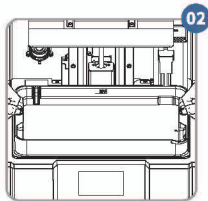
The white part is the exposure area

Accessories Installation

1. Install the resin vat.



Put the resin vat with its feet stuck in locating holes



Tighten the two knobs

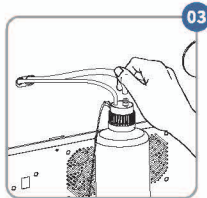
2. Install the auto-fill unit (optional). Please remove the seal from the resin bottle first, as any residual seal on the bottle mouth may cause poor air tightness and affect the automatic feeding.



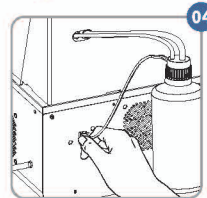
Remove the seal from Anyubic 1kg resin bottle



Insert the cap part to the resin bottle and tighten it



Connect the two pipes to the cap part



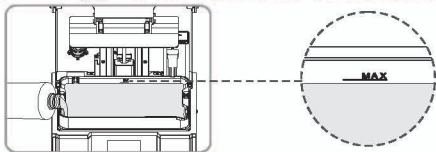
Insert the wire into the port on the back

03 Preparations

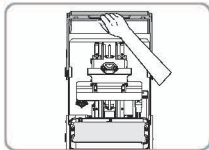
The pre-print assembly is complete, and the printing is about to begin!

It is suggested to wear gloves and a mask for subsequent operations, as the contact with resin or the smell of the resin may cause your discomfort.

- 1. Check the release film. If the film is broken, replace it immediately to avoid further damage to the 3D printer.**
- 2. Slowly pour the resin into the vat and make sure the resin is within the vat's maximum scale.**



- 3. Close the lid.**



04 Start Printing

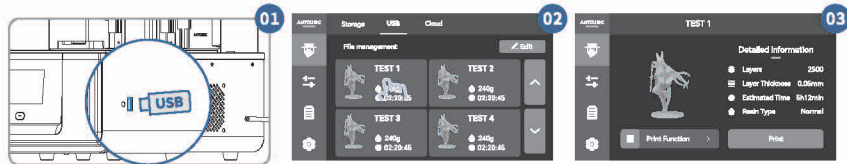
You can initiate the print task on the 3D printer, Anycubic App or Anycubic Workshop(slicing software). It is recommended to start printing on the printer for the beginners.

High speed mode(sliced file) requires high speed resin! Otherwise, the print may fail.

•3D printer

The included USB drive provides normal, fast and high speed mode slice files that can be used for print test. The R_E_R_F file is to find out the optimal exposure parameters for different resins. For more instructions, please refer to the user manual on the USB drive.

1. Insert the USB drive to the right USB port. Then, select a file to print.



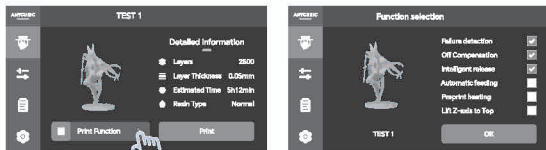
2. Set the print function(optional).

- Auto feeding:

The resin will be automatically fed in when printing starts. Please install the auto-fill unit before use.

- Preprint heating:

When the ambient temperature is below 20°C, it may cause the detachment of printed bottom or partial loss of printed objects. You can enhance the printing effect by enabling preprint heating.



For details, please refer to the user manual in the USB drive.

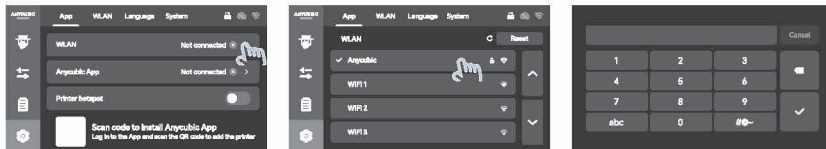
3. When the setting is completed, return to the detailed information interface and start printing.



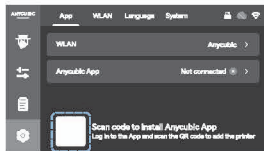
•Anycubic App

Start printing on Anycubic App after connecting the printer to Anycubic App.

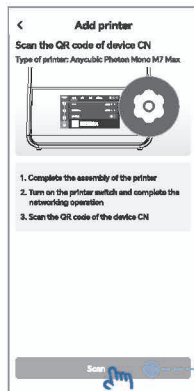
1. Connect to the network.



2. Please search "Anycubic" in App Store or Google Play, or scan the QR code on the touch screen, to down load Anycubic App. Then, sign up and sign in.



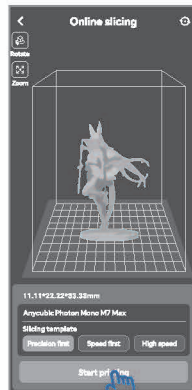
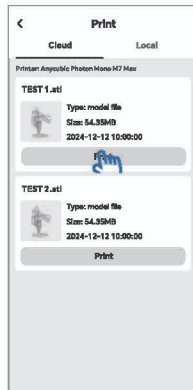
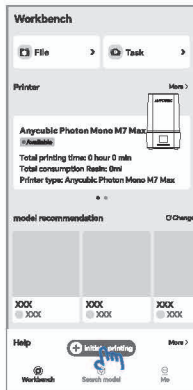
3. Add a printer in Anycubic App.



Scan this QR code
to add the printer



4. Initiate printing on Anycubic App.



• Anycubic Photon Workshop

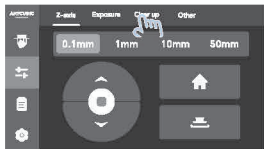
Run the installer in the USB drive to install Anycubic Photon Workshop slicing software. Then, log in and bind your printer for starting printing on the software.

For details, refer to the instructions of Anycubic Photon Workshop in the USB drive.

04 Resin Recycling

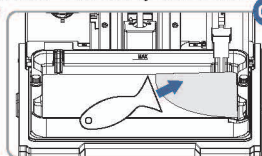
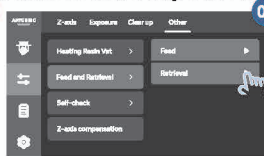
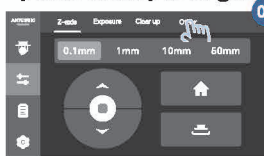
When the printing is finished, please process and recycle the resin in time.

1. After printing, remove the print platform when resin stops dropping. Remove the model by metal scraper and then wash it with 95% alcohol or other detergent. Then, dry and post-cure the model.
2. Enable the vat cleaning function when the resin is partially cured to avoid the damage to the LCD screen and the printer.

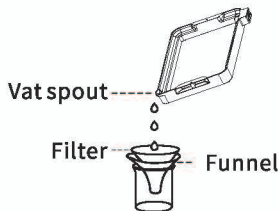


Remove resin sheet
by plastic scraper

3. Retrieval (optional). When the printing is finished, recycle the remaining resin by "Retrieval". Use a plastic scraper to guide resin to the output of the auto-fill unit, facilitating the unloading process.



4. If there the auto-fill unit is not installed, please pour out the remaining resin through a front vat spout and recycle it with a filter and a funnel. The model file of funnel is saved in the included USB drive, please print the model according to your personal requirements.



Attention: DO NOT pour out the resin through the back side of the vat to avoid the damage to it.

5. If you do not use the 3D printer for a long time, please clean the resin vat timely and store the resin in an airtight container away from light.

06 Attention

1. In case of emergency, please immediately cut off the power of 3D printer and then contact our technical support.
2. UV light is harmful to the eyes; please avoid direct contact. When operating, wear protective equipment such as anti-UV goggles and gloves.
3. Be cautious when using the scraper, and make sure to orient the sharp parts of printer and tools away from people.
4. Keep Anycubic 3D printer and its accessories out of the reach of children.
5. When the resin vat heats up for a long time, its surface temperature becomes high. Never touch the resin vat without protection after heating.
6. The operating temperature for auto-fill unit is 10-40°C and the humidity range is 20-80%. For optimal performance, do not exceed these limits. If using Anycubic Bio Resin or Anycubic Rigid 100 Resin, the recommended ambient temperature is over 25°C. Otherwise, the functions of auto-fill unit may fail.
7. It is suggested to use the resin with a viscosity below 2000cps. When using resin with a viscosity over 500cps at room temperature (25°C), the resin bottle may experience slight deflation or inflation due to pressure changes. This is normal and does not affect loading and unloading.
8. Never vigorously shake or turn over the resin bottle when the cap part is installed. If the inside of the cap is stained by resin, please immediately clean it to avoid malfunction or damage to auto-fill unit.
9. Do not immerse the heating resin vat in water, alcohol, or other cleaning solvent to avoid the damage.
10. It is recommended that use the USB drive we provide. If you are using your own USB drive, please ensure that it is formatted to FAT/FAT 32 and has a memory size of less than 64G. To ensure proper file reading, please put print files in the root directory of USB drive.
11. Do not expose Anycubic 3D printer to water or rain.
12. Do not disassemble Anycubic 3D printer, please contact technical support if you have any questions.

Radio interference

WARNING: 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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. If not installed and used in accordance with the instructions, it 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 more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment to 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.

To maintain compliance with FCC's RF Exposure guidelines. This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

UK

REP

Name: APEX CE SPECIALISTS LIMITED

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E-mail: info@apex-ce.com

EC

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E-mail: info@apex-ce.com

Thank you for purchasing Anycubic products! For detailed user manual and software installation, please refer to user manual from the USB drive or visit www.anycubic.com and download. If you need any help, please contact technical support at support.anycubic.com/en.



RoHS



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