

Manufacturer name: GUANGZHOU HEYGears IMC. INC

Manufacturer address: BLOCK B2,501,601,ENTERPRISE ACCELERATOR KAIFA DISTRICT, GUANGZHOU,CHINA

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

AUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Do not disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
Do not leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas

Do not expose the battery to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas



WARNING

UV emitted from this product.

Avoid eye and skin exposure to unshielded product.

HEYGEARS

www.heygears.com

sales@heygears.com

+86 020 22042035-1-2

Heygears888

USA: 17931 Sky Park Circle, Suite E, Irvine, CA, 92614

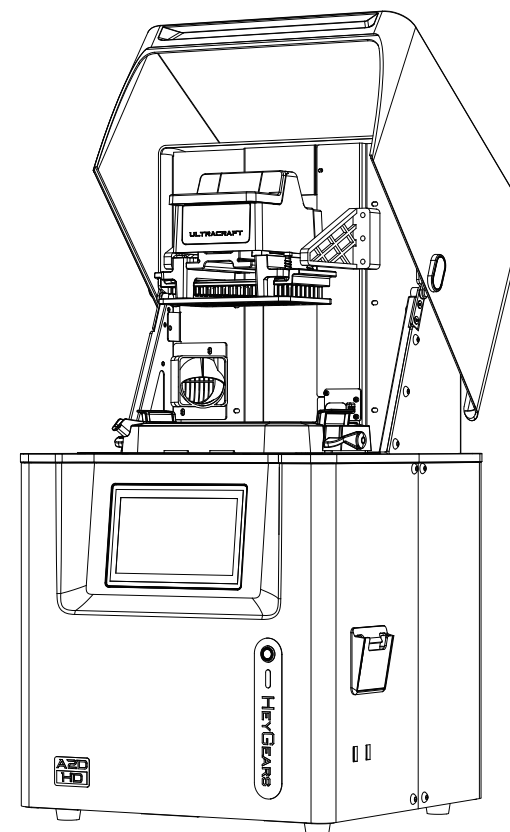
CHN: Block B2, 501, 601, Enterprise Accelerator,

Kaifa District, Guangzhou, Guangdong, China



ULTRACRAFT A2D HD

Industrial Dental 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.

1 Items & Parameters


A2D HD printer
X1


B2-D Resin Tank
X1


Build platform
X1


Power cord
X1


Network cable
X1


Collection tray
X1


Tool kit
X1

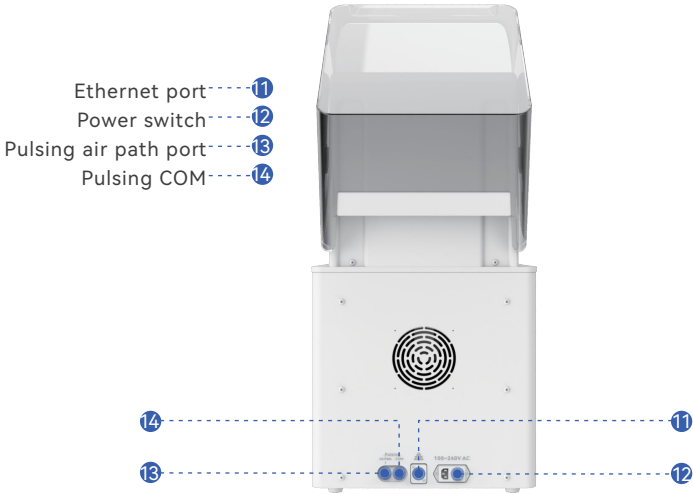
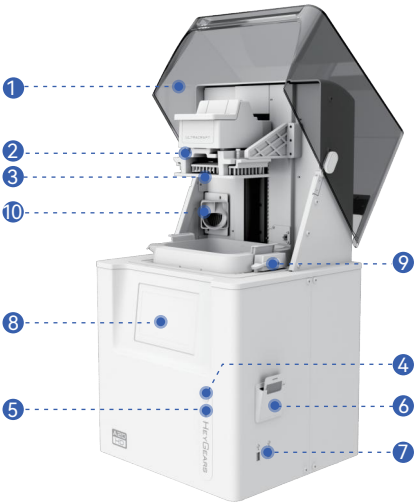

Quick Start
X1


Warranty card
X1

Name	UltraCraft Rapid Production System	Input	100-240VAC,50/60Hz
Model	UltraCraft A2D HD	Weight	41.6kg
Dimensions	414x380x822mm	Power	340W

2 Components

- Hood-----①
- Platform lock-----②
- Build platform-----③
- Switch-----④
- Indicator-----⑤
- HeyCard slot-----⑥
- USB port-----⑦
- Touch screen-----⑧
- Resin tank locks-----⑨
- Thermostat-----⑩



3 Installation

3.1 Installation Requirements



After removing from packages, position A2D HD on a level, stable table (load-bearing > 80kg).

 100-240 V power socket nearby.

 Away from direct sunlight.

Temperature & Humidity controlled at:

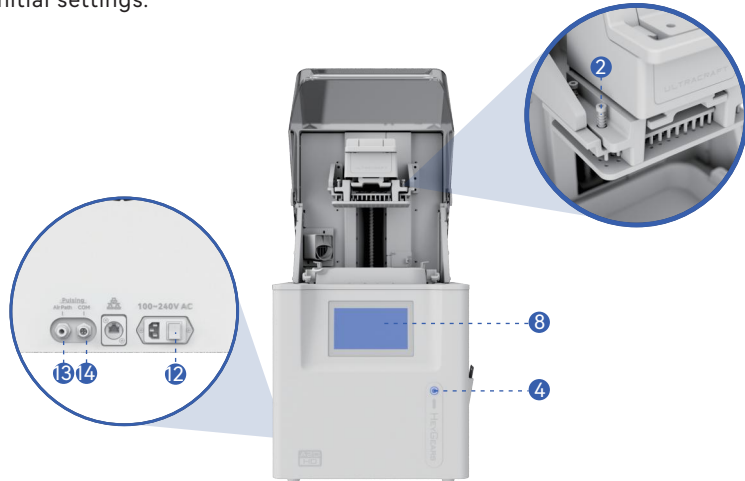
 20 ~ 25°C  <50%

3.2 Starting Up

- STEP 1
- Connect the power cord and turn on ⑫Power switch. For your safety:
- A. If you're using wired network, please connect the network cable BEFORE turning on the power switch;
- B. If you're using Pulsing Release Module (and HT Resin Tank), please connect the module (to both Pulsing air path port and Pulsing COM) BEFORE turning on the switch.

STEP 2

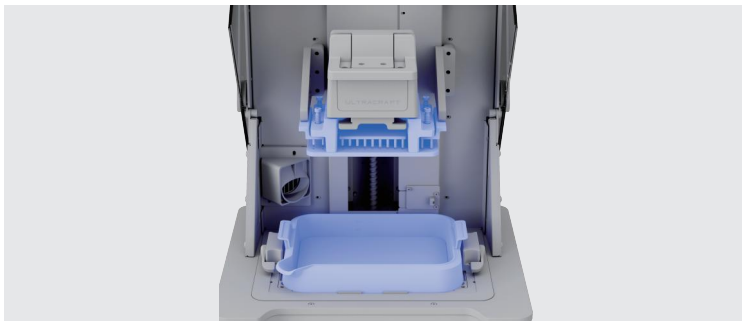
Press on ④Switch to start the device. Wait until ②Platform lock rises to the initial position, follow the instructions on ⑧Touch screen to finish the initial settings.



3.3 Setting Up Accessories

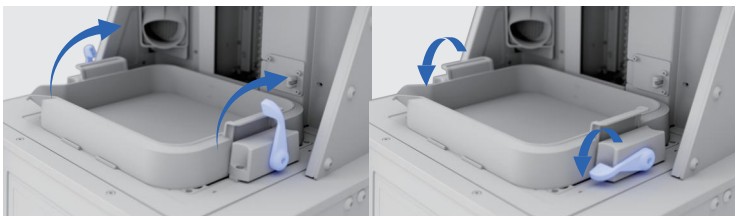
STEP 1

Put on disposable protective gloves, peel off the glass protector on the projection glass, and take out the resin tank and the build platform from their packages. Refer to Chapter 6 to clean the projection glass, the resin tank, and the build platform, and then install the resin tank and the build platform onto the printer.



STEP 2

Lift ⑨Resin tank locks, put on the resin tank, and press down the locks to lock the tank.



4 Printing

4.1 Adding Resin Material

STEP 1

Take out the HeyCard of the resin bottle to use, and insert it into ⑥HeyCard slot on the printer.



STEP 2

Shake the bottle, and pour its resin into the resin tank (to between Min. and Max. marks).

4.2 HeyGears Cloud Binding and Pre-processing

STEP 1

Please bind the device on HeyGears Cloud (Obtain the website address at Settings > NETWORK > HeyGears Cloud on the device), after which you might perform pre-processing and send jobs to the device on HeyGears Cloud. For detailed procedures, please refer to the instructional video (scan the QR code on the last page for further information).

STEP 2

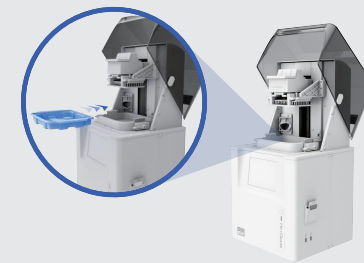
3D-Printing

Notice: AVOID directly looking at the UV light and wear protective goggles when necessary.

STEP 3

Prints Removal

- 1 Printing finished, put the provided Collection Tray on the resin tank, and hit [Remove prints] on the touch screen;
- 2 Removing finished, remove the tray with prints, and check and make sure there is no residue or foreign matters on the build platform.



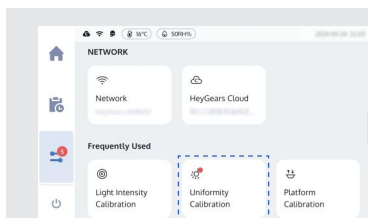
5 Upgrade

A2D HD features a premium 4K Mode, offering more advanced functions and exclusive privileges. Get a free trial on the printer's homepage to experience ultimate enjoyment! For more details, please contact your vendor.

6 Daily Maintenance

STEP 1

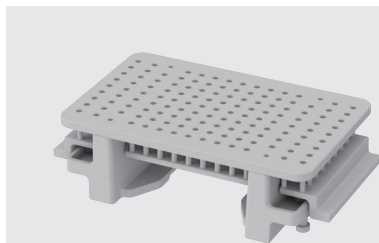
Calibration



Please follow the system reminder to regularly calibrate the device. Keep wearing protective goggles during the process.

STEP 2

Build Platform Cleaning



Put the platform in a clean box (recommended dimensions: 215mm*145mm), add a proper amount of IPA or alcohol, close well the box lid and then put the box into HeyGears Wash or an ultrasonic cleaner for washing.

STEP 3

Resin Tank and Projection Glass Cleaning

- 1 Remove the resin tank, and put it on lint-free cloth. Clean the resin with the cloth and IPA/alcohol, and then let it naturally dry in a well-ventilated area.
- 2 Spray some glass cleaner onto the surface of the projection glass, and wipe the glass in one single direction with lint-free cloth until clean.

STEP 4

Resin Tank Film Module Replacement

- 1 Remove the resin tank, put it upside down on lint-free cloth, and be prepared with the provided tool kit.
- 2 Loosen the old screws at the film's bottom in order (1 to 12), each for 1~1.5 rotations, and then unscrew all of them completely. (*Directly unscrewing a screw completely might lead to stripping.) Remove the old film (both screws and film are disposable).
- 3 Confirm there is no matters in the groove of the resin tank frame and mount a new film.
- 4 Put back new screws and tighten them in order (1 to 12), each for 1~1.5 rotations.
- 5 Repeat Step 4 until all screws are well tightened.
- 6 Confirm if the film module is lower than the lowest points of the gaps. If so, it's well in place. If no, please tighten the screws, in order, or check if there's any matters in the groove of the resin tank frame.

7 Repairs and Latest Quick Start

Repairs should be carried out by HeyGears or agencies with HeyGears' authorization. Please refer to the Warranty Card for warranty policies.

Should you have any questions or concerns regarding the product, our dedicated service team stands ready to assist you.



For the latest version and more information of the Quick Start, please scan the QR code.