

5.1.7 The first step is to take out the antenna from the accessory bag and screw it to the antenna base on the top of the device as shown below:

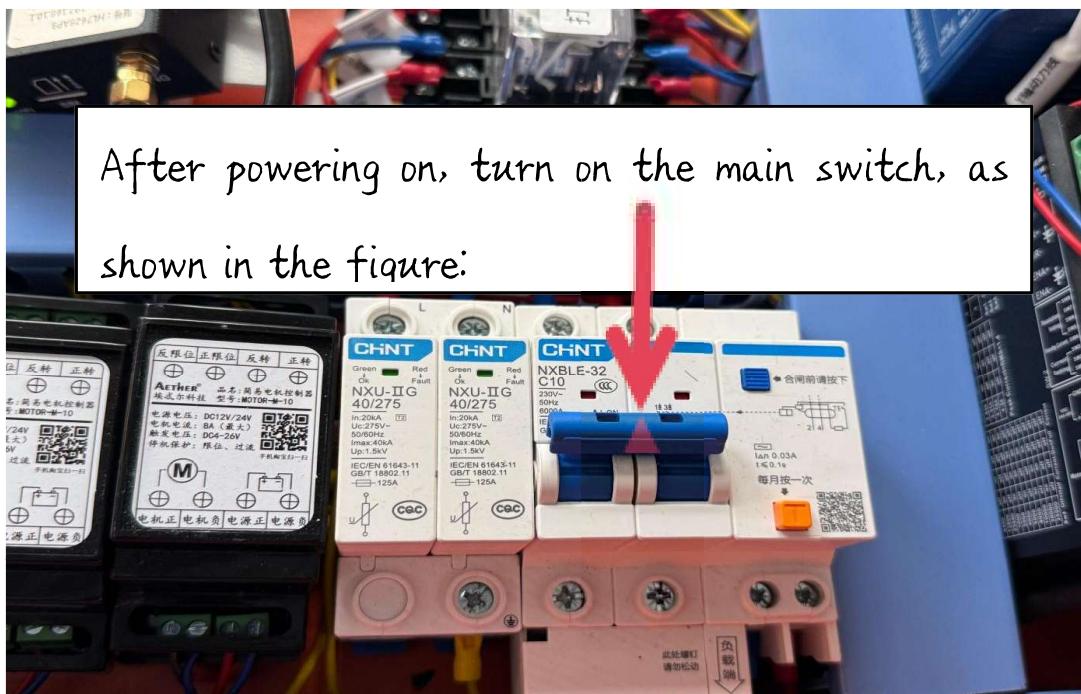
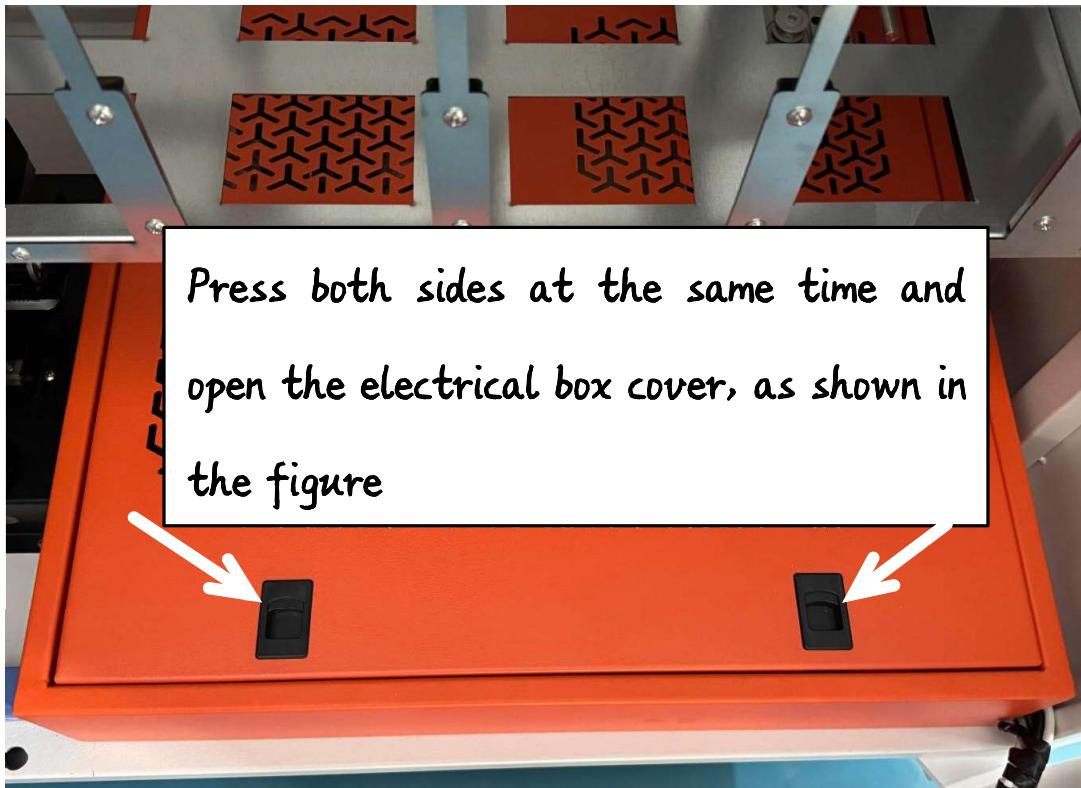


5.1.8 The second step is to take out the LOGO light plate on the top of the device, place it on the top of the chassis, tighten the fixing screws in the upper fixing holes, and plug in the light power cord. As shown below:



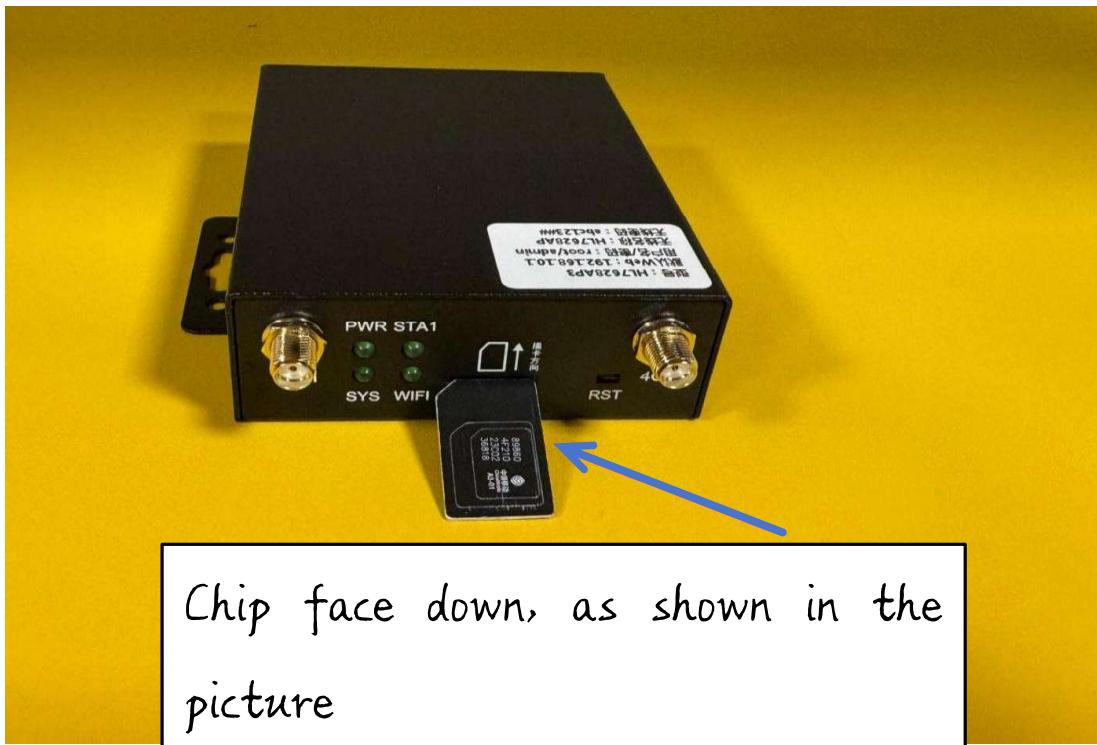
5.1.9 The third step is to open the electrical box door, turn on the power, and turn

on the main switch, as shown below:



5.2.0 The third step is to plug in the prepared 4G/5G Sim card. It is recommended that the Sim card has a minimum of 30G per month. It depends on the frequency of printing. The more you print and the more pictures you download, the more data will be consumed. Depending on the actual usage, choose different packages.

The card insertion method is as shown below: (Please note that the card insertion method may be different due to router upgrades. Please insert the SIM card according to the actual situation):



6. Debugging and testing

Printer Debugging	Add the corresponding ink color for printing, such as (black, red, blue, yellow), etc.	
	After adding ink, enter the printer software and click on "add ink". The first time you add ink, it will take about 30 seconds. After the ink is added successfully, the ink station will retain ink, proving that the inking is successful.	
	The printer nozzle and the ink scraper must be kept 2-3mm apart. They cannot be too close, otherwise the nozzle will be scraped, and the printed image will have scratches. They cannot be too far, otherwise ink will leak.	
	Check whether the printing platform is balanced and whether the printing platform can be pushed up and down smoothly.	
	The lens surface of the phone case placed on the printing table must be kept 2-3mm away from the printer nozzle surface. It should not be too close, as it will easily scratch the nozzle. If it is too far, it will not be able to print on the phone case, or it will not be able to print clearly.	
	Printer parameters need to be adjusted according to the size of the phone case	
	After test printing, check whether the pattern is consistent with the size of the phone case and whether there are any missing colors or white spots.	
Printer Test	Confirm the power connection	Make sure all power cords are properly connected and the power is turned on..
	Loading printing materials	Load the printing material correctly according to the equipment requirements to ensure that the material is flat and free of impurities.
	Print head positioning calibration	Use the calibration tool provided with the device to ensure that the print head is positioned correctly.
	Printing software parameter settings	Check and set various parameters of the printing software, including resolution, color configuration, printing speed, etc.
	Printing effect check	Print multiple orders and check for detail, color saturation, edge definition, etc.
	Fault detection and troubleshooting	If problems occur during printing, perform fault detection and troubleshooting according to the device manual.
	Test result record	Record the parameters and results of each test in detail to facilitate subsequent analysis and adjustment
	Final test before	After confirming that the printing effect meets the expected standards,

	production	conduct the final test before production.
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7. Failure Maintenance

Cause	Simple troubleshooting/solution	Remark
Unclear printing	Printer nozzle has not been cleaned for a long time, press CLEAN button, and then gently wipe the nozzle with a paper towel	For all questions and solutions, please contact our after-sales professionals
Printer is offline	Take away the phone case and reset it	
Home screen freezes	Printer is offline, reset and restart the software	
Cannot print, color deviation, large white edge	Waste ink is full, pour out the waste ink, clean several times, restart the machine	
Manipulator drops goods failure	Y axis origin is not lit, iron sheet is too close to the sensor, just move it	
Printer has multiple power failures	1: Printer has multiple power failures 2: Network is unstable, change the SIM card	

Card reader freezes	Restart the device	
Cannot reset	Need to switch mode	
Server is offline	Restart the server	

8. matters needing attention

8.1 Maintenance method of the nozzle: After the task printing is completed every day, check whether there is any ink or varnish on the surface of the nozzle. If there is, use a soft non-woven cloth or paper towel to wipe the residual ink clean to prevent the nozzle surface from drying and causing nozzle clogging.

8.1.1 The nozzle cable and the nozzle contact part must prevent ink dripping. Once it is found that the nozzle cable part and the nozzle are in contact with water, turn off the machine immediately, remove it and blow it dry, and then test it again to see if it is burned. Remember not to use it with water, otherwise the nozzle and nozzle board will be burned.

8.1.2 When the machine is not in use, it is necessary to do a good job of equipment maintenance. It is recommended to insist on turning on the machine once a day and testing the nozzle. If the test strip is incomplete, it must be automatically cleaned to ensure that the test strip is normal, and a small picture can be printed.

8.1.3 After the machine ink is added to the ink cartridge, the ink has a shelf life of 6 months after opening. If it exceeds 6 months, it will deteriorate, which will affect the printing effect and cause nozzle clogging.

8.1.4 The best height between the nozzle and the printing material is 2mm. The printing height must be confirmed every time you print to avoid scratches and damage to the nozzle.

8.1.5 The sheet metal at the bottom of the carriage nozzle must be cleaned regularly to avoid affecting printing.

8.1.6 Avoid printing reflective materials. The UV light reflected on the nozzle

surface can easily cause the nozzle to clog.

8.1.7 Avoid placing the printer and ink in direct sunlight. Ultraviolet rays will cure the UV ink and cause nozzle clogging.

8.1.8 It is recommended to use original ink or manufacturer-authorized ink. The nozzle clogging caused by mixing different brands or different properties of inks must be borne by yourself, and the chain losses caused by the misuse of ink must be borne by yourself.

8.1.9 Ink pad maintenance: Due to the combination of the nozzle and the ink pad for ink extraction or cleaning, ink dripping will appear inside the ink stack or on the sheet metal. It must be scrubbed with a cleaning agent regularly or in time to keep the ink stack clean. (Ink pad: It is recommended to replace it every 3 months)

8.2.0 Raster maintenance: The raster strip is a component installed in the raster decoder to control the printing accuracy. If the raster strip runs out of the decoder, it will be scratched by the grating sensor during operation. If the scratch occurs, the printing accuracy will be reduced or the reading accuracy will be reduced. Failure of output data causes the carriage to be out of control. At this time, you should check the position of the raster. Whether the raster strip is in the middle of the grating sensor and whether it is rubbed. In dust or dirty air, the raster will be absorbed by particles or dust, causing problems such as misalignment. Please clean it in time. Wipe (use cleaning agent) to keep the raster clean and undamaged. If there are scratches causing misalignment, please replace them in time. (If the raster is not scratched and is well protected, it is recommended to replace it every 12 months)

8.2.1 Guide rail maintenance: The machine guide rail includes the carriage guide rail, the platform guide rail and the lifting rod. The contact between the guide rail and the slider is based on lubricating oil. Please check it within a certain period of time (if the machine is used frequently, it is recommended to check it once a month, if there is less, it should be checked at least once every 6 months) Add lubricating oil to the guide rails and lifting rod to prevent rust and stiffness caused by lack of oil in the guide rails. If you find black oil stains on the guide rails, you need to wipe them clean with alcohol before adding lubricating oil.

8.2.2 Ink damper replacement: It is recommended to replace it every 6-12 months

8.2.3 Machine body metal maintenance: Keep the body clean. If there is any ink

dripping, please scrub it to avoid ink corrosion on the outer paint surface of the body metal.

8.2.4 UV lamp maintenance: During the printing process, ink will splash onto the heat dissipation vents. Over time, the heat dissipation vents will be blocked and affect the life time of the UV lamp. It is recommended to clean the UV lamp heat dissipation holes every 2-3 months, and the UV lamp needs to be cleaned every month. Clean the lamp surface with alcohol in a cool state.

8.2.5 Belt: Check the belt regularly. If the belt is cracked, it should be replaced in time.

8.2.6 Wiper: The wiper is installed on the left side of the cleaning unit to absorb the ink droplets remaining on the surface of the printhead during the cleaning process. The replacement cycle depends on the frequency of use. Regularly check whether it is completely soaked by ink. If there is a lot of cleaning, (It is recommended to replace it once a month)

8.2.7 Ink; the storage condition of ink should be at room temperature of 21-28 degrees. It should not be directly exposed to the sun or high temperature. The sealed ink warranty is about one year. After opening, it should be used within 6 months. Ink with different properties and different brands of ink are different. It can't be mixed and added, otherwise chemical reactions may occur and precipitation may easily occur, causing the printhead to become blocked.

8.2.8 Ink pump maintenance: The ink pump is the most important power source in the process of cleaning and loading ink. The ink pump will vibrate when it is working. If the vibration is very weak or noise occurs during the ink loading process, and the waste ink cannot be discharged from the ink pad. It is possible that the ink pump needs to be replaced. You can put some cleaning fluid in the ink pad after printing every day, and press the cleaning button to let the cleaning fluid pass through the ink pad and the ink pump to clean the ink residue. (The recommended replacement cycle is 10-12 months)

8.2.9 Waste ink bottle: clean it immediately when it is full

8.3.0 Printhead: If the printhead is burned out and completely blocked or the printing effect cannot reach a satisfactory state, it can be replaced. The



printhead cable must be replaced as well. (To maintain good printing results, it is recommended to replace the printhead every 6-8 months)

The following situations are not covered by the warranty:

- 8.3.1 The product is damaged due to incorrect installation or improper operation.
- 8.3.2 It is not modified by the company's technical personnel, and the user replaces the product parts by himself, causing damage to the product.
- 8.3.3 The product model has been altered or is inconsistent with the equipment list.
- 8.3.4 The product is not used according to the instructions and is damaged by water or other substances penetrating into the product.
- 8.3.5 Unexpected events, natural disasters causing malfunction or damage.

9. Safety instructions

9.1.1 Always read these safety instructions before operating to ensure you understand the correct use of the equipment.

9.1.2 Avoid touching the hot parts of the printer during printing to prevent burns.

9.1.3 The device should be placed in a level, dry environment with good air circulation.

9.1.4 When using the device, please ensure that the power supply voltage complies with regulations to avoid power fluctuations.

9.1.5 Do not cover the heat dissipation holes when the device is running to prevent the device from overheating.

9.1.6 Regularly check the power cord and connecting cables to make sure they are intact.

9.1.7 When cleaning the device, please unplug it from the power source and wipe it gently with a clean cloth.

9.1.8 If the equipment fails, please do not disassemble it yourself and contact professional maintenance personnel.

9.1.9 Children should use the device under adult supervision and avoid unsupervised operation.

9.2.0 Please stay close to the device during printing so that any abnormalities can be handled promptly.

9.2.1 Make sure to use printing materials that meet your device's specifications to avoid using substandard products.

9.2.2 After use, please turn off the device and disconnect it from the power source.

9.2.3 Abide by laws and regulations, use equipment legally, and prohibit illegal uses.

9.2.4 When using mobile phone case printing equipment, please ensure that there are no flammable and explosive items in the working area to avoid fire or explosion.

9.2.5 Before operation, please check whether the equipment's safety devices, such as protective covers, emergency stop buttons, etc., are intact to ensure they are

working properly.

9.2.6 It is prohibited to make unauthorized modifications or adjustments while the equipment is running to avoid causing malfunctions or safety accidents.

9.2.7 When the equipment is running, please stay focused to avoid distractions that may lead to operational errors.

9.2.8 If you find any safety hazards or abnormalities in the equipment, please stop using it immediately and contact a professional for maintenance.

9.2.9 Do not expose the device to extreme weather conditions, such as high temperature, low temperature, humidity, etc., to avoid affecting the normal operation and safety of the device.