Guía de funcionamiento de la pantalla H2D

Esta guía tiene como objetivo presentar los botones de pantalla y las funciones operativas de la impresora H2D.

H2D

La siguiente sección cubre la parte de impresión 3D de la impresora 3D H2D.

Si tiene una impresora H2DL, puede obtener más información sobre el **módulo láser H2D** haciendo clic aquí o sobre el **módulo de corte H2D** haciendo clic aquí .

Página principal

En el lado izquierdo de la página de inicio hay una barra de menú en pantalla que incluye **Página de inicio** , **Controles** , **Filamentos** , **Configuraciones** y **HMS** ; en el lado derecho están **Archivos de impresión, Temperatura de la boquilla, Filamento, Configuraciones de red y HMS.**
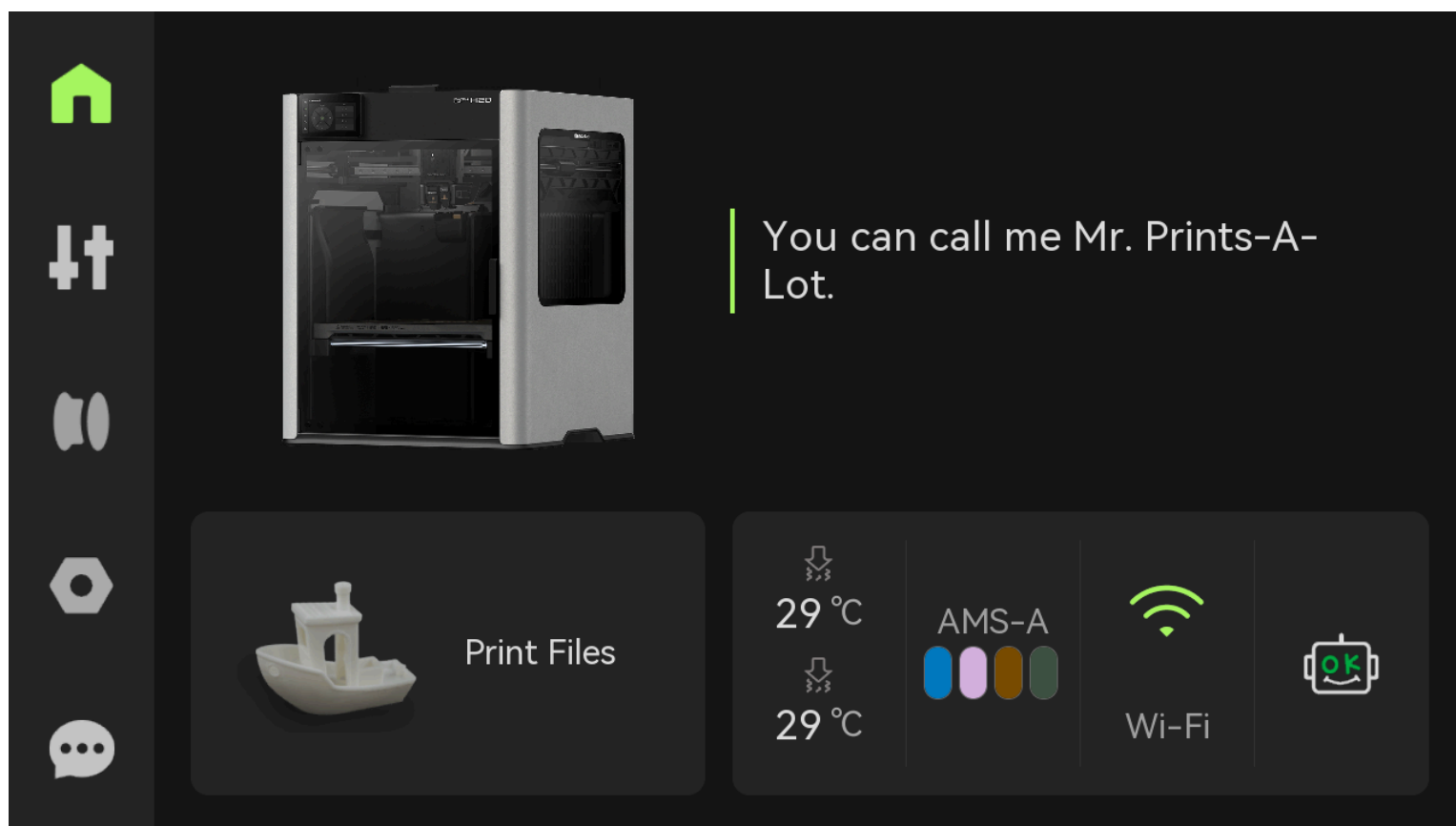

Controles
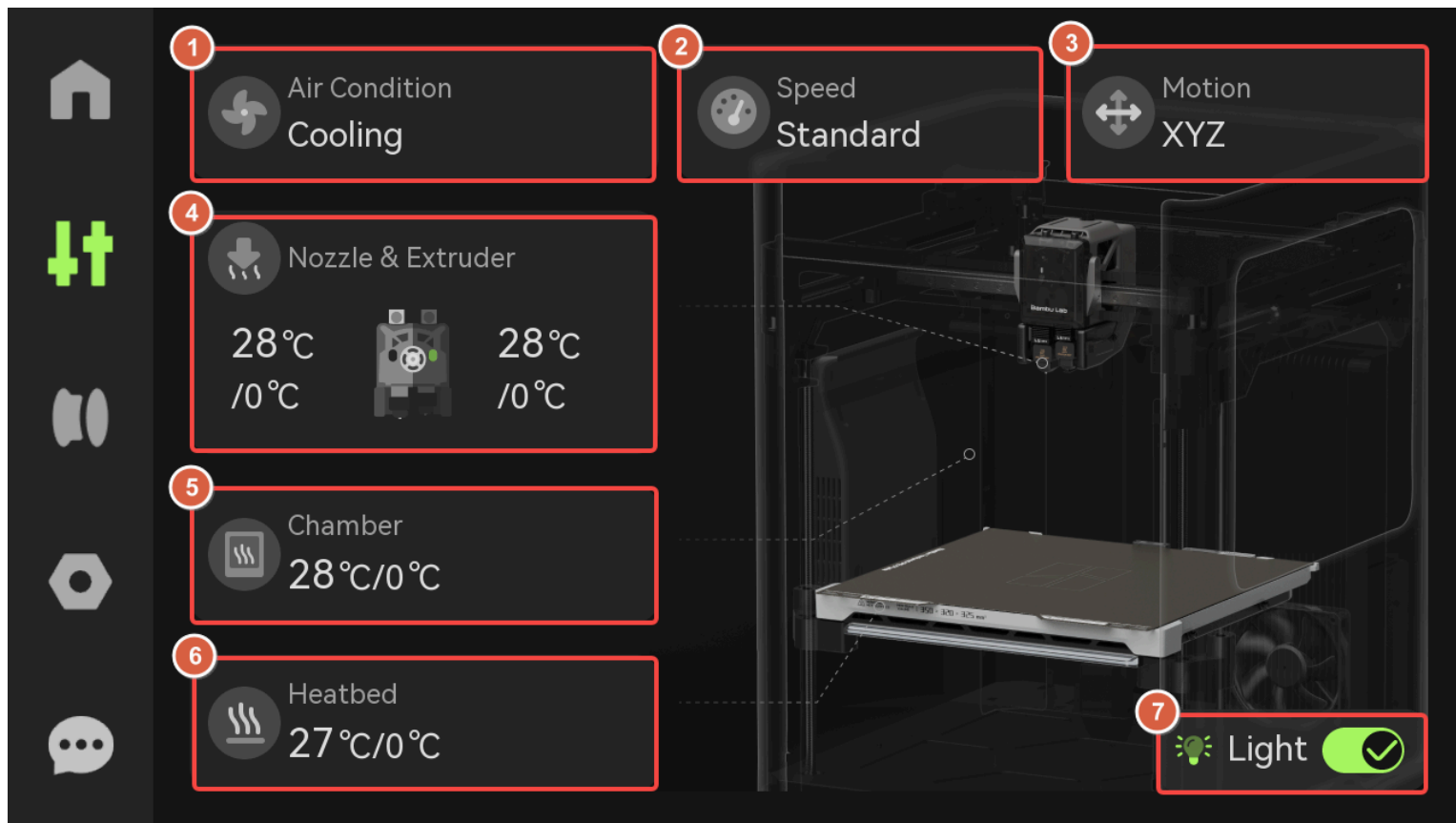
1. Aire acondicionado

Dependiendo de los filamentos podrás elegir el sistema de aire acondicionado adecuado.

‣ **Modo de enfriamiento** : el modo de enfriamiento es adecuado para imprimir filamentos con **baja resistencia al calor** , como PLA/TPU; el ventilador de circulación de calor de la cámara permanece apagado en este modo.


‣ **Modo de calentamiento:** Este modo es adecuado para imprimir filamentos ABS/ASA/PC/PA y otros con **alta resistencia al calor** . Al calentarse la cámara, el sistema cambia automáticamente al modo de calentamiento. En este modo, el ventilador de circulación de calor de la cámara se activa automáticamente y el ventilador de refrigeración de la pieza auxiliar permanece apagado.

Cooling ○   Heating ⊘

⚘ Part >
0 %

⚘ Aux >
OFF

⚘ Exhaust >
OFF

⚘ Heat >
Auto

▤ Chamber >
28℃/0℃
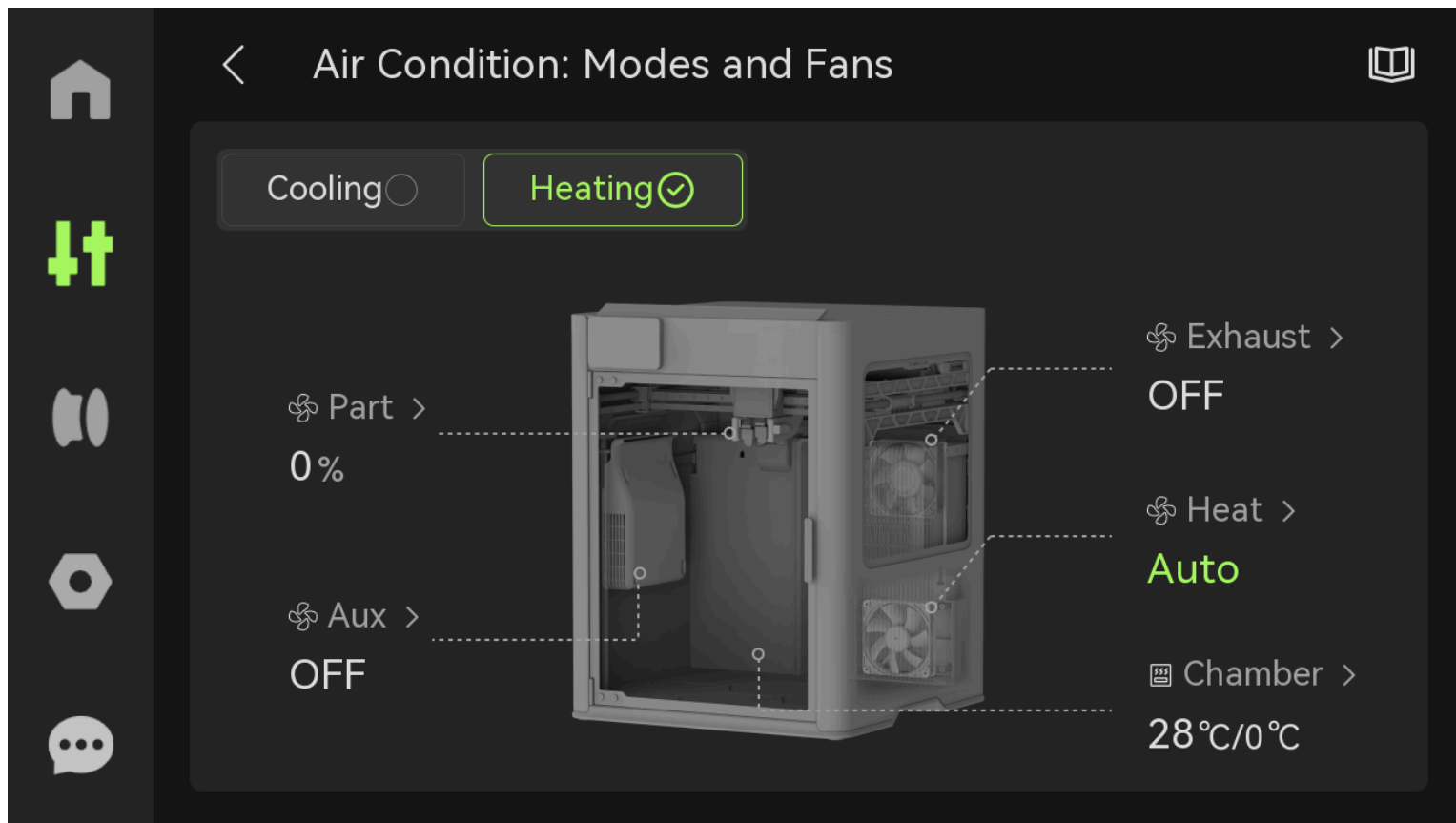
‣ **Ventilador de refrigeración de piezas:** Se instala en el cabezal de la herramienta y se utiliza para garantizar una refrigeración adecuada de las capas impresas durante el proceso de impresión. Ayuda a enfriar rápidamente el material durante la extrusión, permitiendo que cada capa se solidifique y mantenga su forma antes de depositar la siguiente.

← Part Cooling Fan

Bambu Lab

+

0 %

—

Located on the Toolhead, for part cooling.
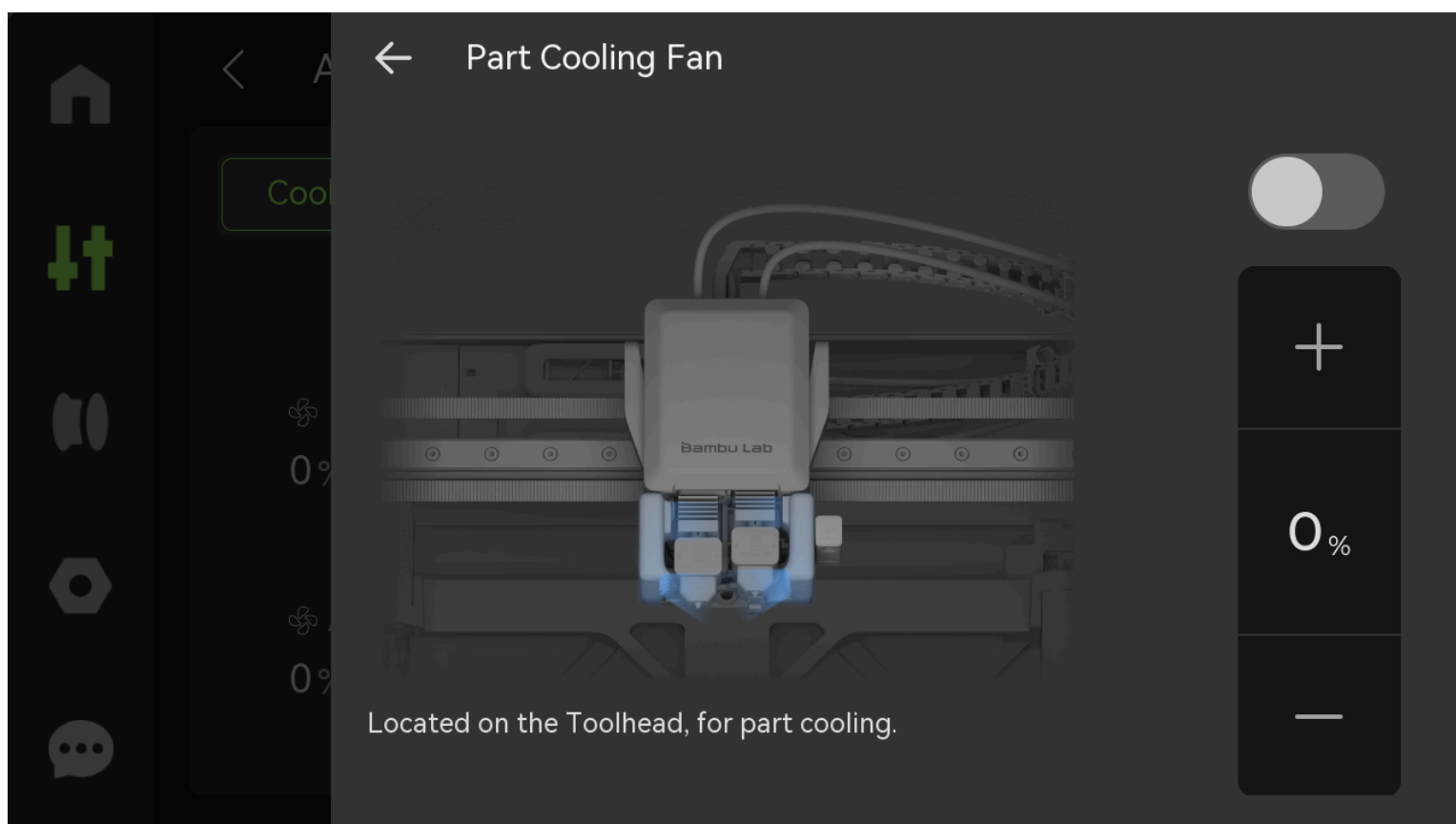
‣ **Ventilador de enfriamiento de piezas auxiliares:** se instala en el lado izquierdo de la cámara y proporciona una mejor condición de enfriamiento para la impresión a alta velocidad.

On the left side panels of the chamber, for auxiliary cooling.
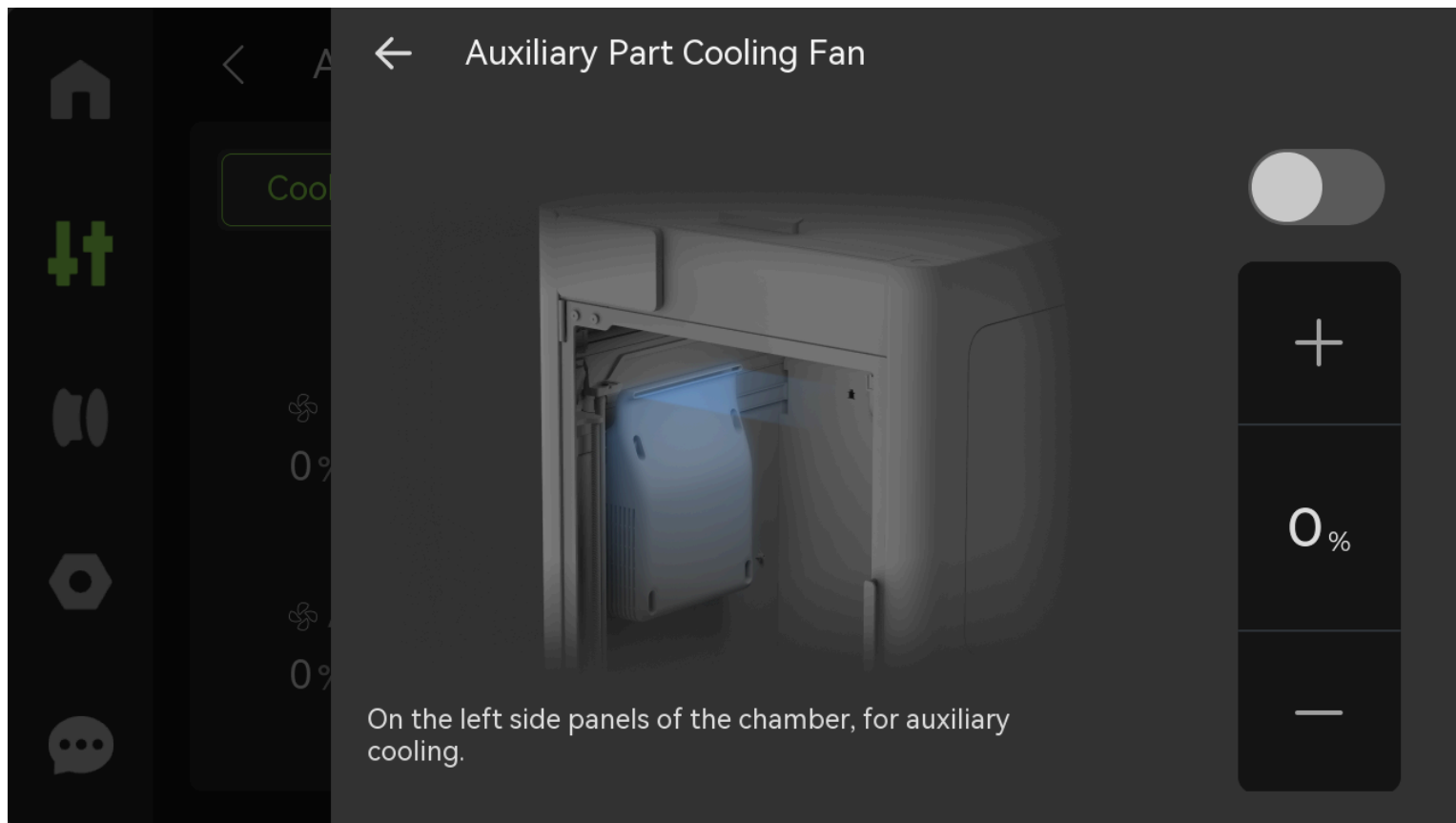
‣ **Ventilador de extracción de la cámara:** Cuando la cámara se enfría, el aire acondicionado cambia al modo de refrigeración. La velocidad del ventilador de extracción de la cámara aumenta a medida que la temperatura de la cámara aumenta durante la impresión. Cuando la temperatura de la cámara baja, el ventilador de extracción de la cámara reduce su velocidad al 30 %.

On the back panel of the chamber, for cooling.
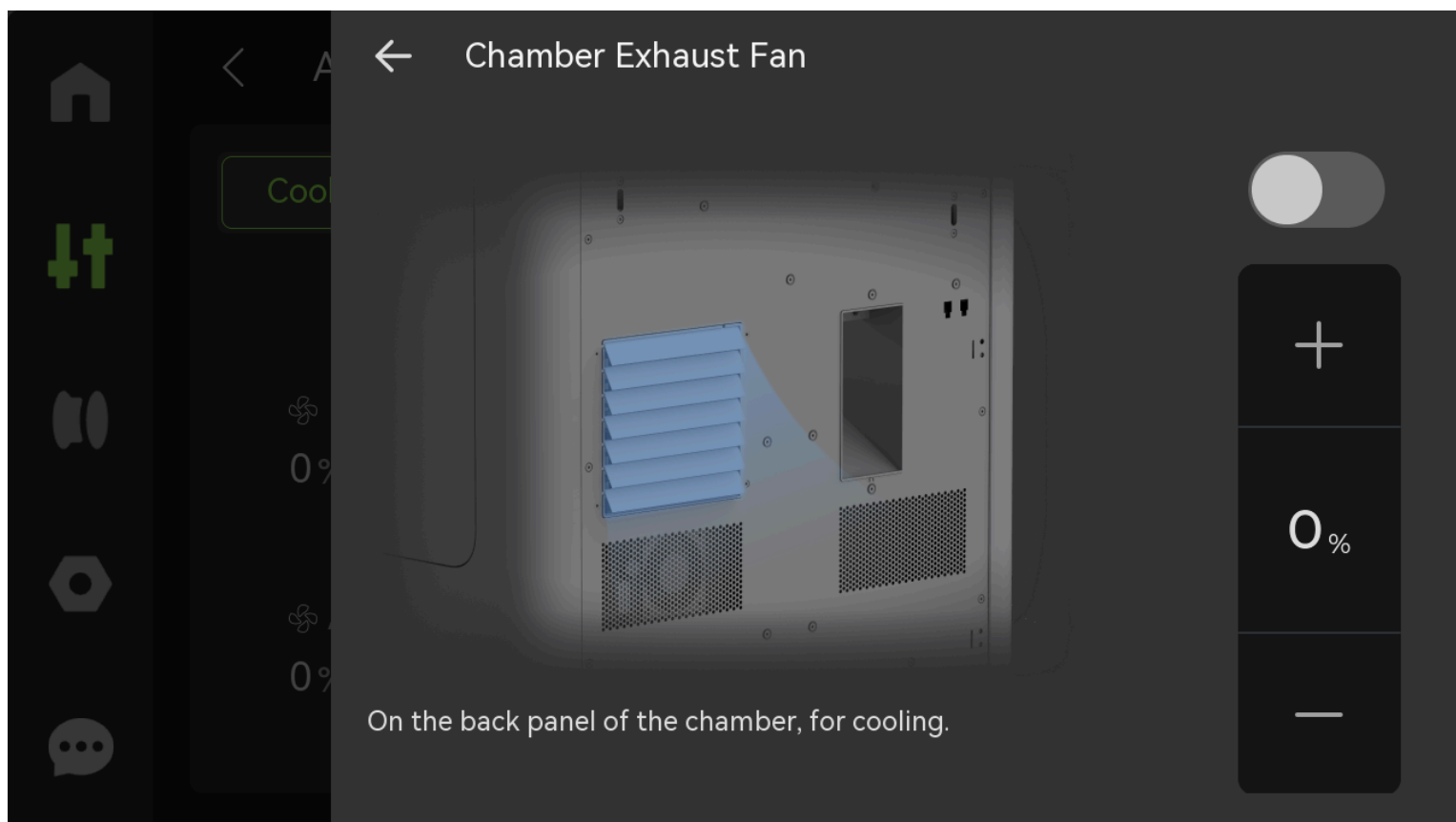
‣ **Chamber Heat Circulation Fan:** During chamber heating, the printer will switch to heating mode. After setting the chamber temperature, the chamber heater (composed of PTC and the chamber heat circulation fan) will begin to operate, with the PTC heating at full power and the fan running at full speed. Once the chamber temperature reaches the target value, the fan speed remains constant while the PTC power decreases to maintain a stable temperature.

Speed

0%

Located at the bottom of the chamber, turned off in the current mode.
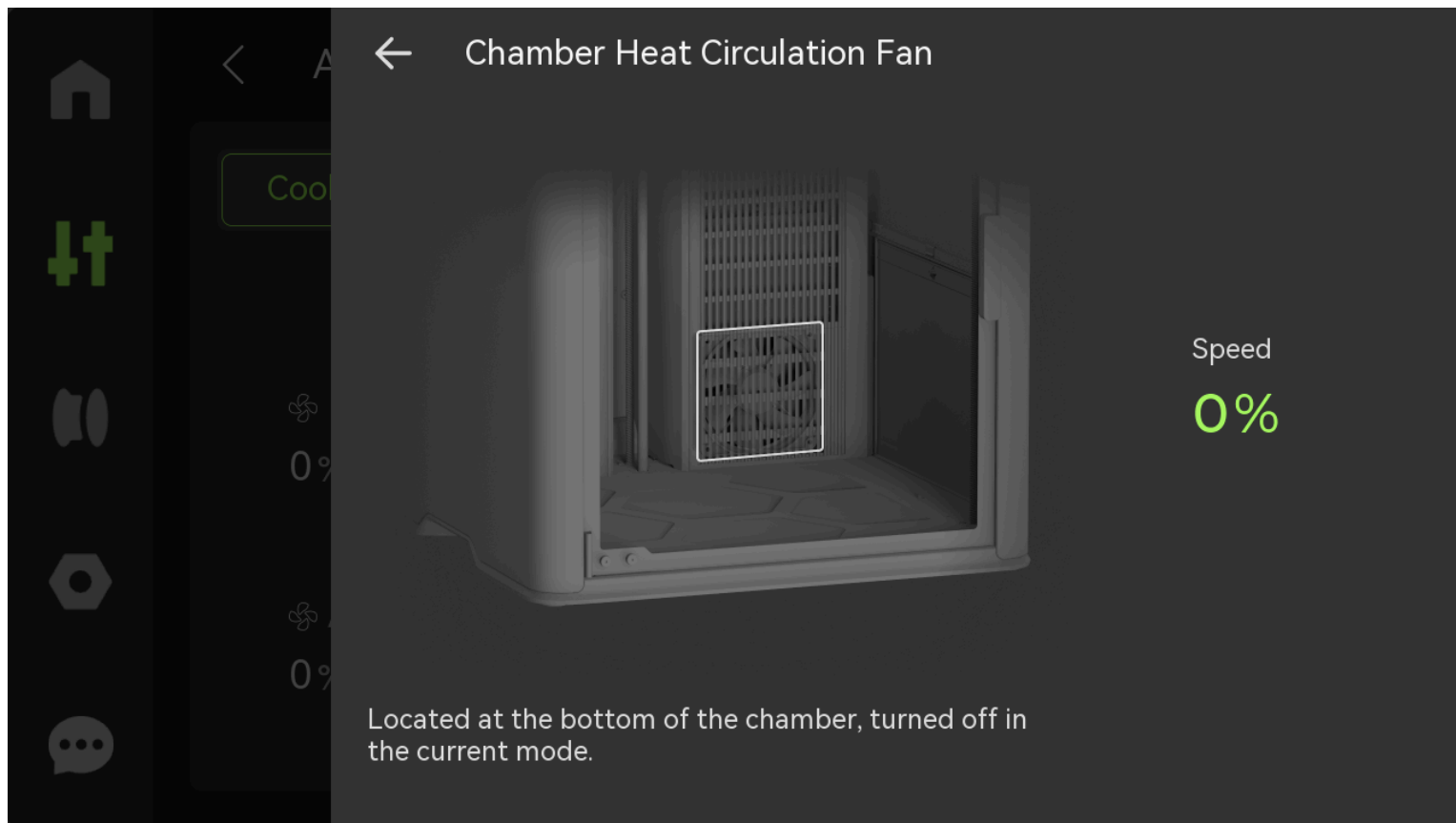
▸ **Chamber Temperature:** Set the appropriate chamber temperature according to the different filaments. Low chamber temperature is suitable for printing filaments such as PLA and PETG; high chamber temperature is suitable for printing warp-prone filaments such as ABS.


‹ Chamber Temperature

Confirm

℃

1	2	3
4	5	6
7	8	9
	0	⌫

Low chamber temperature is suitable for PLA and PETG. High chamber temperature is suitable for warp-prone materials like ABS/ASA/PC/PA.
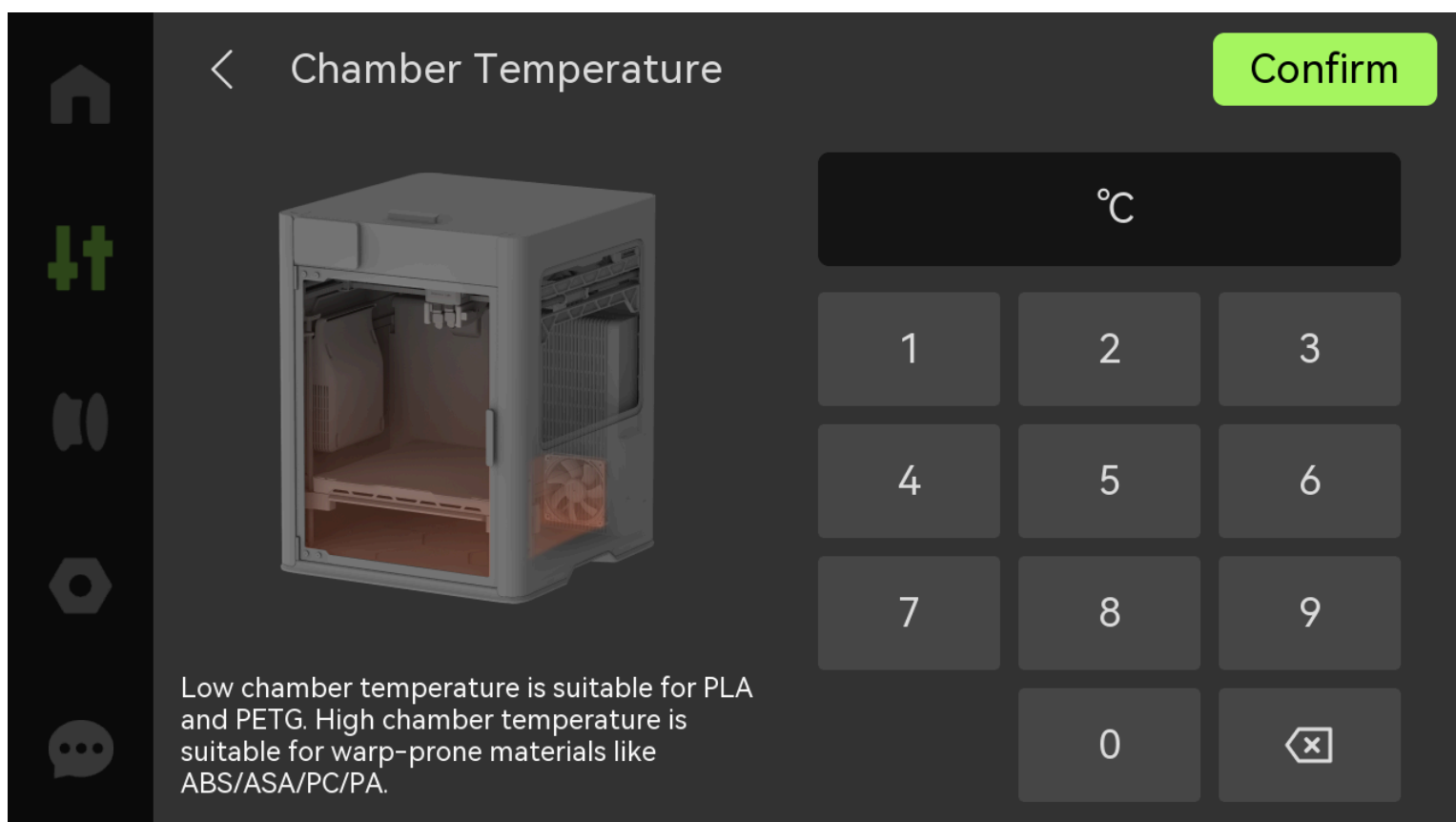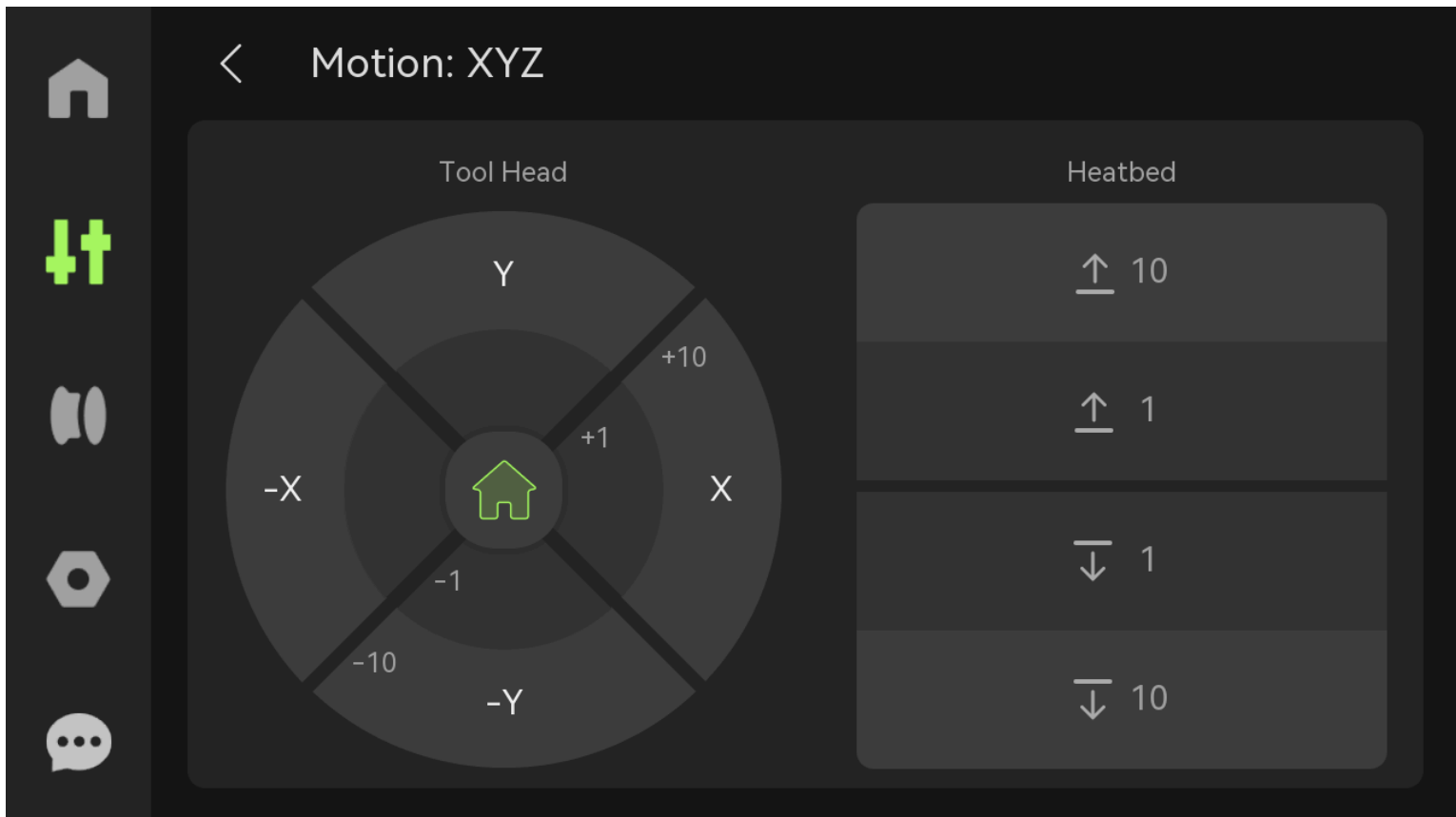
2. Speed

Set the printing speed mode.

▸ **Ludicrous:** 166% of normal print speed and acceleration

▸ **Sport:** 124% of normal print speed and acceleration

- **Standard:** normal print speed and acceleration
- **Silent:** 50% of normal print speed and acceleration
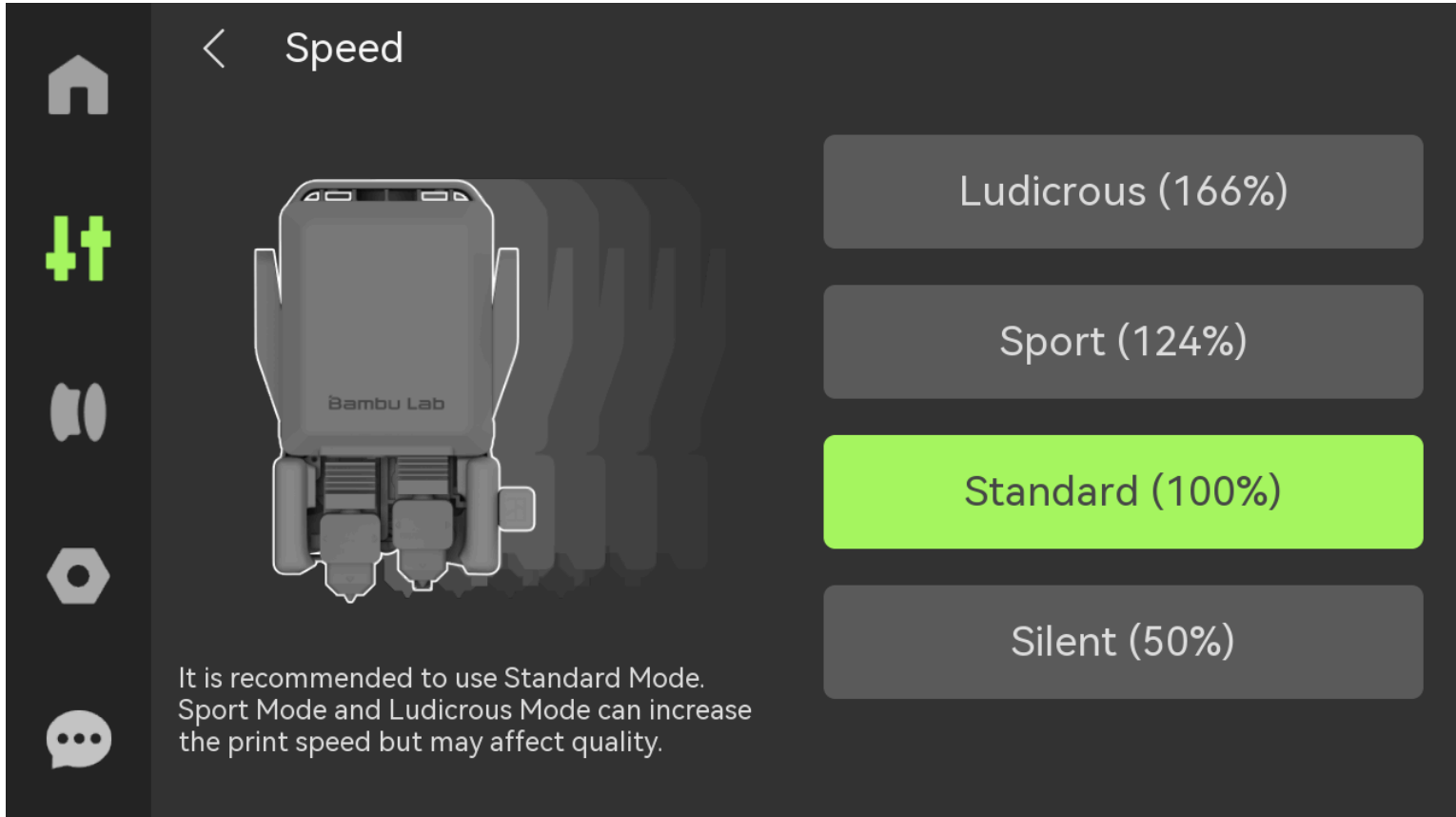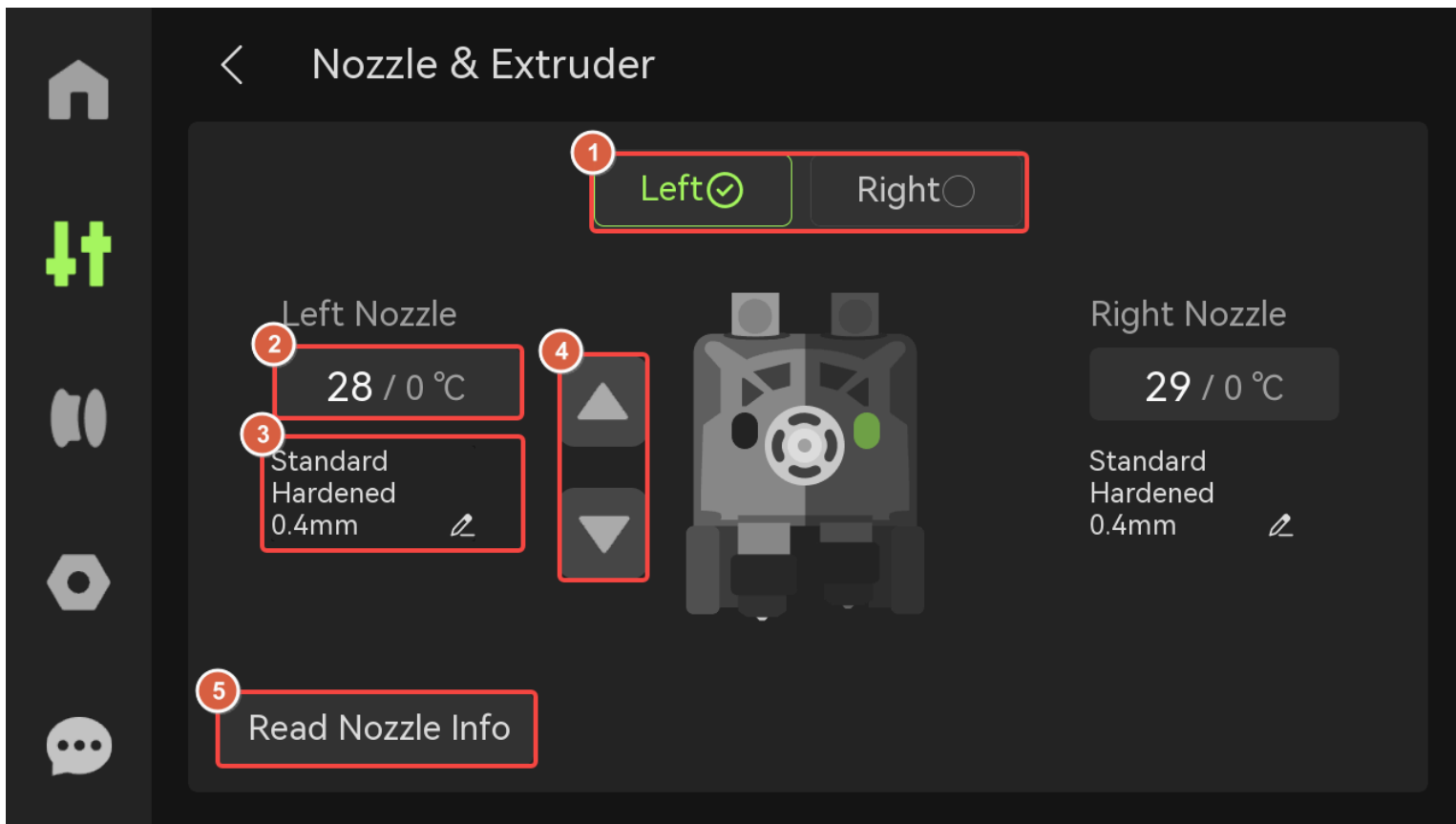

3. Motion

- **Toolhead:** Click +1 or +10 to control the toolhead movement in the X-axis and Y-axis.
- **Heatbed:** Click the 1 or 10 move button to raise or lower the heatbed.
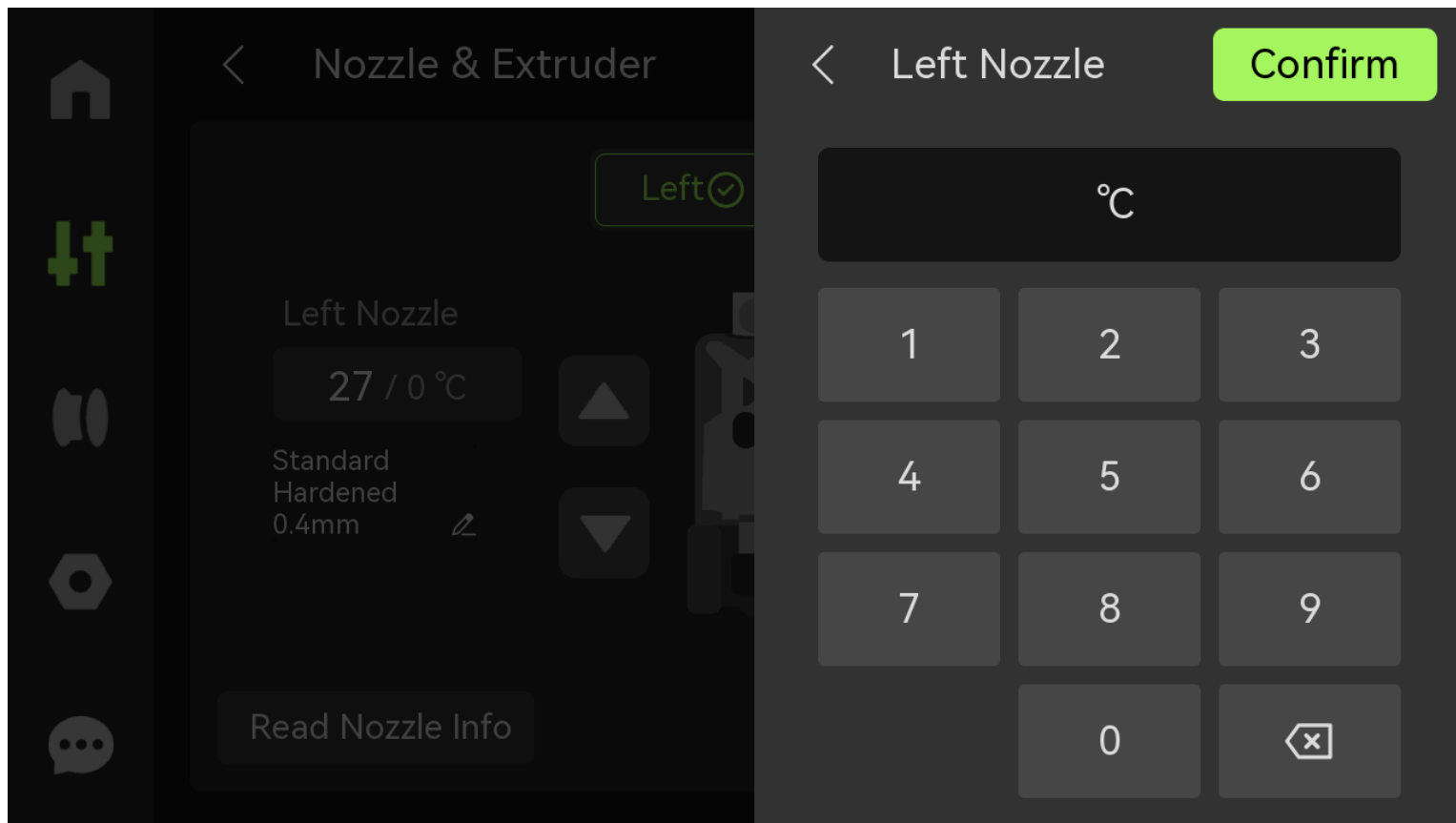

4. Nozzle & Extruder

| Left ✓ | Right ○ |

Left Nozzle

28 / 0 ℃

Standard
Hardened
0.4mm

Right Nozzle
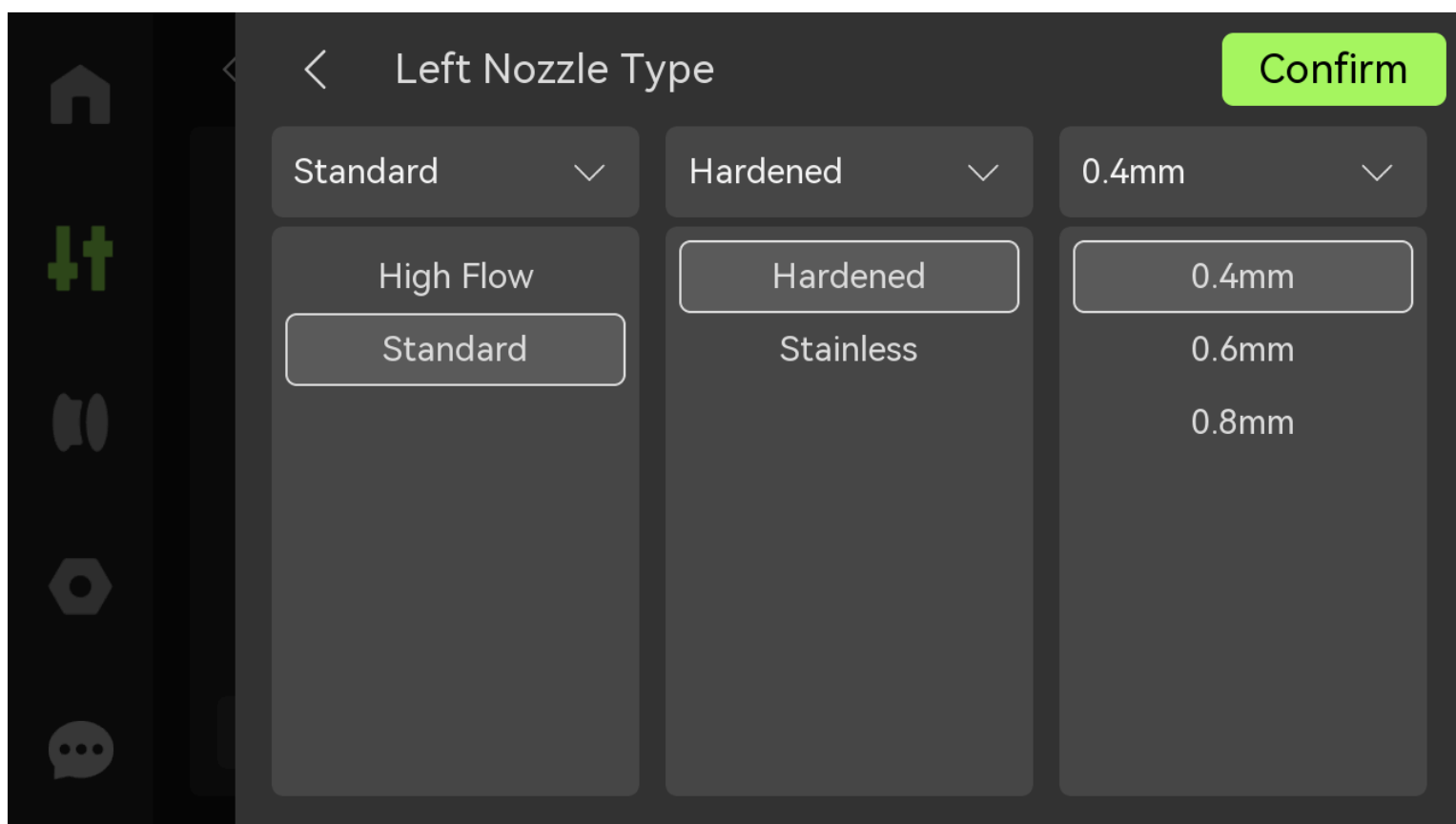
29 / 0 ℃

Standard
Hardened
0.4mm

Read Nozzle Info

1. **Left/Right:** Click the left/right nozzle to switch the extruder and switch the left and right hotend up and down.
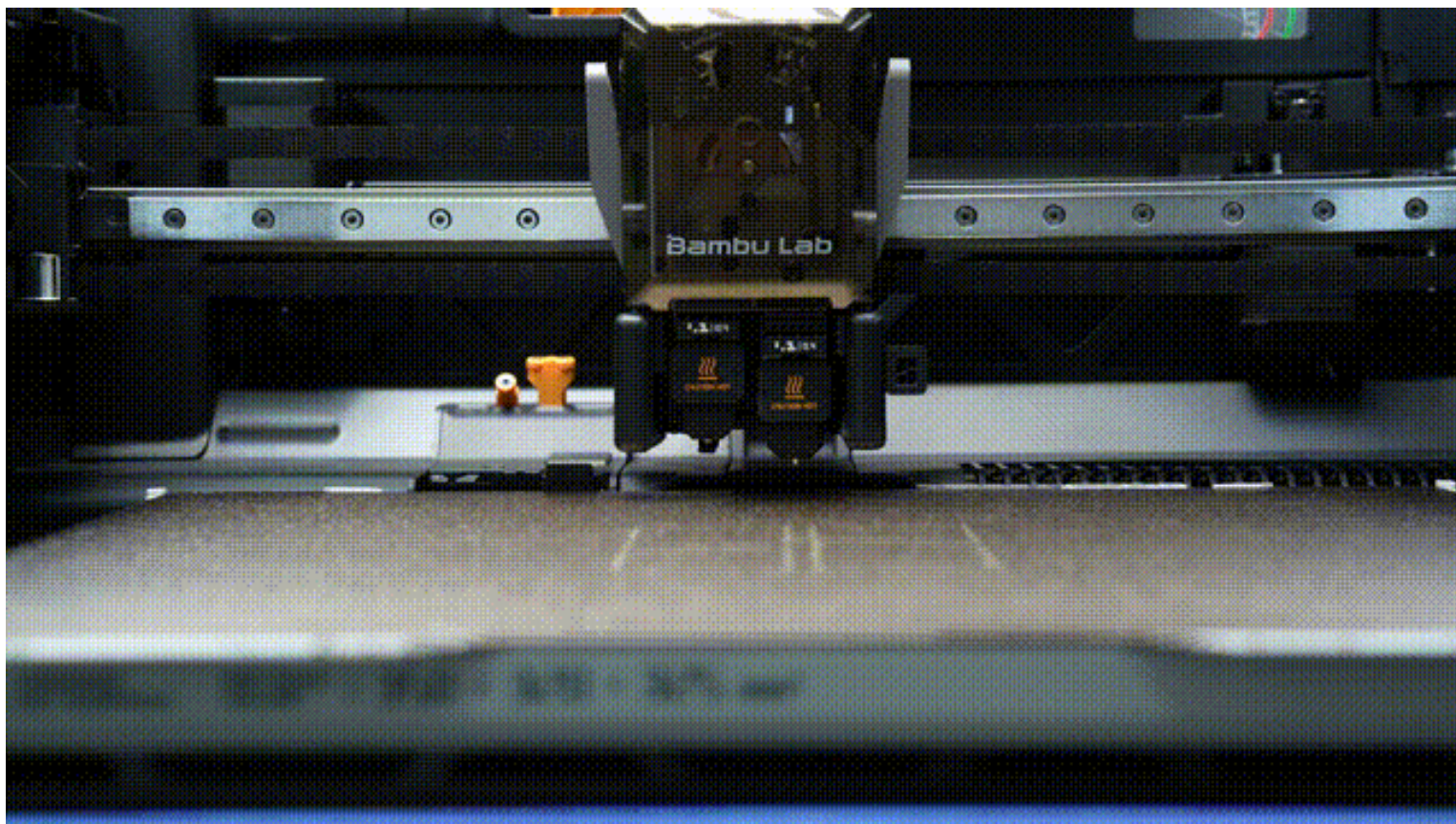

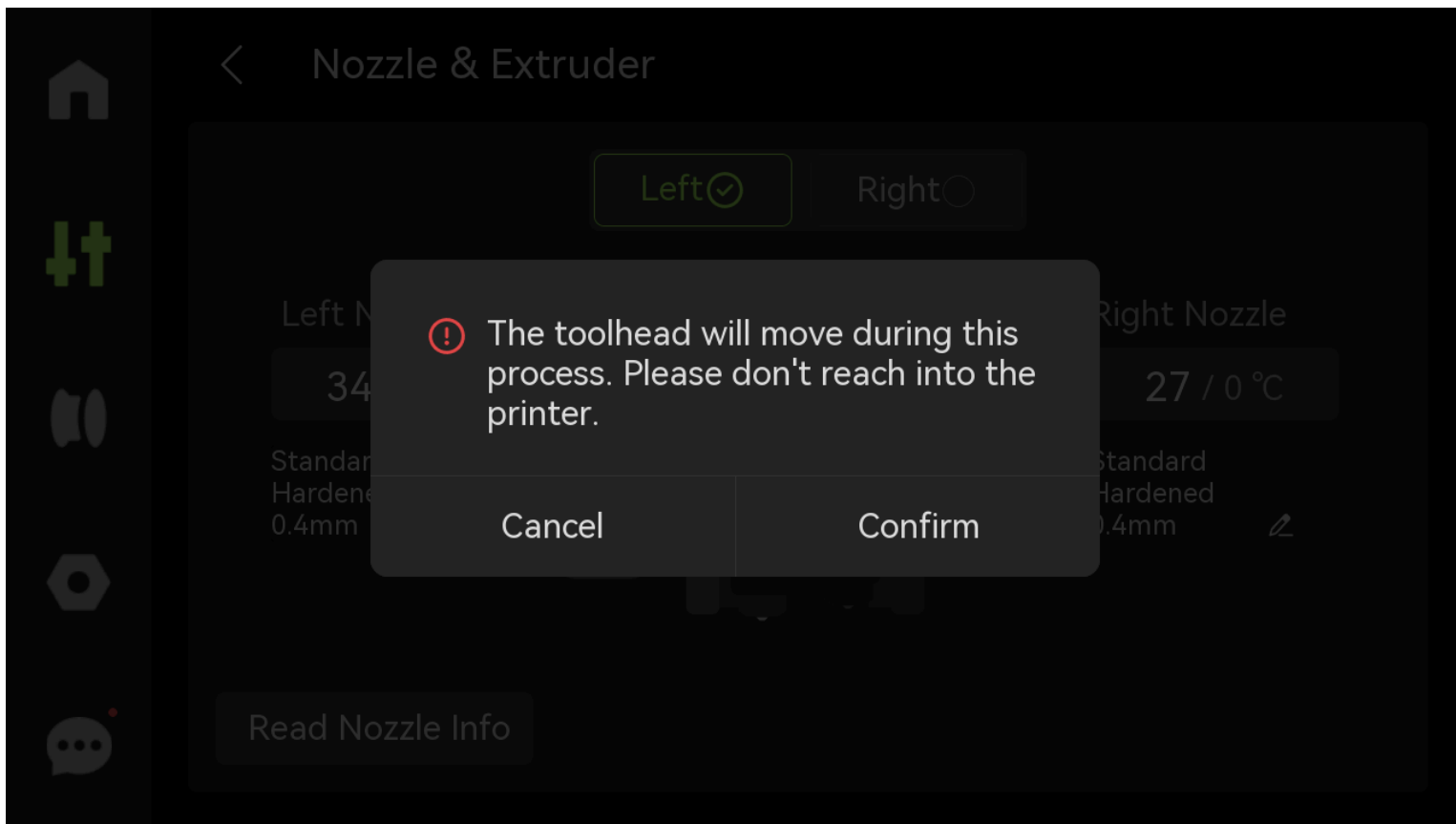2. **Nozzle temperature:** Enter a value to set the left nozzle temperature.

3. **Nozzle type:** Set the type, material, and diameter of the nozzle.

4. **Extruder:** Click the up and down buttons to manually extrude or eject filament. If the green light is on, the extruder filament sensor has detected the entry of filament.

Left ⊘   Right ○

Left Nozzle

28 / 0 ℃

Standard
Hardened
0.4mm

Right Nozzle

29 / 0 ℃

Standard
Hardened
0.4mm
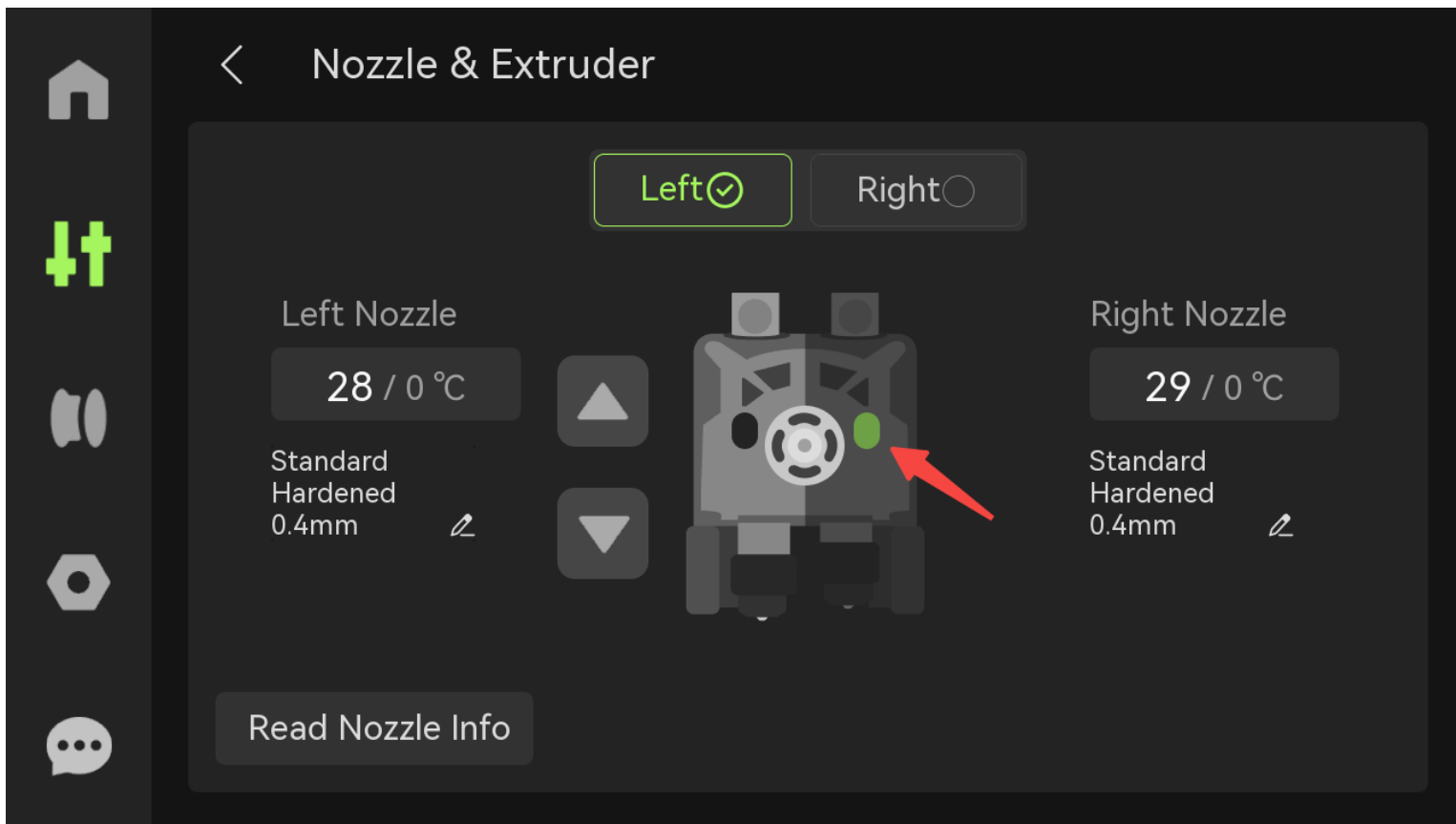
Read Nozzle Info

5. **Read Nozzle Info:** After turning it on, the printer will automatically read the nozzle information. Please make sure the build plate is empty and avoid putting your hands into the printer.
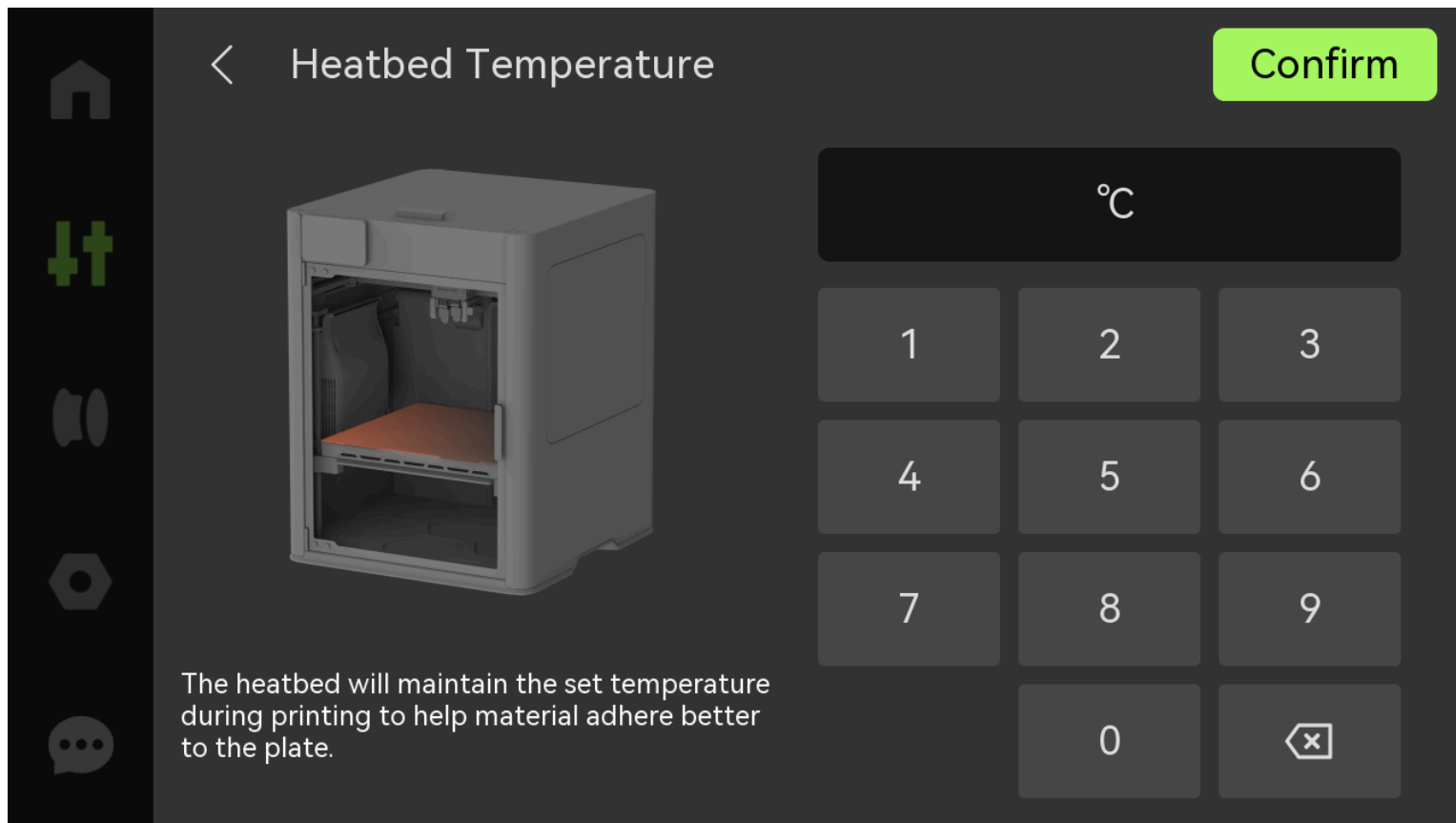
Left ✓   Right ○

Left N...   Right Nozzle

34   27 / 0 ℃

Standar...   Standard
Hardene...   Hardened
0.4mm   0.4mm

⚠ The toolhead will move during this process. Please don't reach into the printer.

Cancel   Confirm

Read Nozzle Info

5. Chamber Temperature

Same as the above chamber temperature.

6. Heatbed Temperature

Enter a value to set the heatbed temperature.

The heatbed will maintain the set temperature during printing to help material adhere better to the plate.
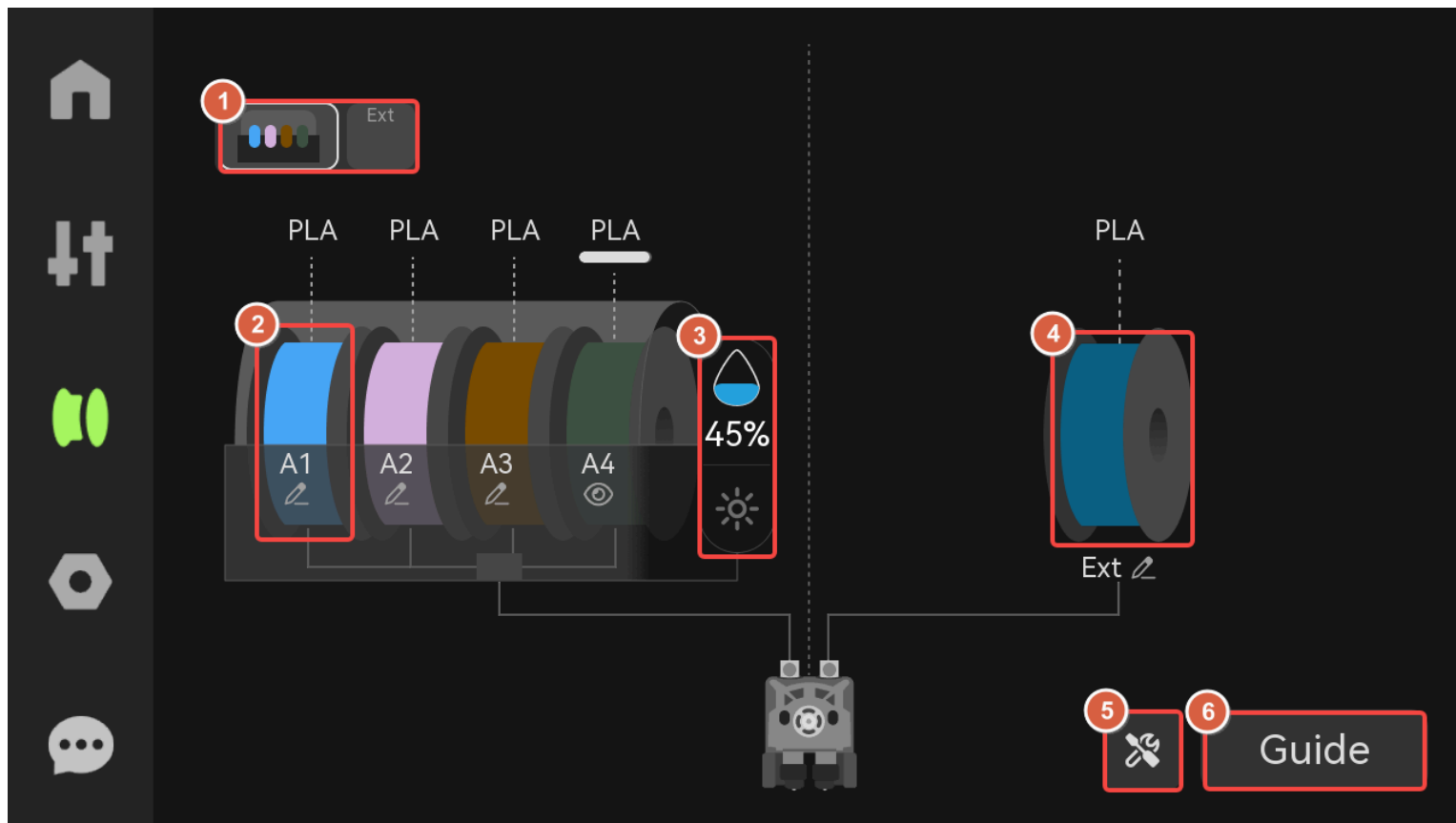
7. LED light

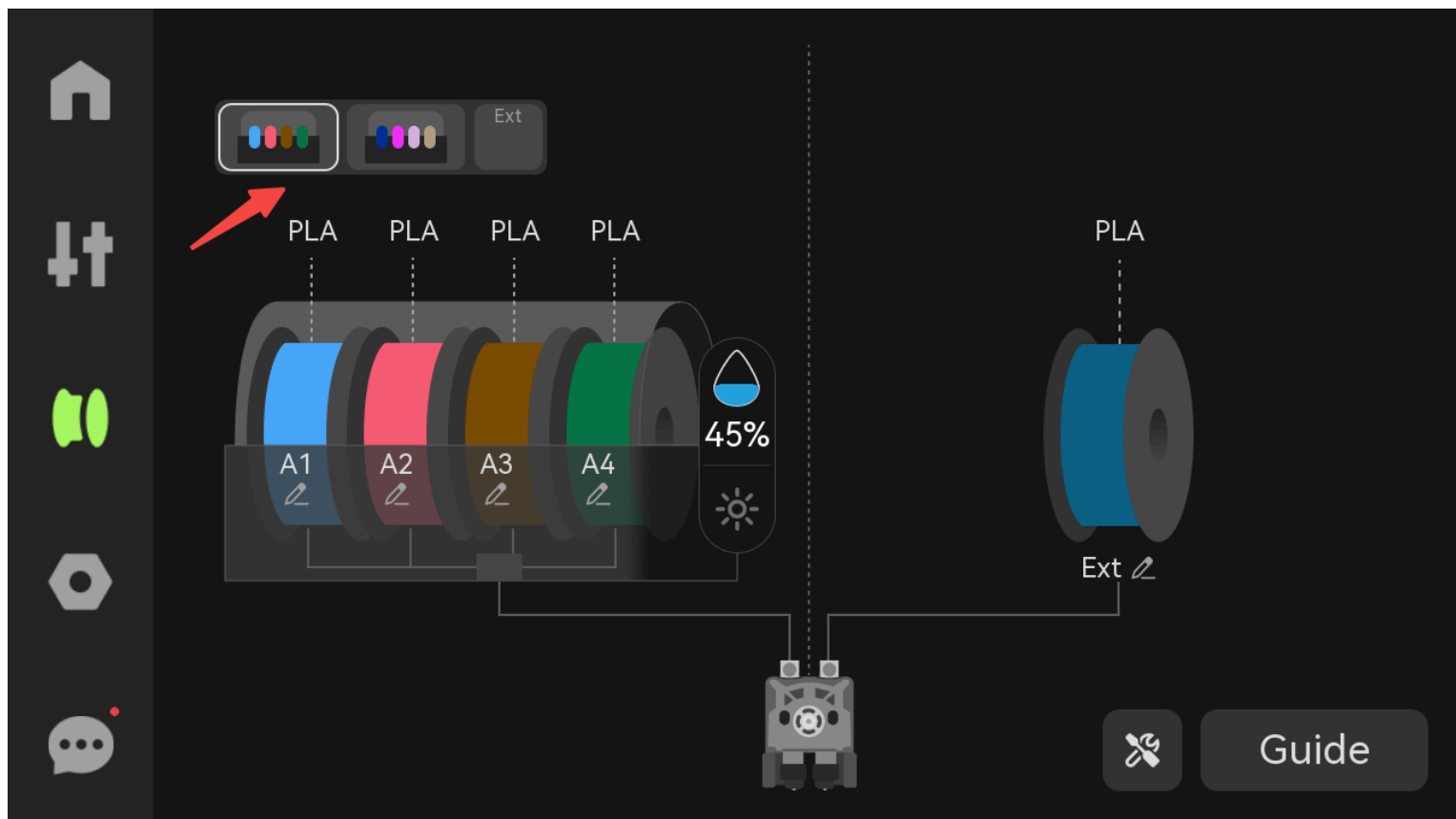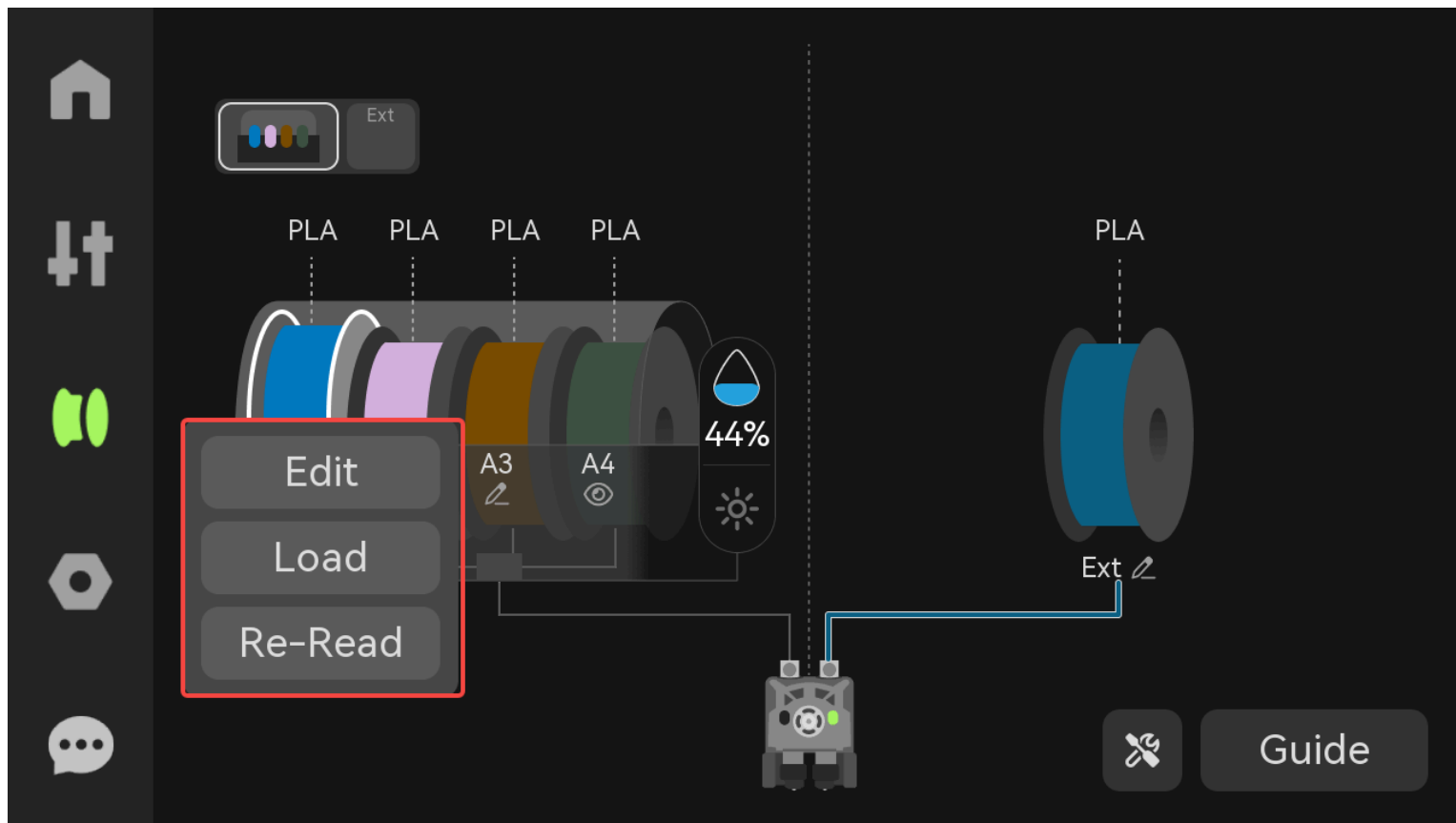Click the icon to open or close the LED light.
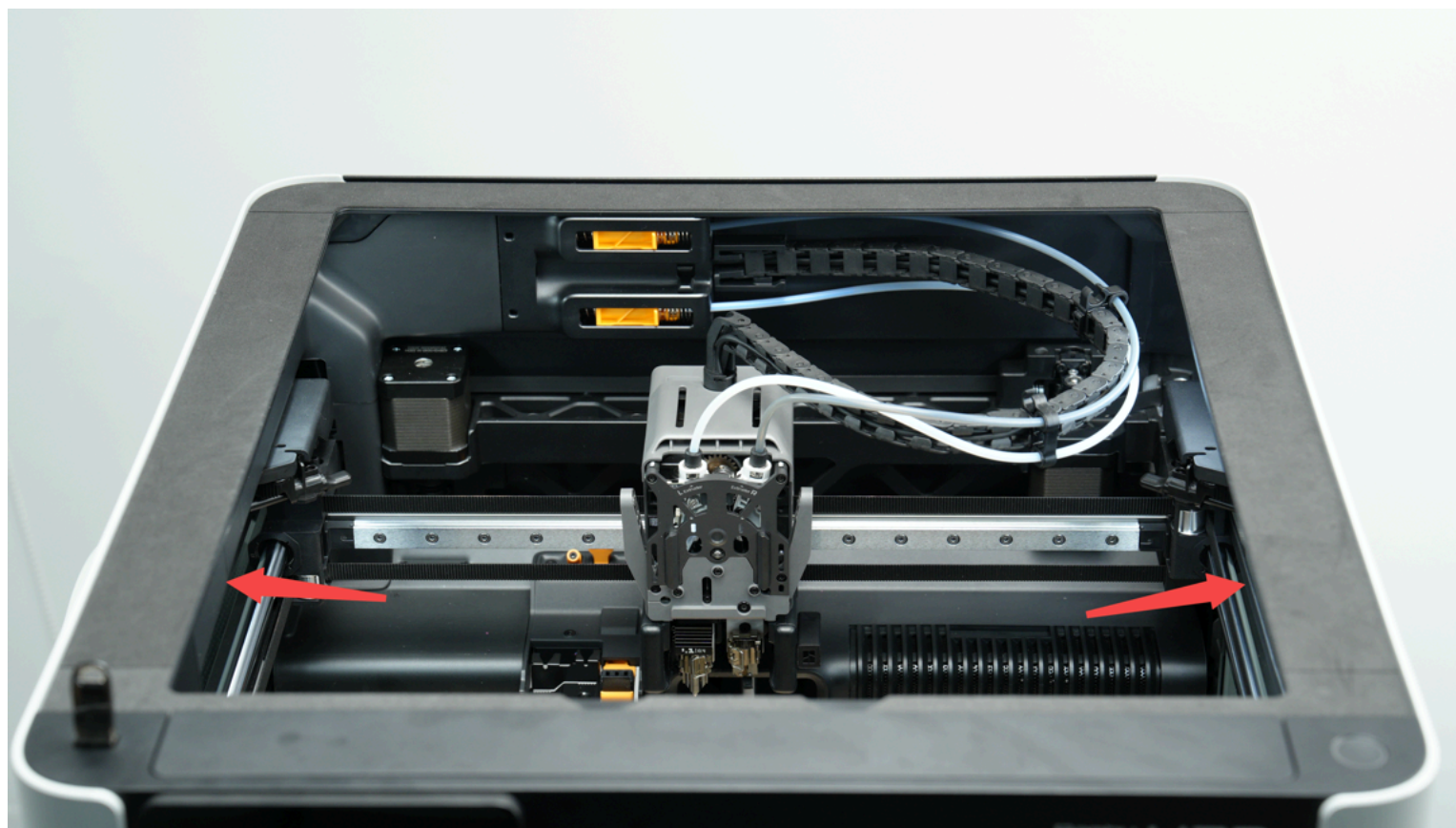
Filament

1. Device

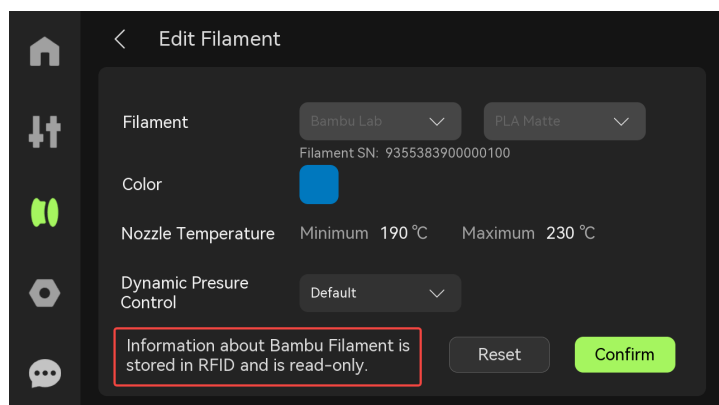Click to switch between different devices (AMS or external spool).
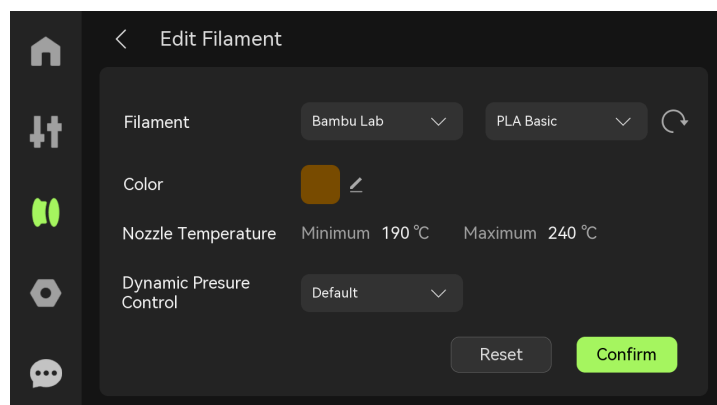

2. Spool

Click any spool icon to edit, load/unload, and re-read filament RFID.

▸ **Edit:** If AMS has identified a spool through RFID, you can view the filament information here, but you cannot modify the filament parameters; if the RFID is not read, you can modify the filament information here;


RFID read

RFID not read

▸ **Load:** Click the button, and the AMS 2 Pro will automatically feed the filament into the extruder;

▸ **Re-Read:** Click the button, and AMS 2 Pro will reread the RFID of the spool in the slot.

3. Dry and Humidity

The humidity and temperature inside the AMS can be checked, and filaments can be dried.

NOTE: You can also turn on the drying function in Setting > Toolbox > Dry Filament.
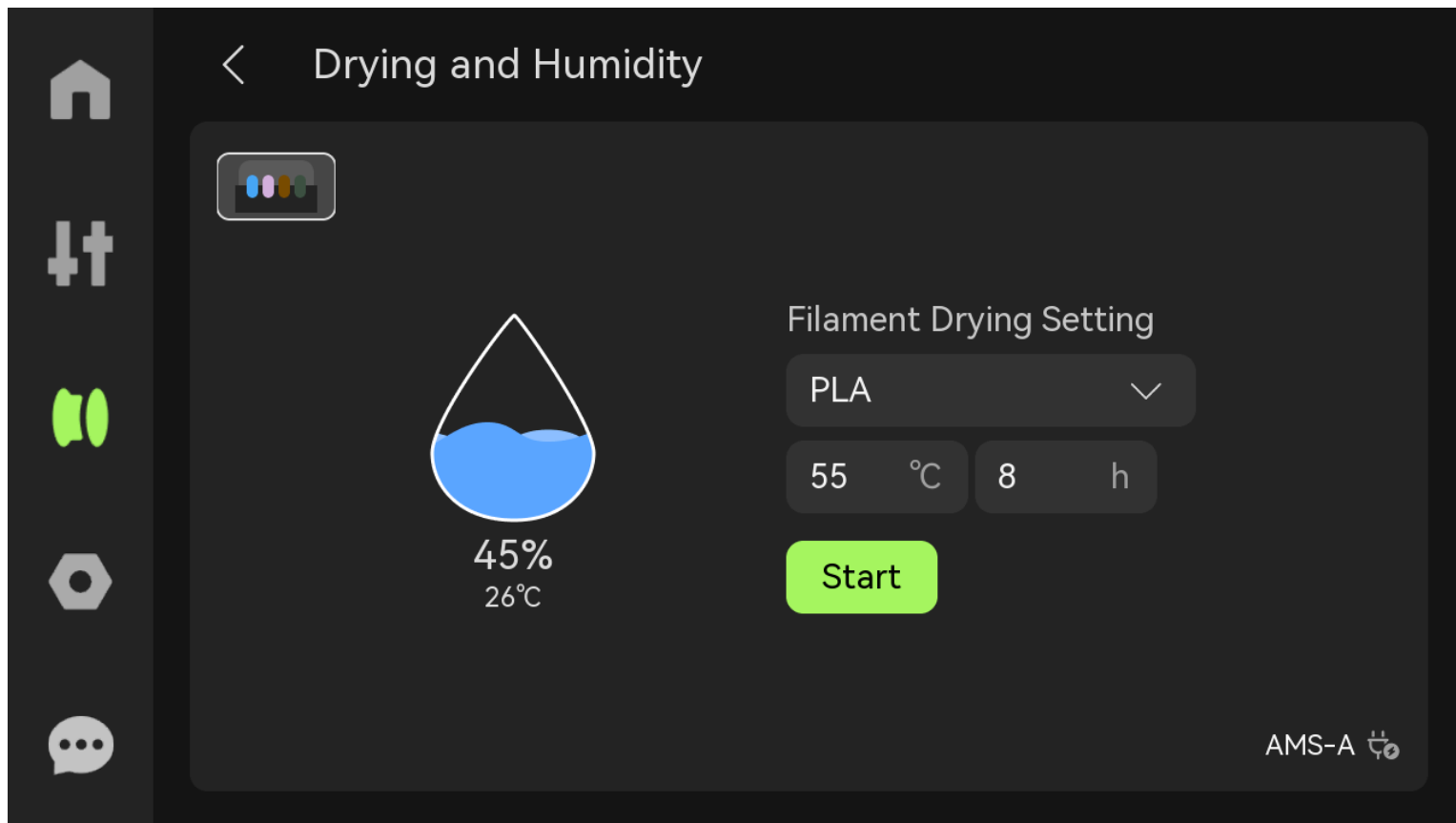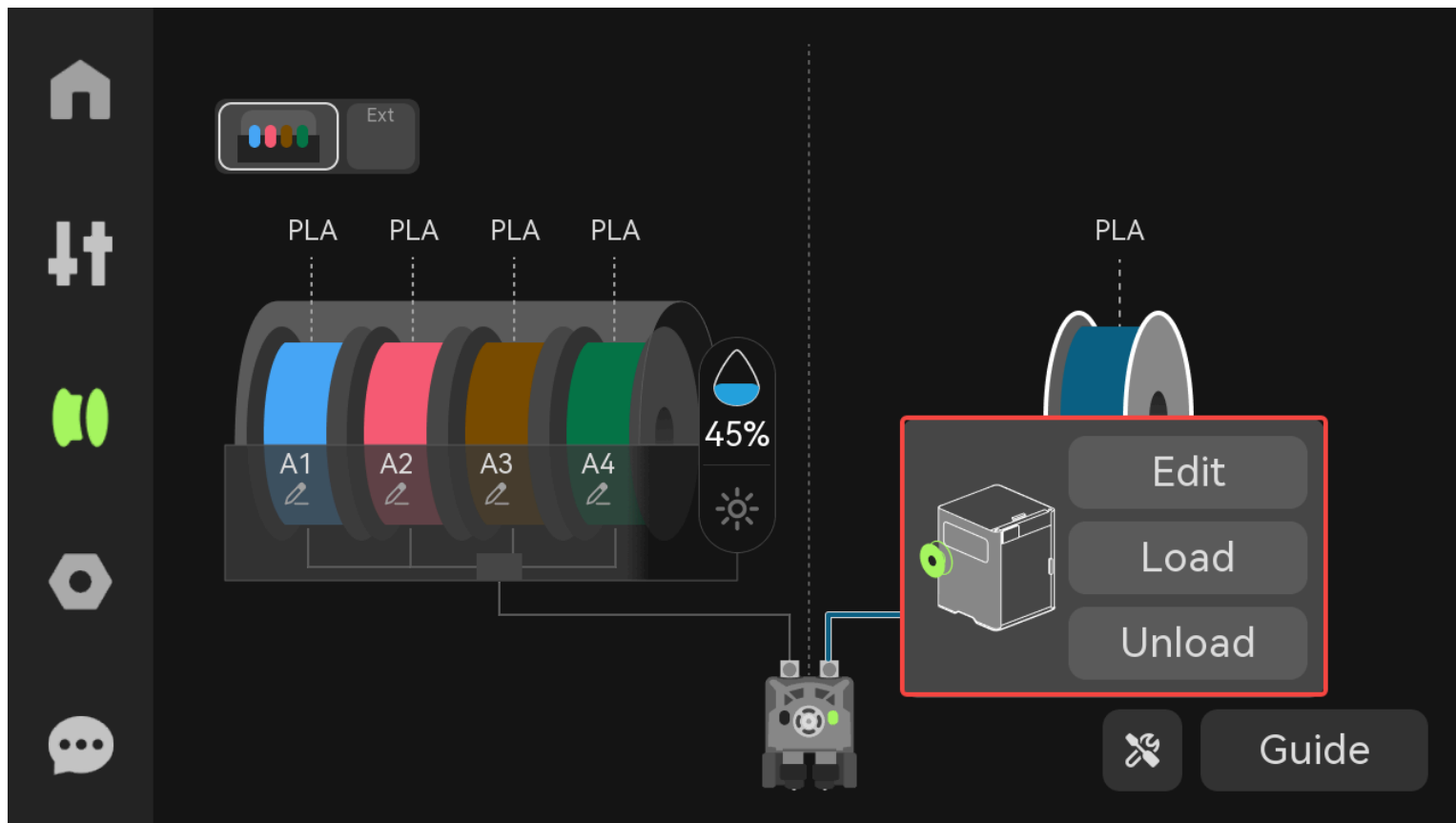
If multiple AMS 2 Pro/HT are connected, you can click the icon in the upper left corner to switch between different devices, view the real-time humidity and temperature data of each AMS, or start drying.
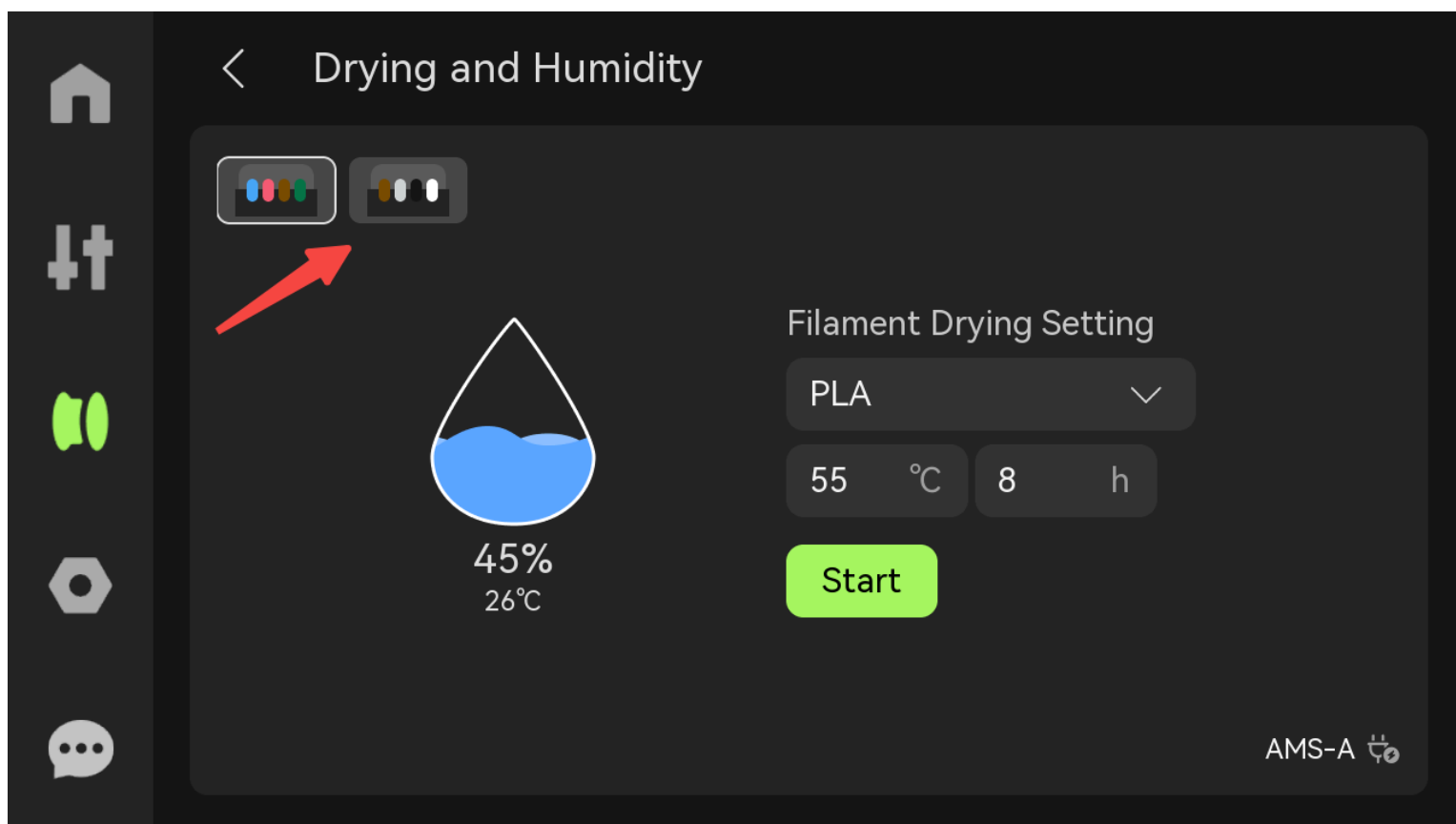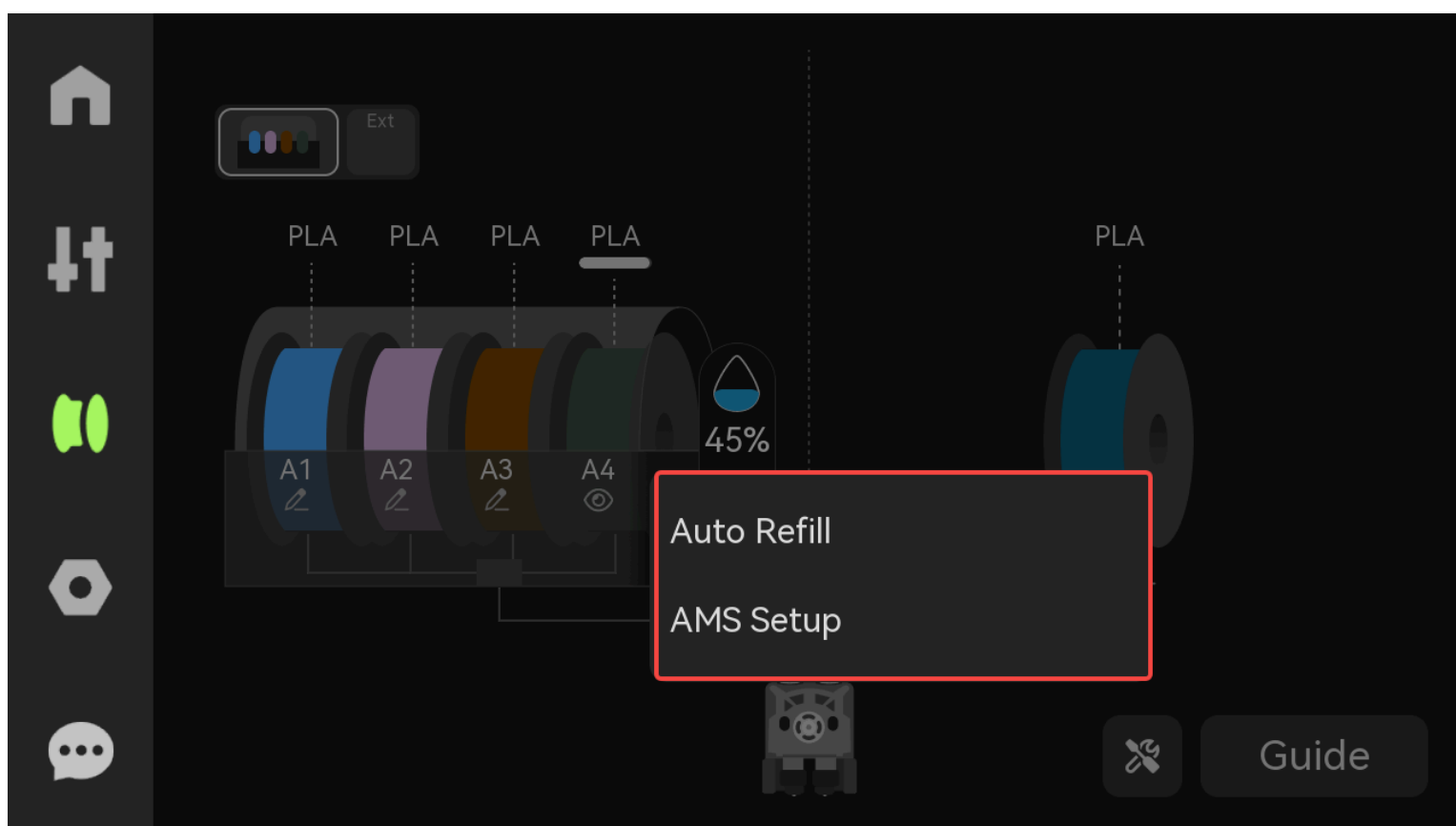

4. External spool

Click the external spool icon to edit, load and unload filaments;

5. Tools

1. **Auto Refill:** When the brand, type, and color of the filaments are identical, the system will establish an automatic refill relationship. When the current filaments run out, the printer will automatically switch to another filament with the same properties to continue printing.

Note: An automatic refill relationship can only be established if both identical filaments come from the same extruder connected to the AMS, meaning left to left and right to right. If the filaments come from different extruders, an automatic

refill relationship cannot be established.
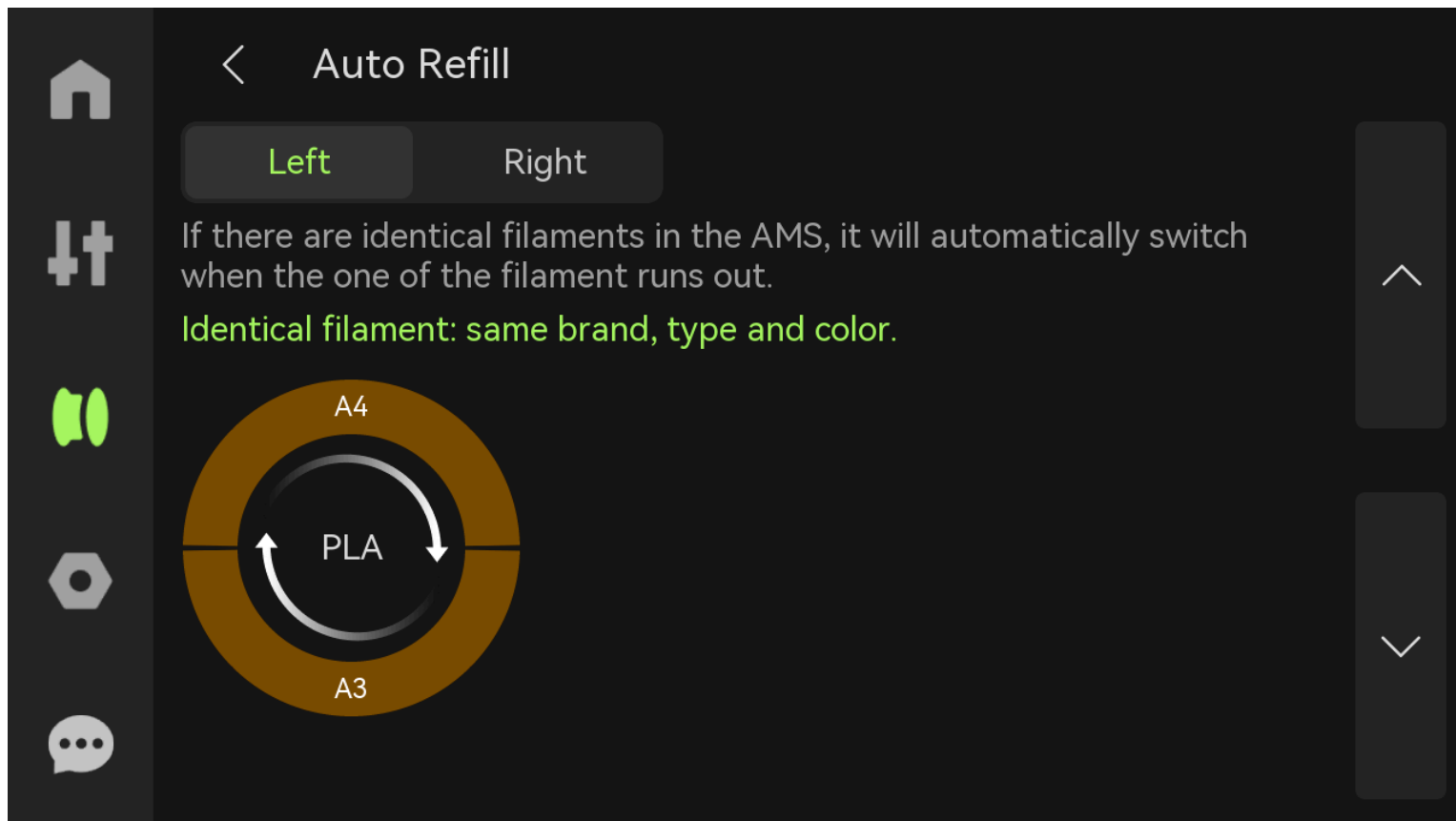
2. **AMS Setup:** When the AMS 2 Pro is connected to the H2D printer for the first time, it requires setup to detect which side of the extruder the AMS is connected to.
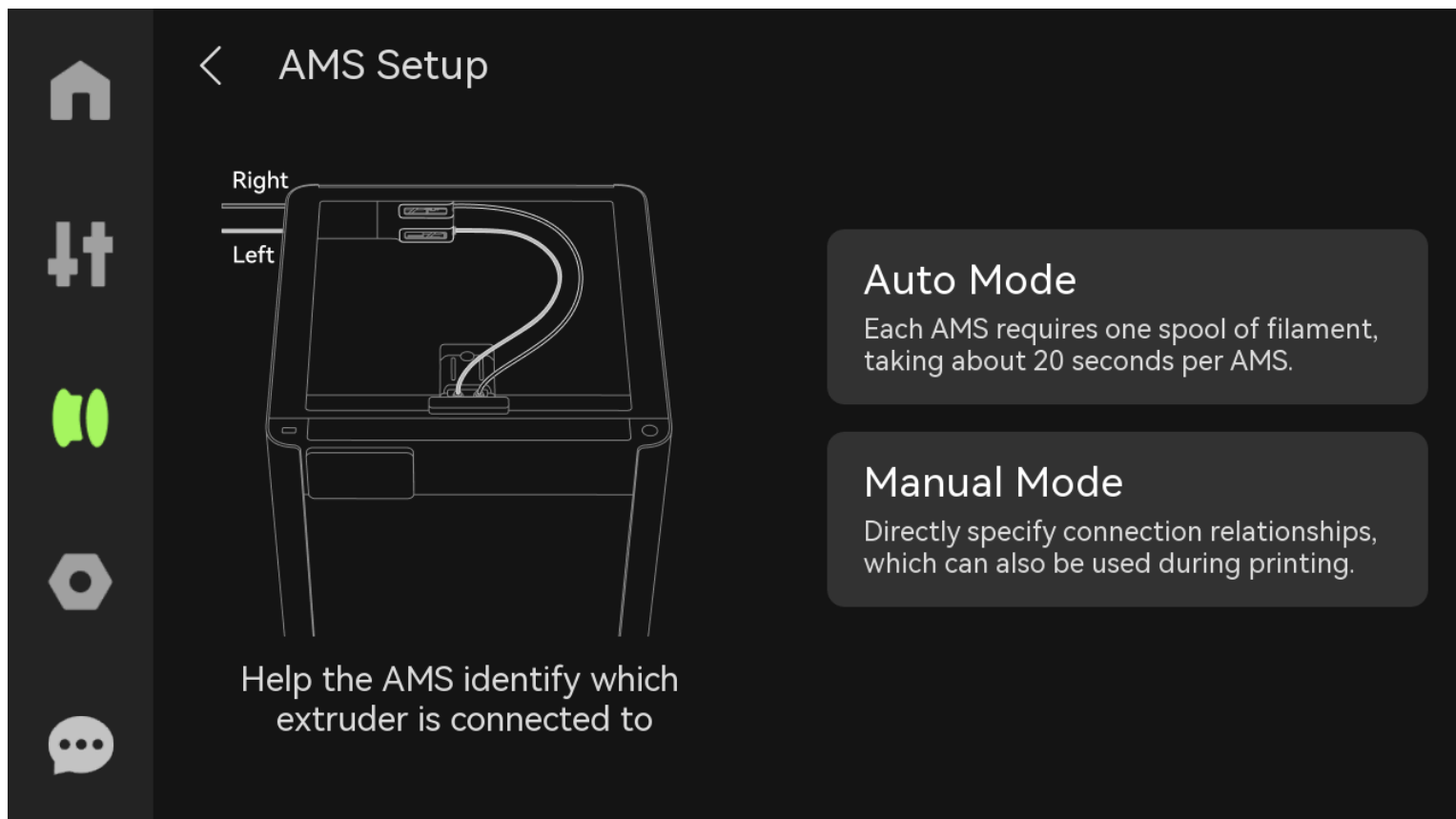

- ▸ **Auto AMS Setup:** AMS sends the filament to the extruder. Each left and right extruder is equipped with a Hall sensor. The signal triggered by the Hall sensor is used to determine which extruder AMS is paired with.

Note:

1. Ensure that the filament is inserted into AMS 2 Pro (any slot is fine).

2. Any loaded filament must be unloaded in advance.

3. Ensure that no filament is broken in the buffer. Ensure that there is no residual filament inside the filament buffer (to avoid leftover filament inside).
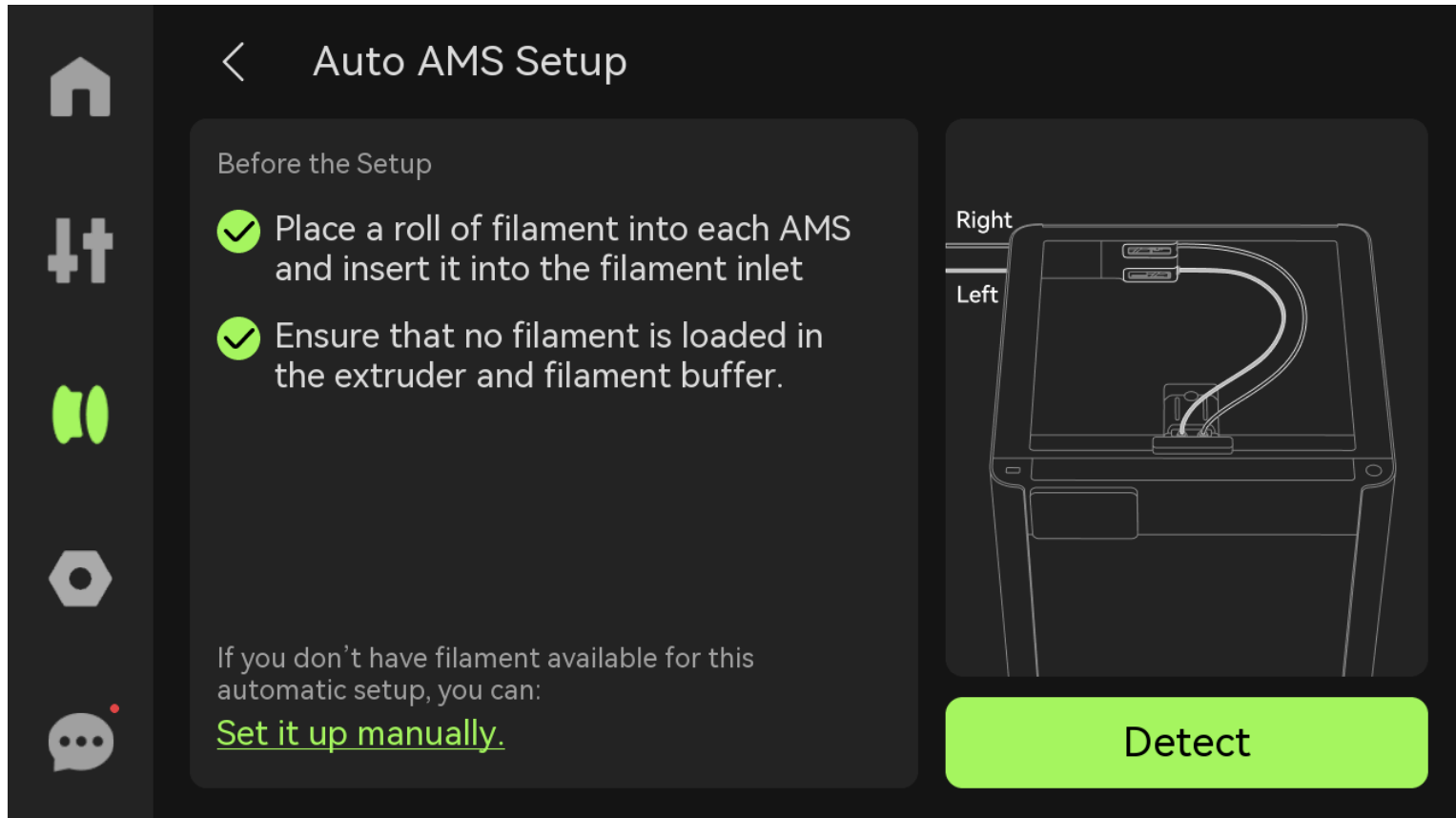

▸ **Manual AMS Setup:** Manually adjust the pairing relationship between AMS and extruder when there is no filament in AMS. When an AMS has sent the filament to the extruder, its icon will be gray (AMS-B in the figure below) and the pairing relationship with the extruder cannot be changed.
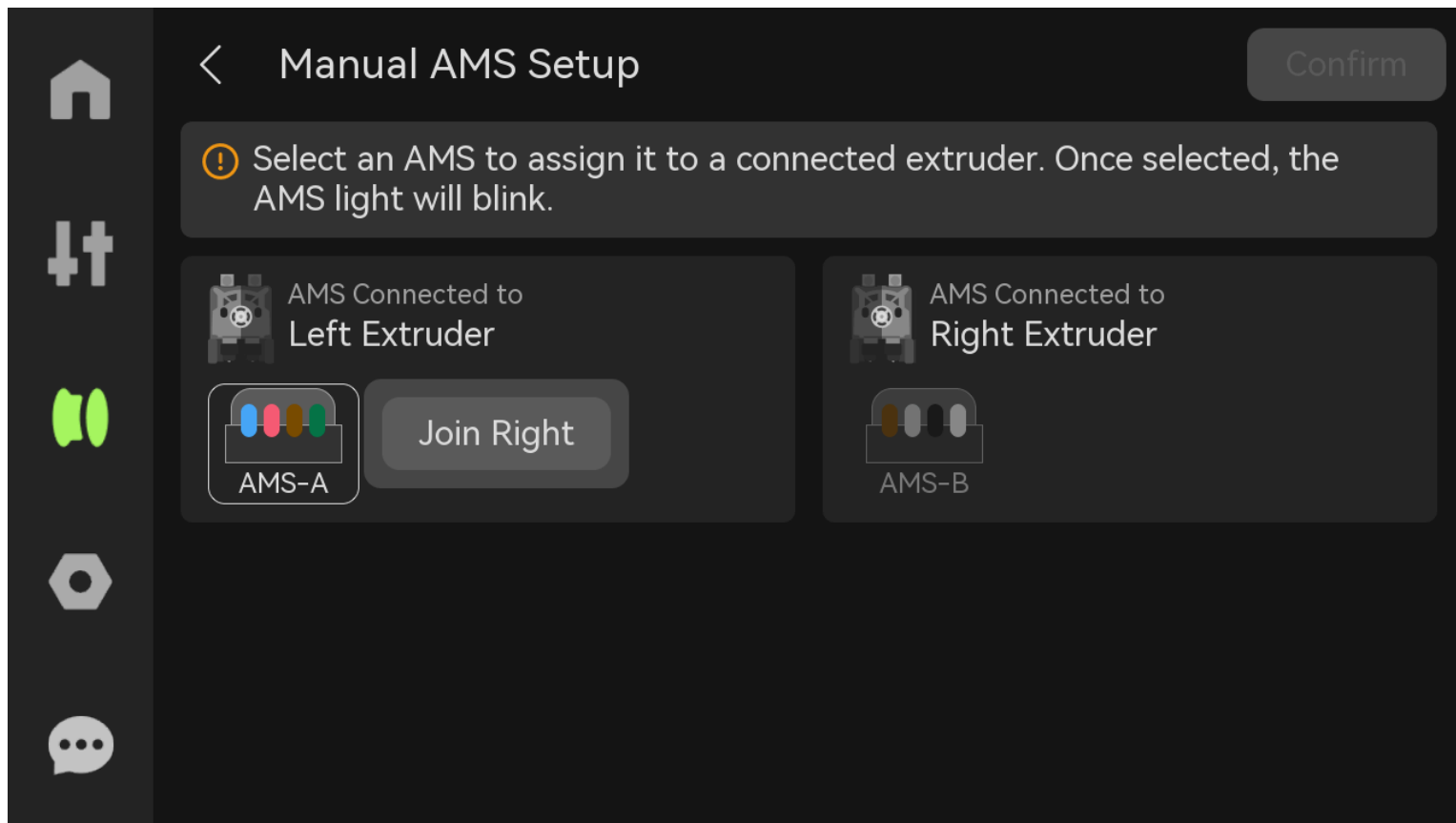
6. Guide

Instructions for feeding operation: Select a specific slot, click the spool icon, and then click the **Load** button to trigger automatic loading.
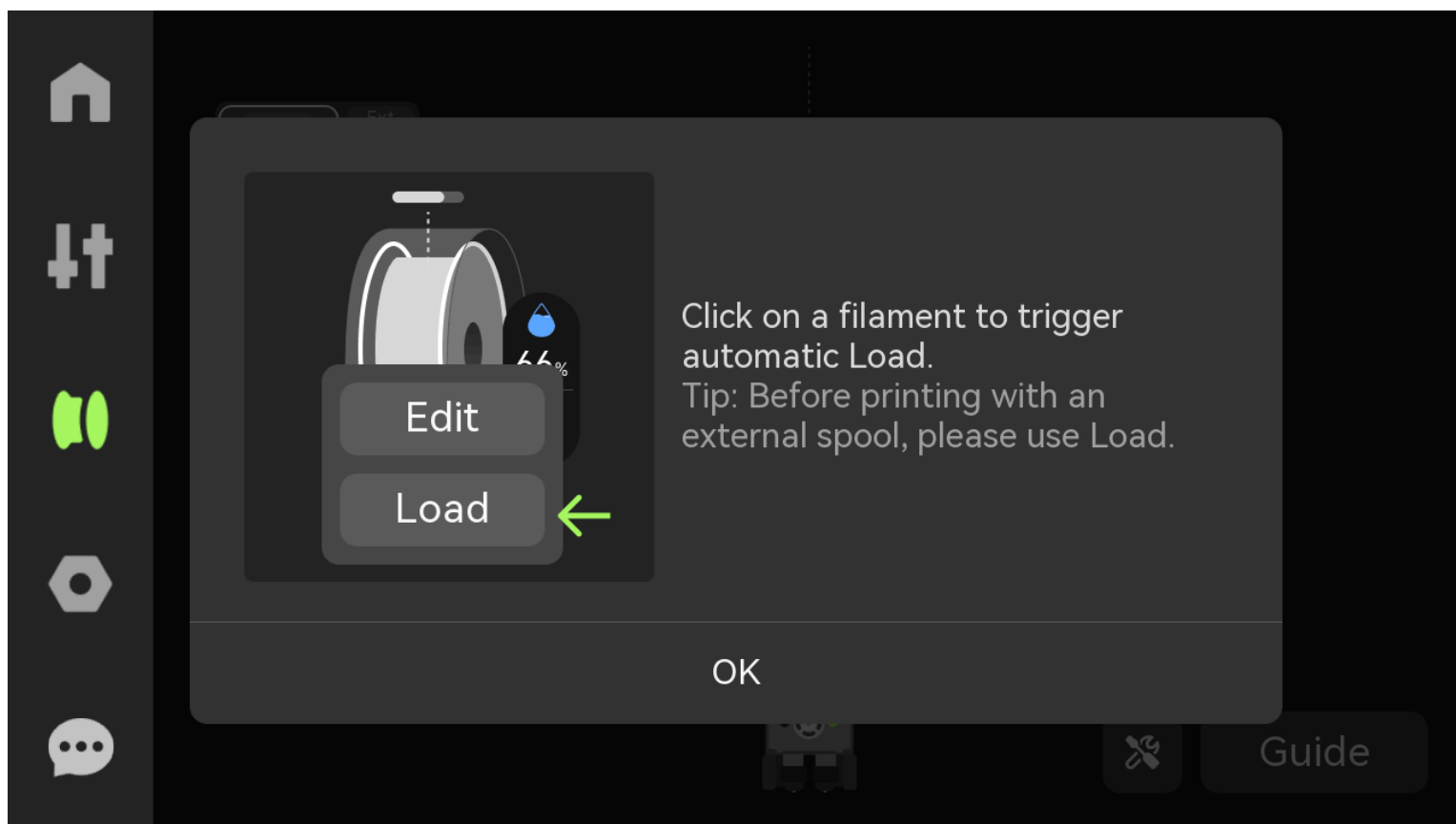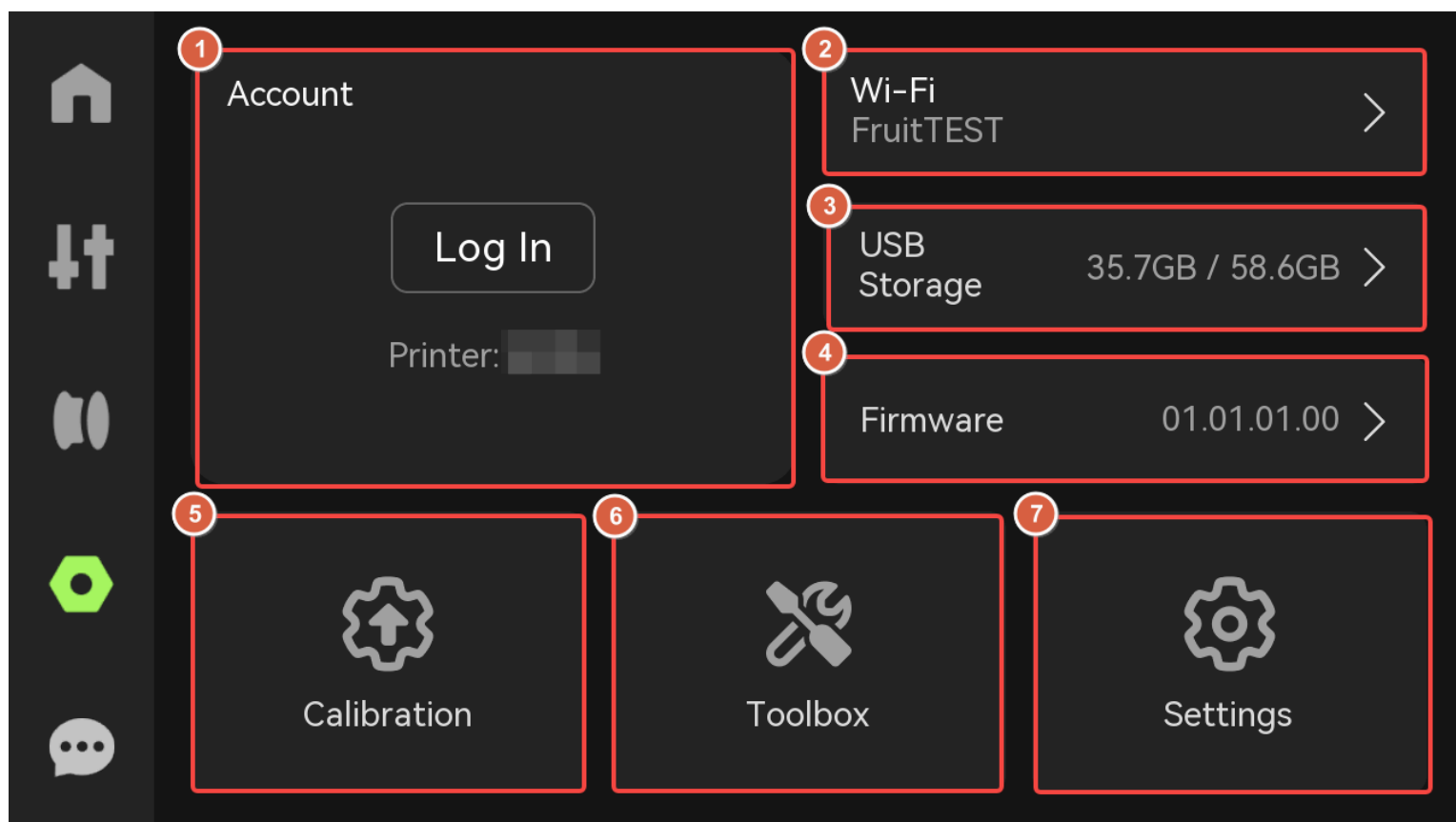

For more information on the filamnet page, please refer to:

[Introduction to AMS 2 Pro Workflow](#)
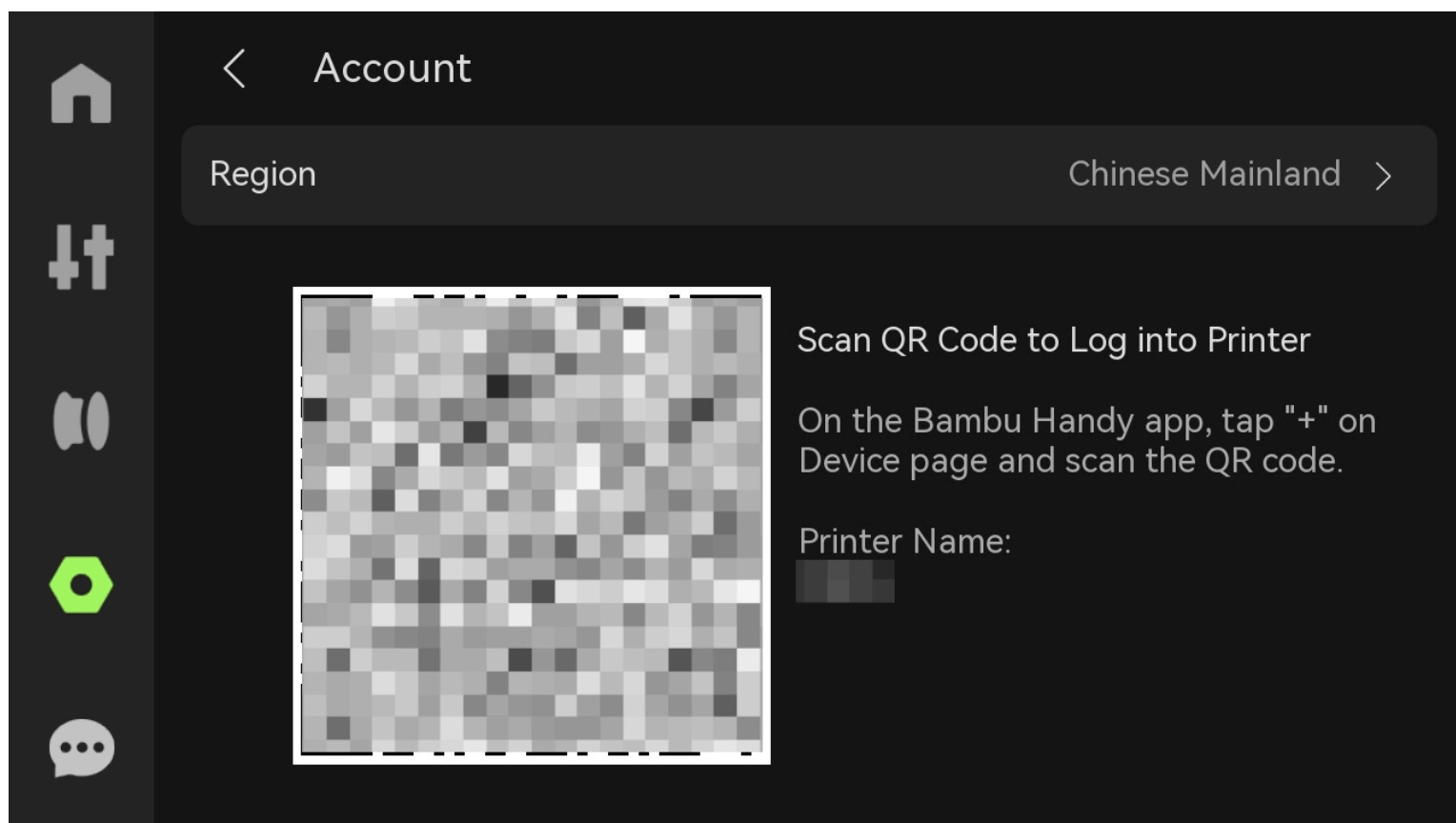
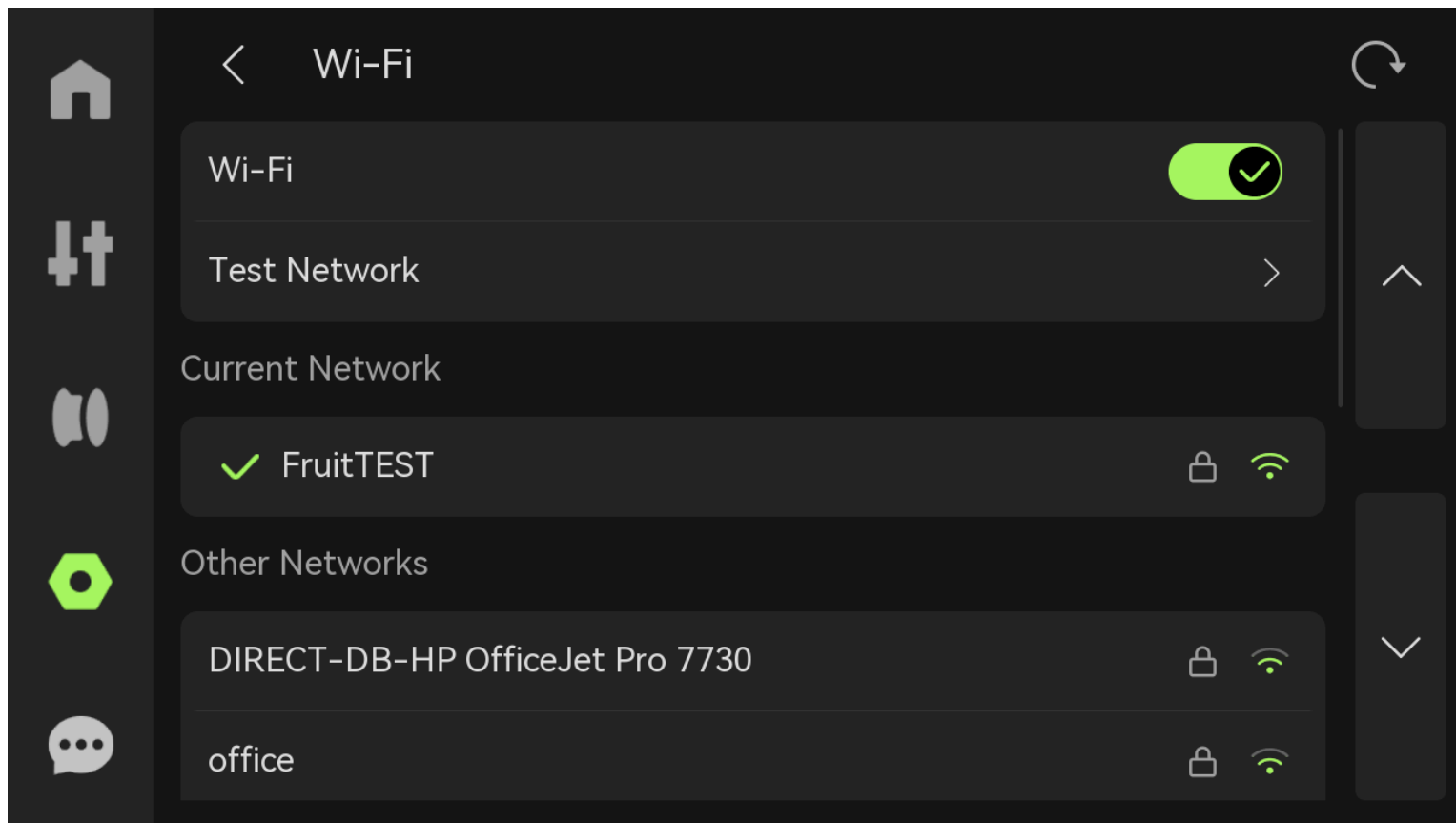[Introduction to AMS HT Workflow and Features](#)

Setting

1. Account

Open Bambu Handy and scan the code to access the account.

2. Wi-Fi

Set up the WLAN, view the current network, test network, or view and add other networks.

3. USB Storage

‣ **Storage:** Display the used capacity and maximum capacity of the USB flash drive.

‣ **Eject:** Click "Eject" to eject the USB drive safely.

‣ **Format external storage:** Once reset, the storage cannot be restored.

For USB flash drive specifications and usage recommendations, please refer to: Specifications and Usage Recommendations of H2D USB Flash Drives.

4. Firmware

View the current version of the device and historical versions, or perform offline upgrades. If the firmware needs to be updated, the "Update" button in the upper right corner will light up.

5. Calibration

1. **Print Calibration**: Includes motor noise cancellation, vibration compensation, auto bed leveling, high-temperature bed leveling and nozzle offset calibration.
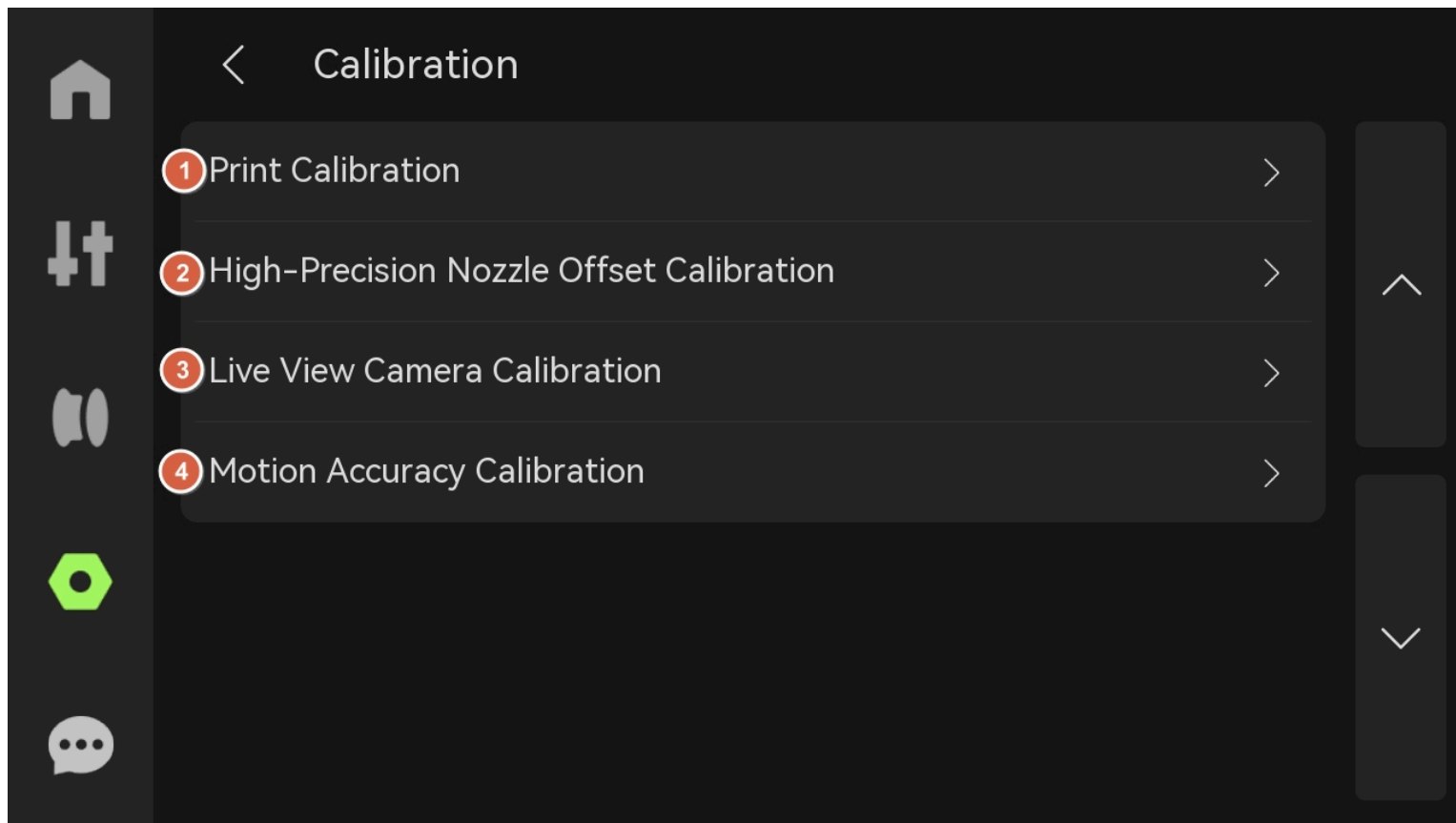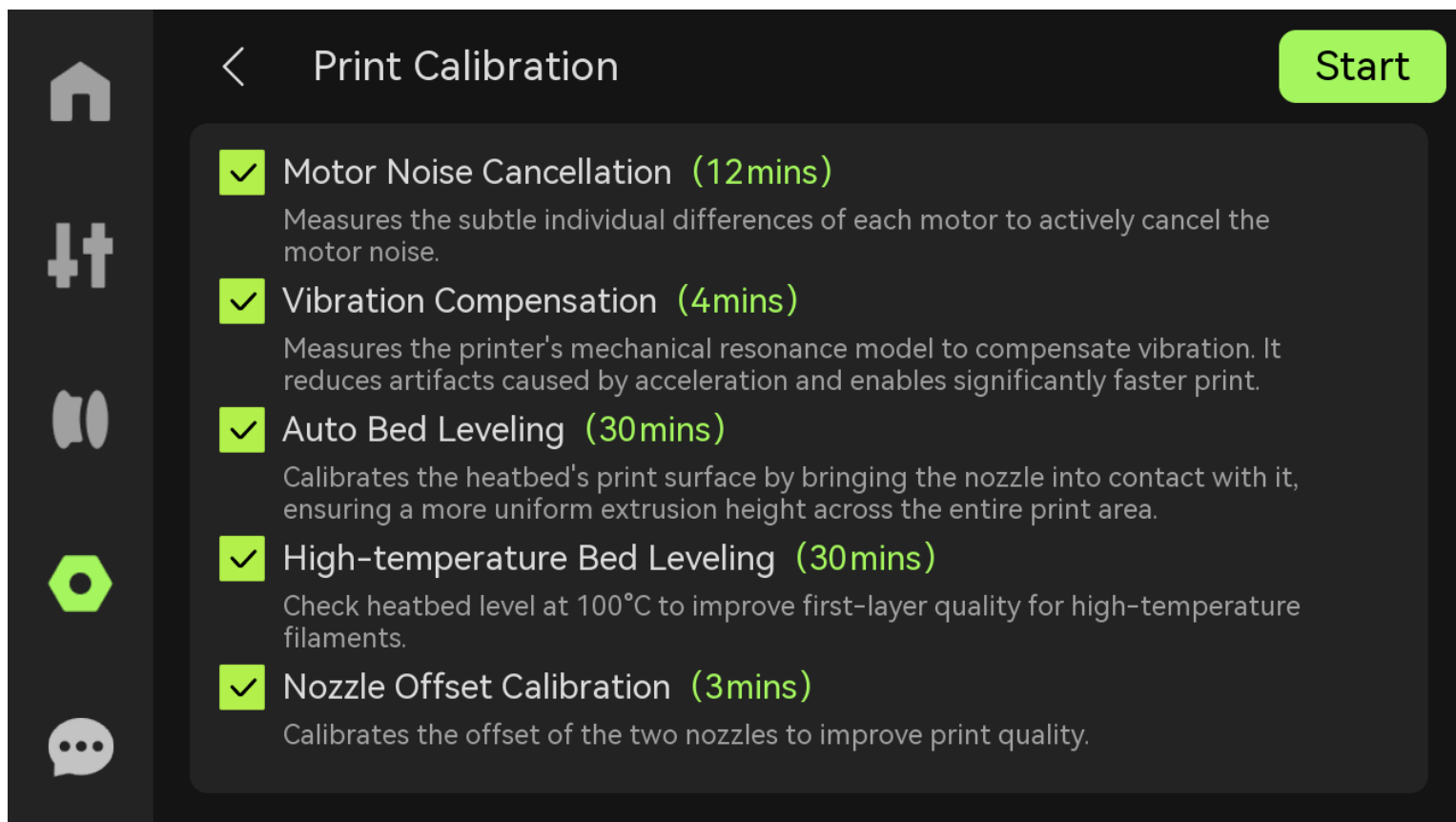

▸ **Motor Noise Cancellation:** Reduces the noise generated by the motor during printing, especially when printing for a long time or at high speed. By optimizing the motor's operating algorithm and control strategy, it can not only reduce noise, but also make the print surface smoother, thereby improving the final printing effect.

▸ **Vibration Compensation:** When any vibration is detected in real-time during printing, the toolhead position can be automatically adjusted to ensure the accuracy of printing. Especially when printing complex or detailed models, this calibration can effectively prevent errors caused by vibration and ensure that each layer is completed accurately.

- ‣ **Auto Bed Leveling:** Through intelligent algorithms, the distance between the nozzle and the build plate is adjusted to ensure that the gap in each corner is consistent, which can effectively avoid printing defects caused by uneven heatbed, thereby improving printing accuracy.

- ‣ **High-temperature Bed Leveling:** Before printing with high-temperature filaments such as ABS/ASA/PC/PA, high-temperature heatbed calibration can ensure that the heatbed remains stable in a high-temperature environment, effectively preventing warping or poor adhesion of the first layer, and improving the quality of the first layer print.

- ‣ **Nozzle Offset Calibration:** If the positioning of the two nozzles is offset, it may cause the model to be misaligned or layer-shifted during printing. If you find that the model has an obvious layer shift after switching nozzles during printing, it is recommended to perform a nozzle offset calibration. This process uses the eddy current sensor in the toolhead and the nozzle offset calibration sensor behind the heatbed to ensure the accuracy of the nozzle position to improve the quality and accuracy of the print. Through effective calibration, you can reduce printing errors and ensure perfect alignment of each layer.

2. **High-Precision Nozzle Offset Calibration:** Load two filaments, one dark and one light, to two nozzles respectively, and use AI visual inspection technology to accurately calibrate the offset of the two nozzles in the XY direction to improve print quality and accuracy.
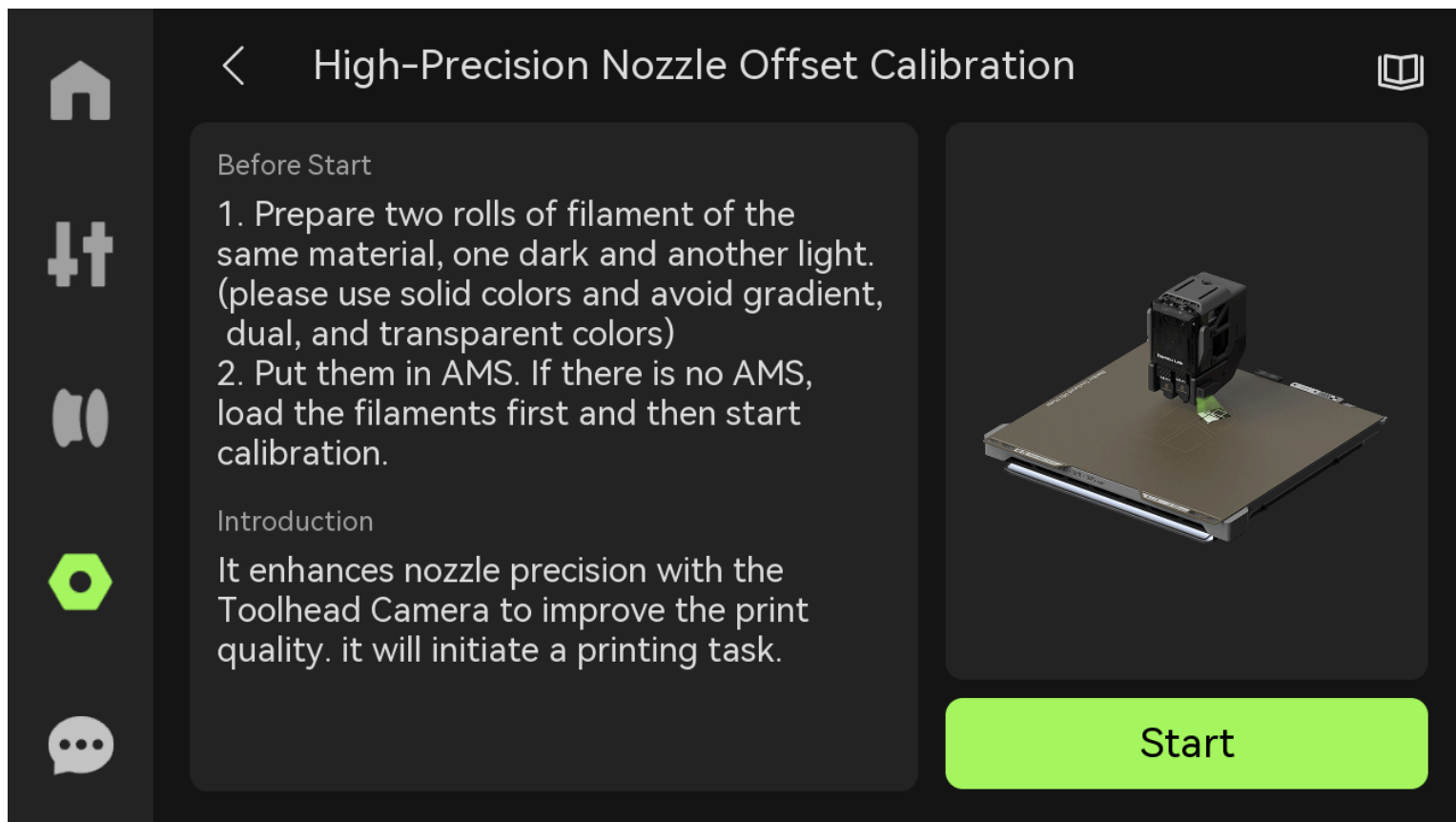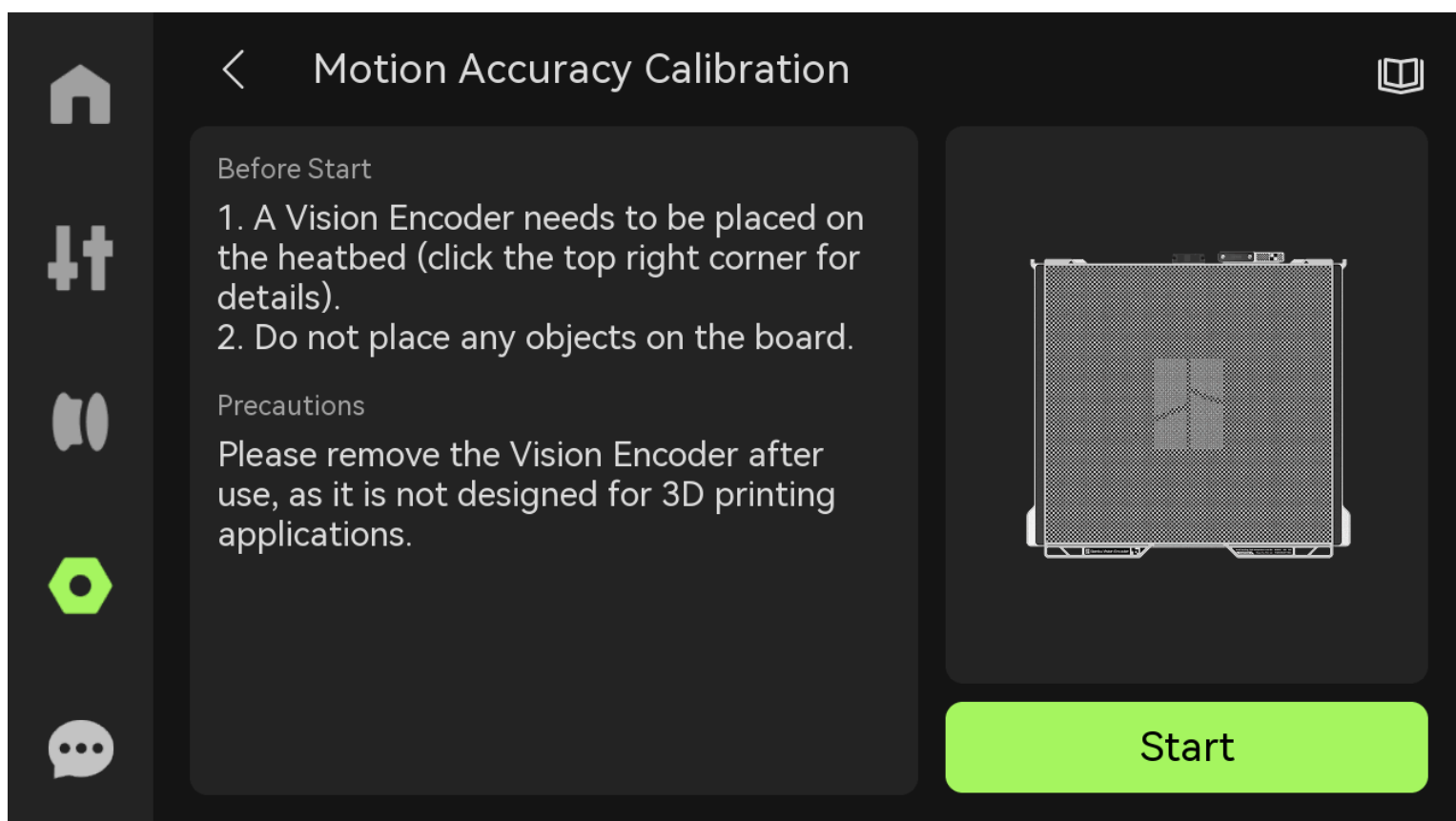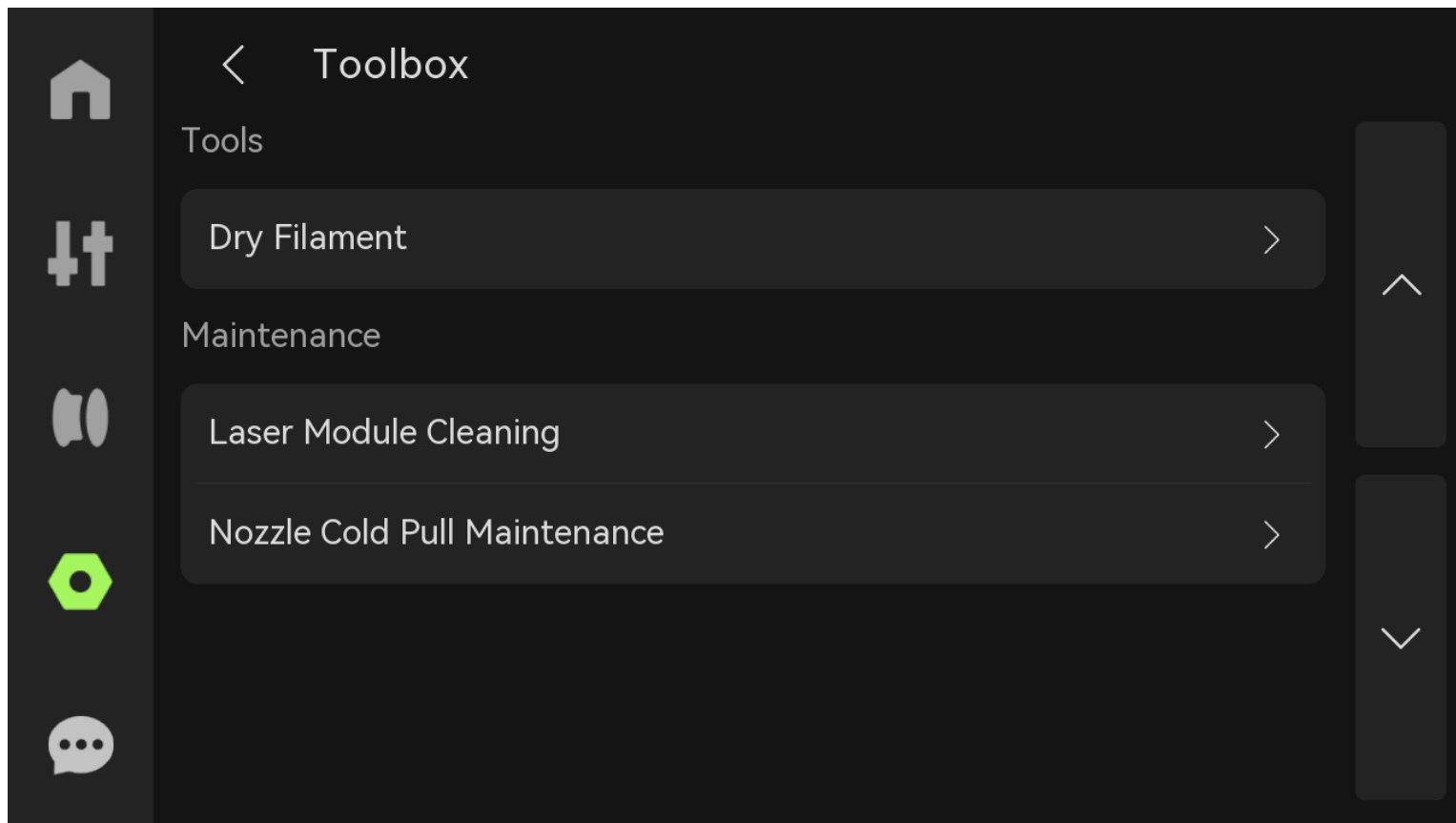

3. **Live View Camera Calibration:** By identifying specific marks on the heatbed and calibrating the position and angle of the live camera, the detection error caused by camera viewing angle deviation and position error can be reduced, thereby significantly improving its detection accuracy and achieving higher image capture quality.

Live View Camera Calibration

Before Proceeding

1. Remove all external modules from the toolhead.
2. Clean up the heatbed and expose the heatbed marker.

Introduction

Calibrates the camera's position and attitude to improve detection accuracy.
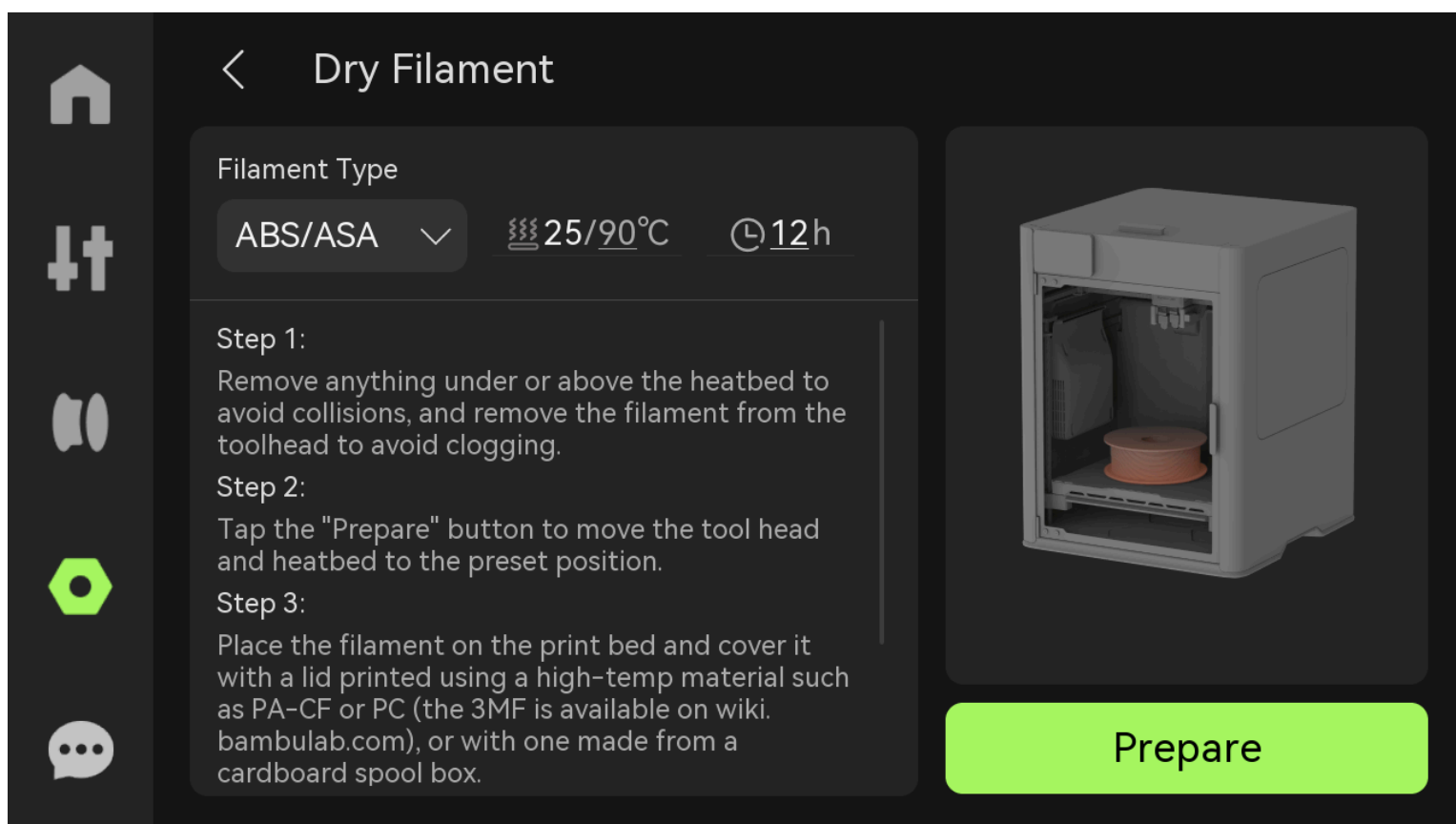
Start
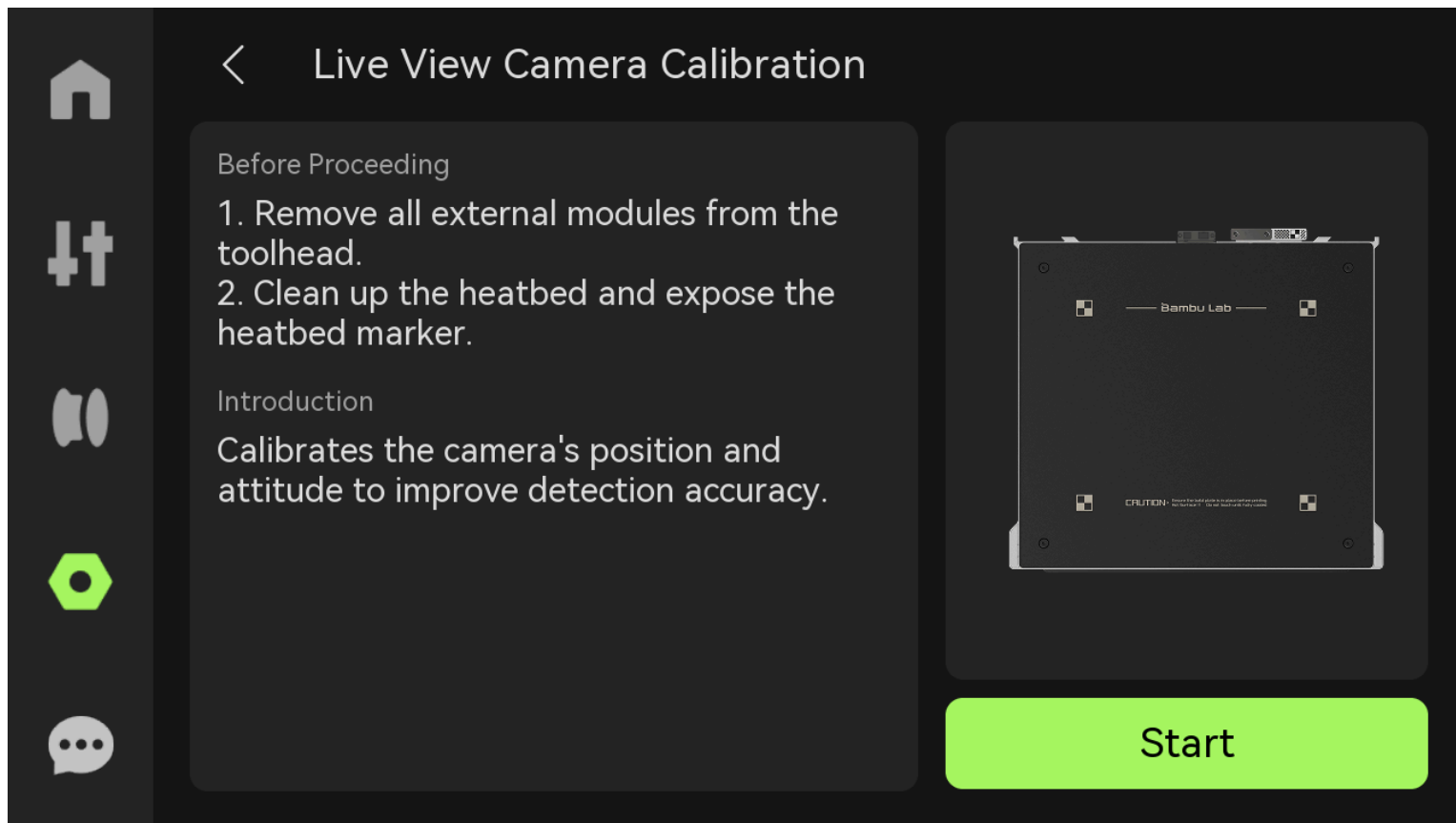
4. **Motion Accuracy Calibration:** Designed for users who have high requirements for print quality, it aims to solve the absolute positioning problem in the 3D printing process, thereby improving printing accuracy, especially for large-size printing. Through this process, motion hysteresis and motion distortion can be significantly suppressed, ensuring a more accurate printing.

For more information on motion accuracy calibration, please refer to: Motion Accuracy Calibration.

Motion Accuracy Calibration

Before Start

1. A Vision Encoder needs to be placed on the heatbed (click the top right corner for details).
2. Do not place any objects on the board.

Precautions

Please remove the Vision Encoder after use, as it is not designed for 3D printing applications.

Start

6. Toolbox

▸ **Dry Filament:** Select the filament type, set the drying temperature and duration, and dry the filament.

▸ **Laser Module Cleaning:** Regular cleaning of the laser module prevents the accumulation of powder and debris, ensuring the normal operation of the equipment and extending its service life. The printer will assess the degree of contamination of the printer based on the total engineering time and laser task type in Bambu Suite. The length of the green progress bar on the left side of the screen will decrease as the laser module is cleaned; if the progress bar turns red and displays "Cleaning Required Immediately", cleaning is required. Specific tutorials can be obtained through the QR code on the right. Please refer to: Regular maintenance recommendations for 10w laser module.

- ‣ **Nozzle Cold Pull Maintenance:** When the extruder motor frequently overloads and reports errors at normal printing flow, it means that the nozzle resistance is too large and needs to be cleaned urgently; at the same time, since TPU is extremely sensitive to nozzle resistance, if the nozzle has been used to print other filaments before, it is recommended to perform cold pull cleaning on the nozzle before printing TPU to ensure smooth printing. For details on nozzle cold pull maintenance, please refer to: H2D Nozzle Cold Pull Maintenance and Cleaning.
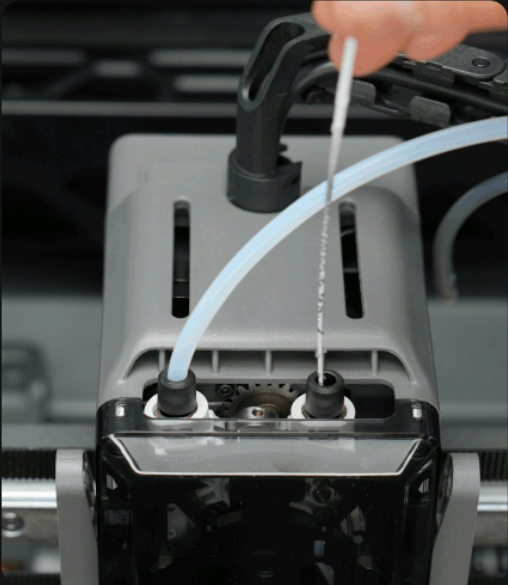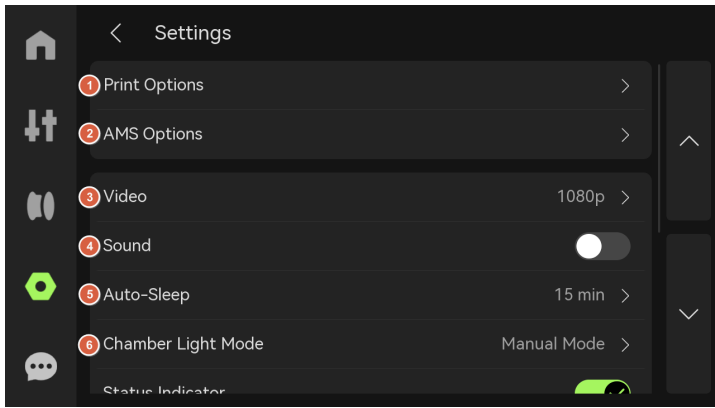

7. Settings
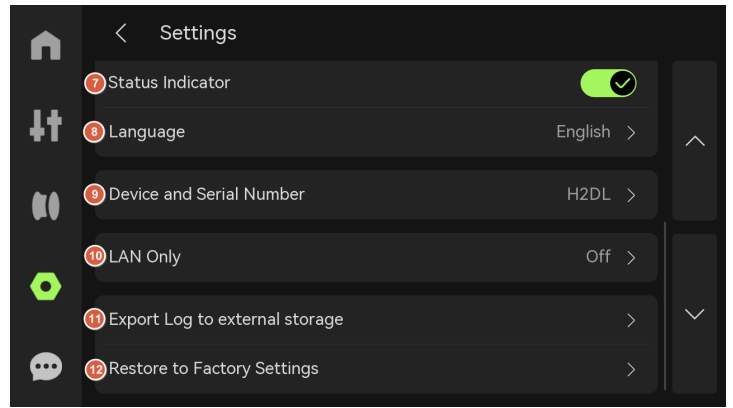
1. **Print Options:**
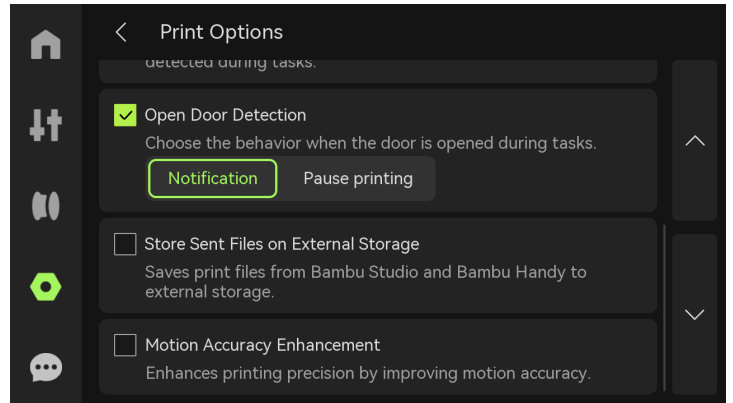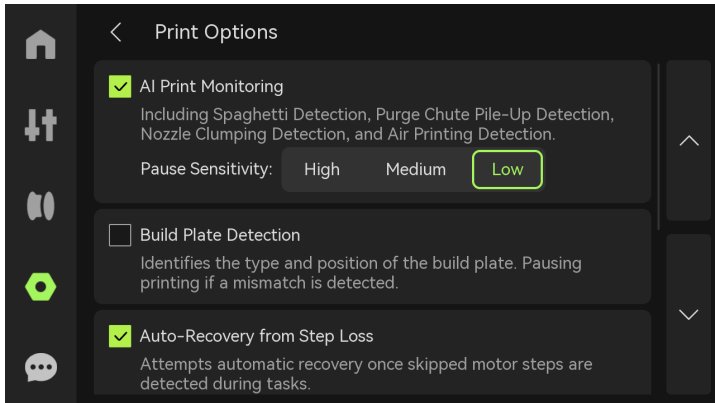
- ‣ **AI Print Monitoring:** Detect spaghetti, purge chute pile-up and nozzle clumping during the printing process, and select the sensitivity to pause printing. The pause sensitivity is divided into **high** (pause immediately when small problems are found), **medium** (pause when a certain degree of problem occurs), and **low** (pause only when there is an obvious abnormality) to adapt to different print quality needs.

- ‣ **Build Plate Detection:** Detect print plate markings. If the markings are not within the predefined range or do not match the slice file, the printer stops printing. This prevents unplaced or misplaced print plates.

> For more information about intelligent detection, please refer to: [Introduction to H2D Intelligent Detection](#).

- ‣ **Auto-Recovery from Step Loss:** When the motor detects a position shift (lost step), the X-axis, Y-axis, and Z-axis are repositioned and returned to the pre-shift position to continue executing the unfinished G-code to ensure print quality.

- ‣ **Open Door Detection:** When turned on, the printer will detect whether the front glass door is open, and you can choose to trigger a notification or pause printing when the door is opened.

- ‣ **Store Sent Files on External Storage:** If printing is initiated through the cloud, the print files will be cached in external storage.

- ‣ **Motion Accuracy Enhancement:** Designed for users who have high requirements for print quality, it aims to solve the absolute positioning problem in the 3D printing process, thereby improving printing accuracy, especially for large-size printing. Through this process, motion hysteresis and motion distortion can be significantly suppressed, ensuring a more accurate printing.

2. **AMS Settings**：
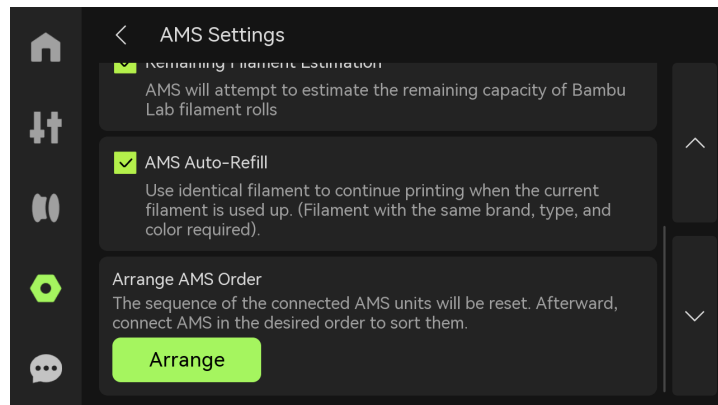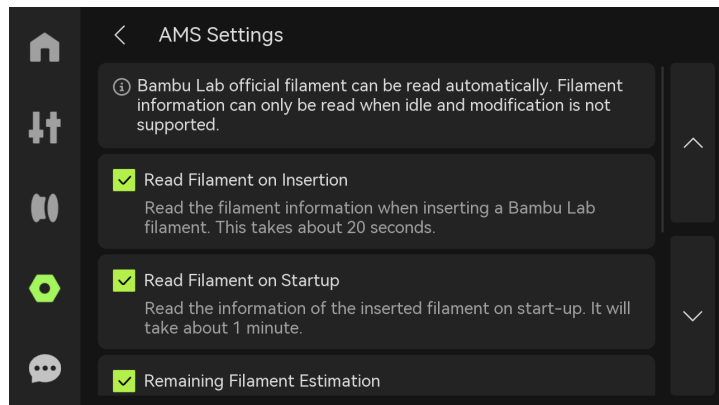
▸ **Read Filament on Insertion:** After inserting the filaments for pre-loading, AMS will perform RFID reading operation.

▸ **Read Filament on Startup:** Everytime you restart the printer, AMS will automatically read the inserted filaments information (the reading process will rotate the filaments).

▸ **Remaining Filament Estimation:** Estimate the remaining filaments when reading the RFID. When this function is turned on, the RFID will be read twice to obtain the filament information and estimate the remaining quantity. After reading the RFID and remaining quantity information of the filament, you can view the filament name above each slot. The small horizontal bar below the filament name shows the estimated remaining filaments.

▸ **AMS Auto-Refill:** When the filaments in one slot of the AMS run out, it can automatically switch to filaments with the same properties in other slots. These properties include brand, type, color, and nozzle temperature. Please make sure to configure the information of all filaments before printing to meet the requirements of auto-refill.

▸ **Arrange AMS Order:** Each AMS is assigned a sequence and displayed on the screen. The purpose of assigning AMSID is to facilitate the identification of their connections. The logic of assigning IDs is: the one directly connected to the printer is AMS-A, the one connected to AMS-B is AMS-C, and so on. If you need to reorder the AMS, you can click "Arrange", which will reset the order information of the AMS. After the reset is completed, please connect the AMS in sequence as needed.

3. **Video:** Set the video resolution. Higher resolution requires more storage space.

4. **Sound:** If you turn on the option, the printer will emit a sound when it is turned on, when printing starts, and when printing ends.

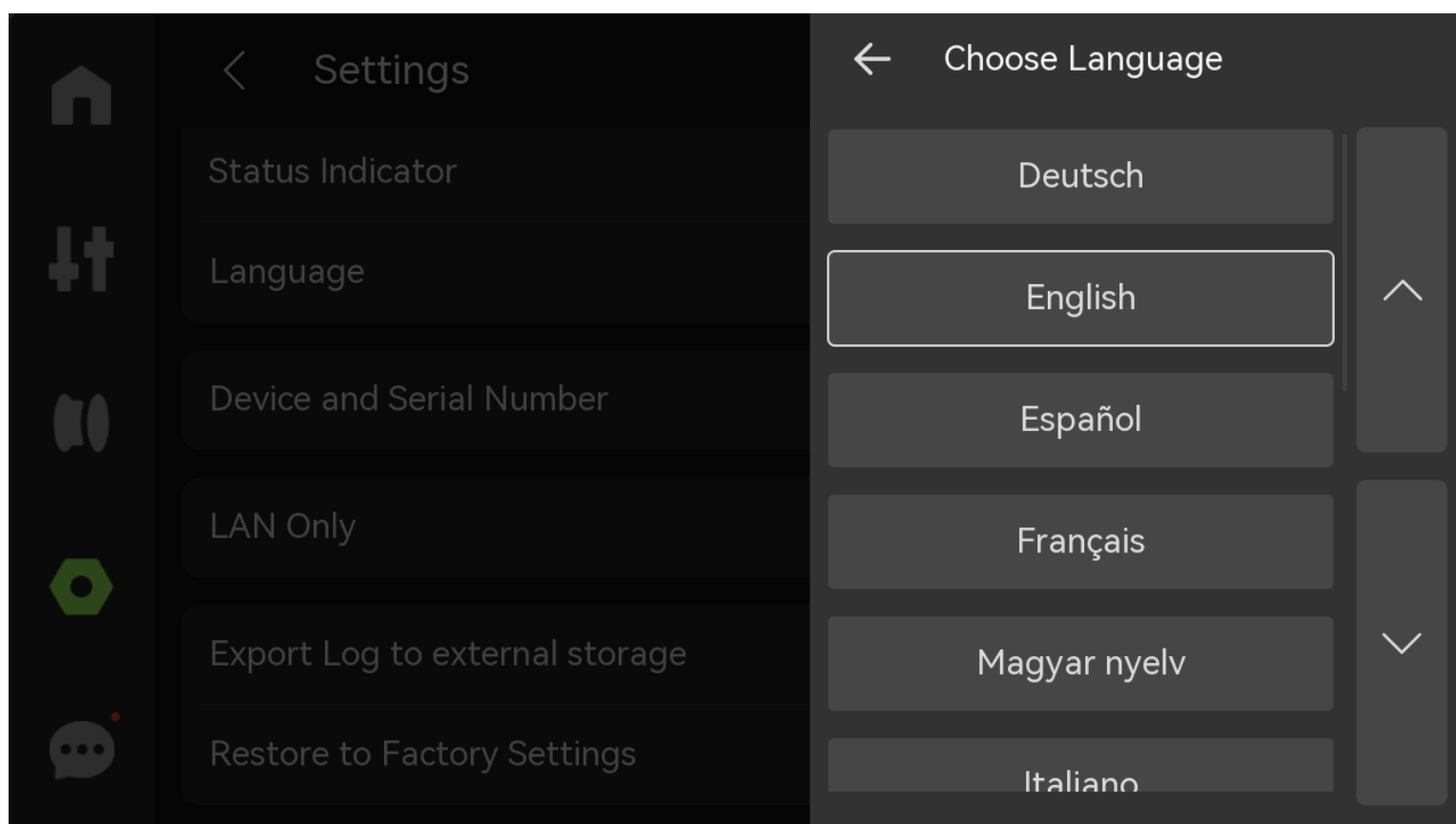5. **Auto-Sleep:** Select the length of time the printer will automatically sleep.
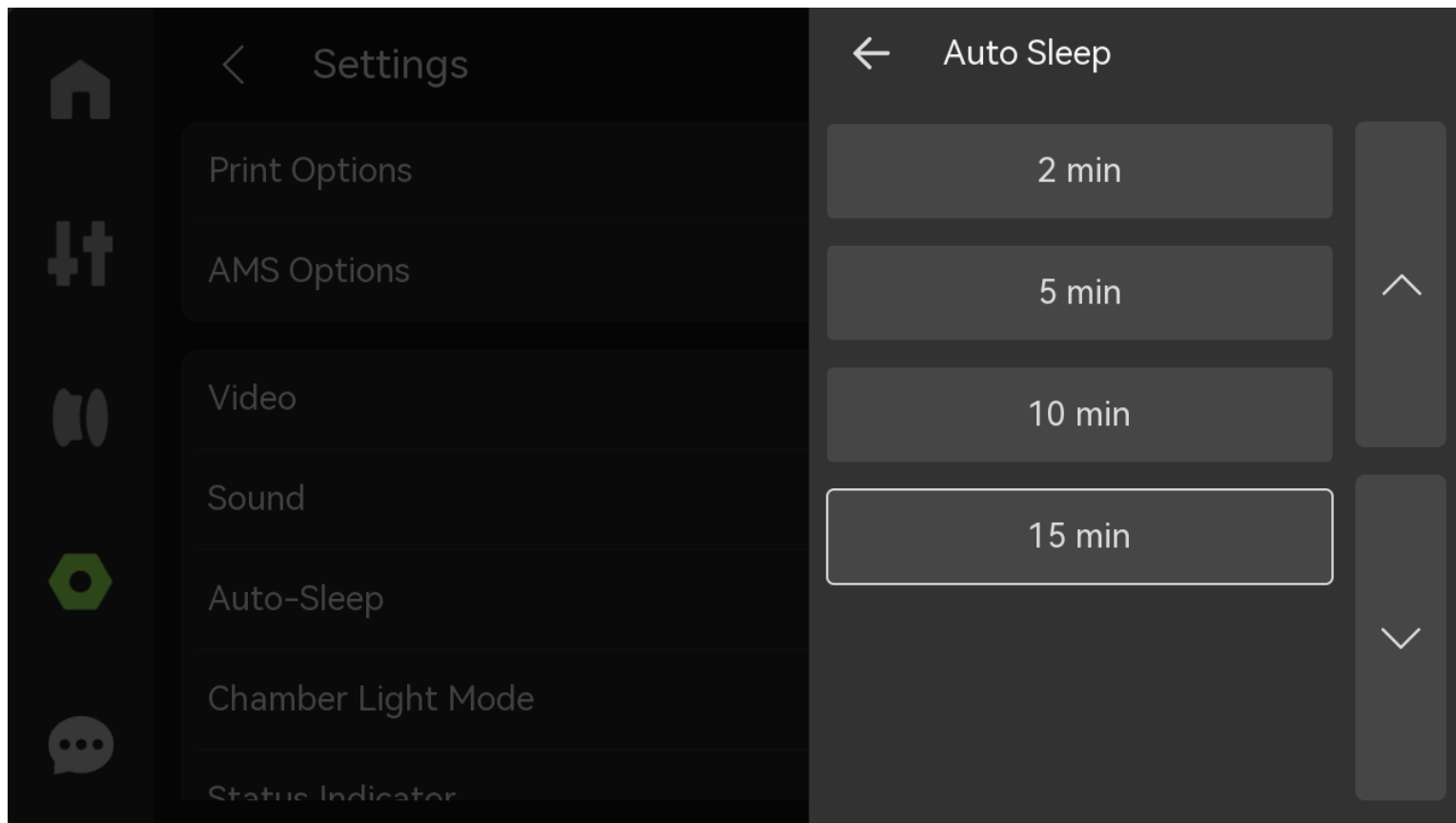
6. **Chamber Light Mode:** You can choose manual mode or energy-saving mode according to actual needs.
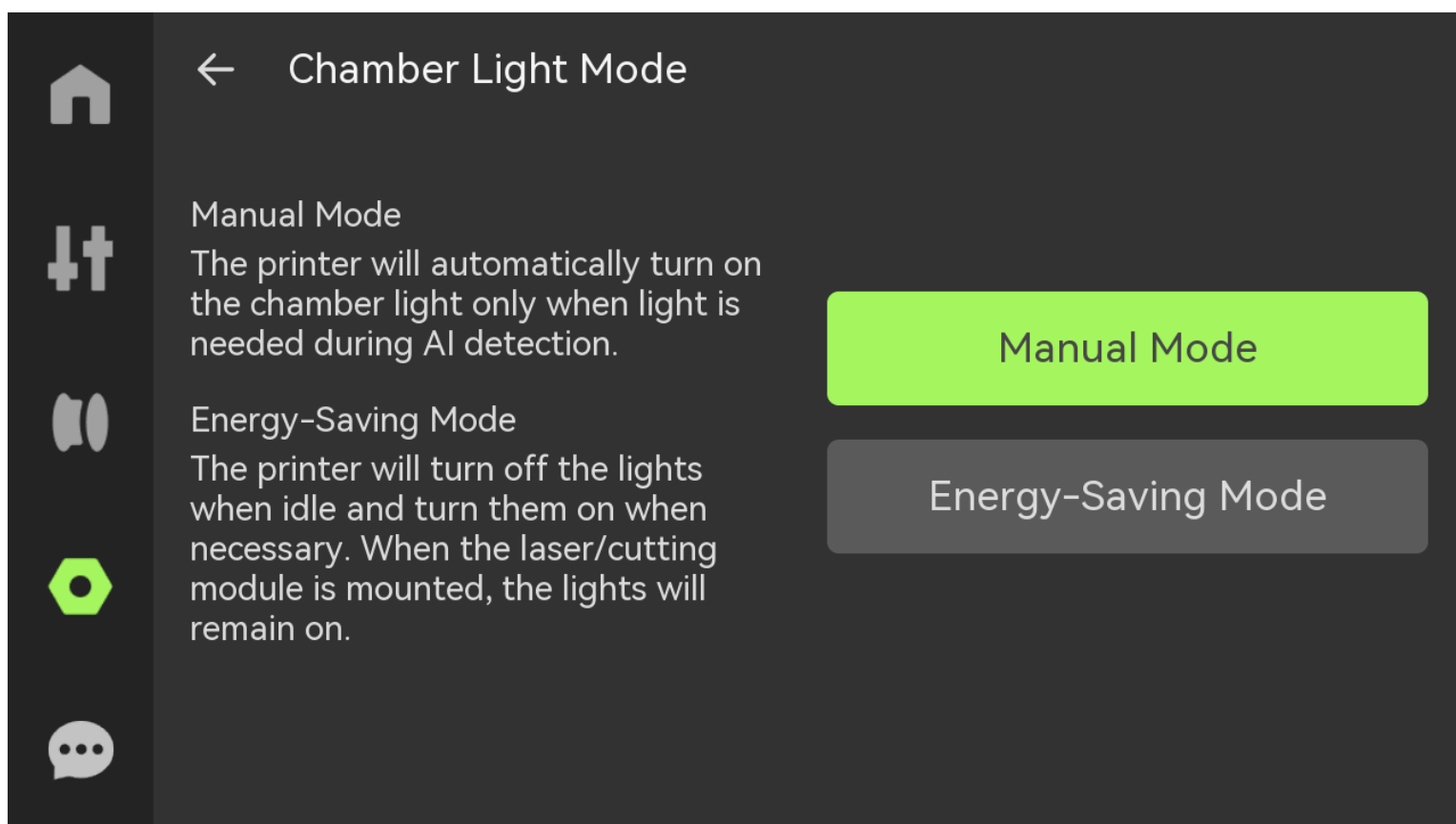
7. **Status Indicator:** Used to indicate the printer's health status and print task status.

8. **Language:** Select the language in which the printer screen is displayed.

9. **Device and Serial Number:** View the device name, device usage time, and serial number. Choose whether to join the user experience improvement program. Once enabled, the machine data (such as printing time, error information, etc.) can be uploaded to the official backend for subsequent statistics and improvements.

10. **LAN Only:** When turned on, the printer can only be connected and accessed within the local network and cannot be accessed or controlled remotely over the Internet. If multiple devices are connected via the same LAN, live view or data sharing is possible.
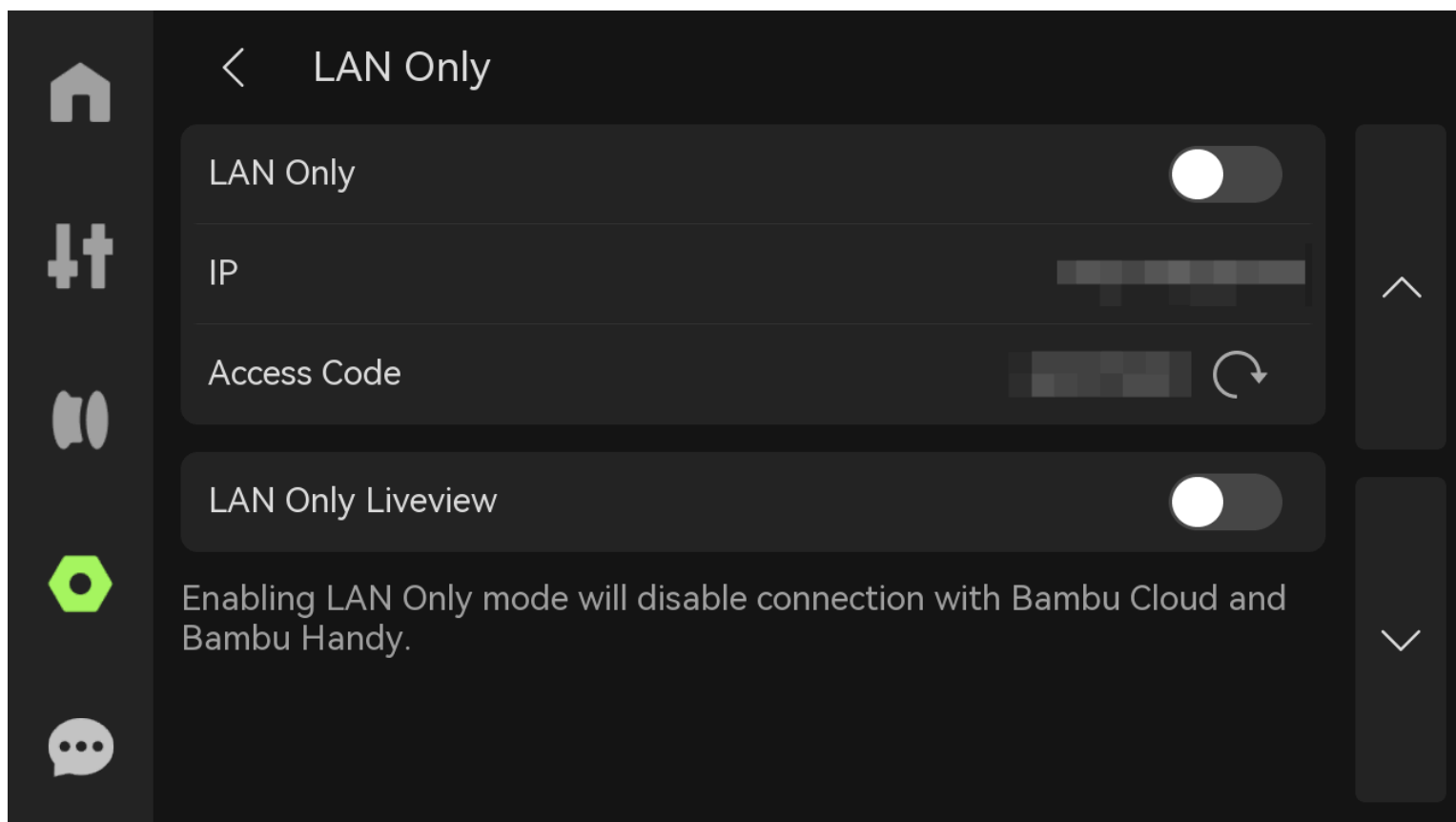
11. **Export Log to External Storage:** Choose whether to export all logs, key photos (to determine micro radar and spaghetti problems), and G-code (to determine print quality problems) according to your needs.
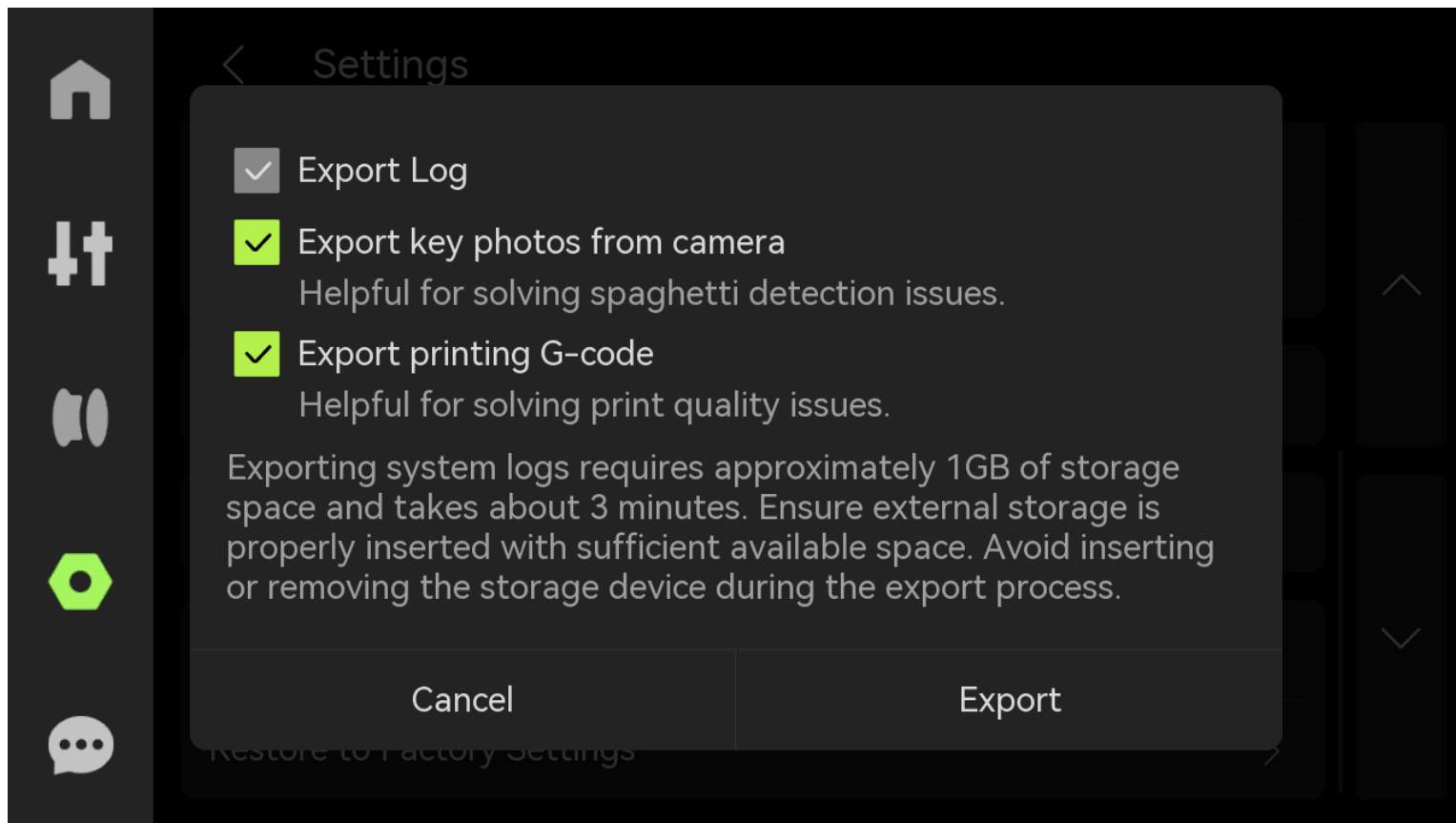
12. **Restore Factory Settings:** Reset the printer to the factory settings. Once reset, the settings cannot be restored.

HMS
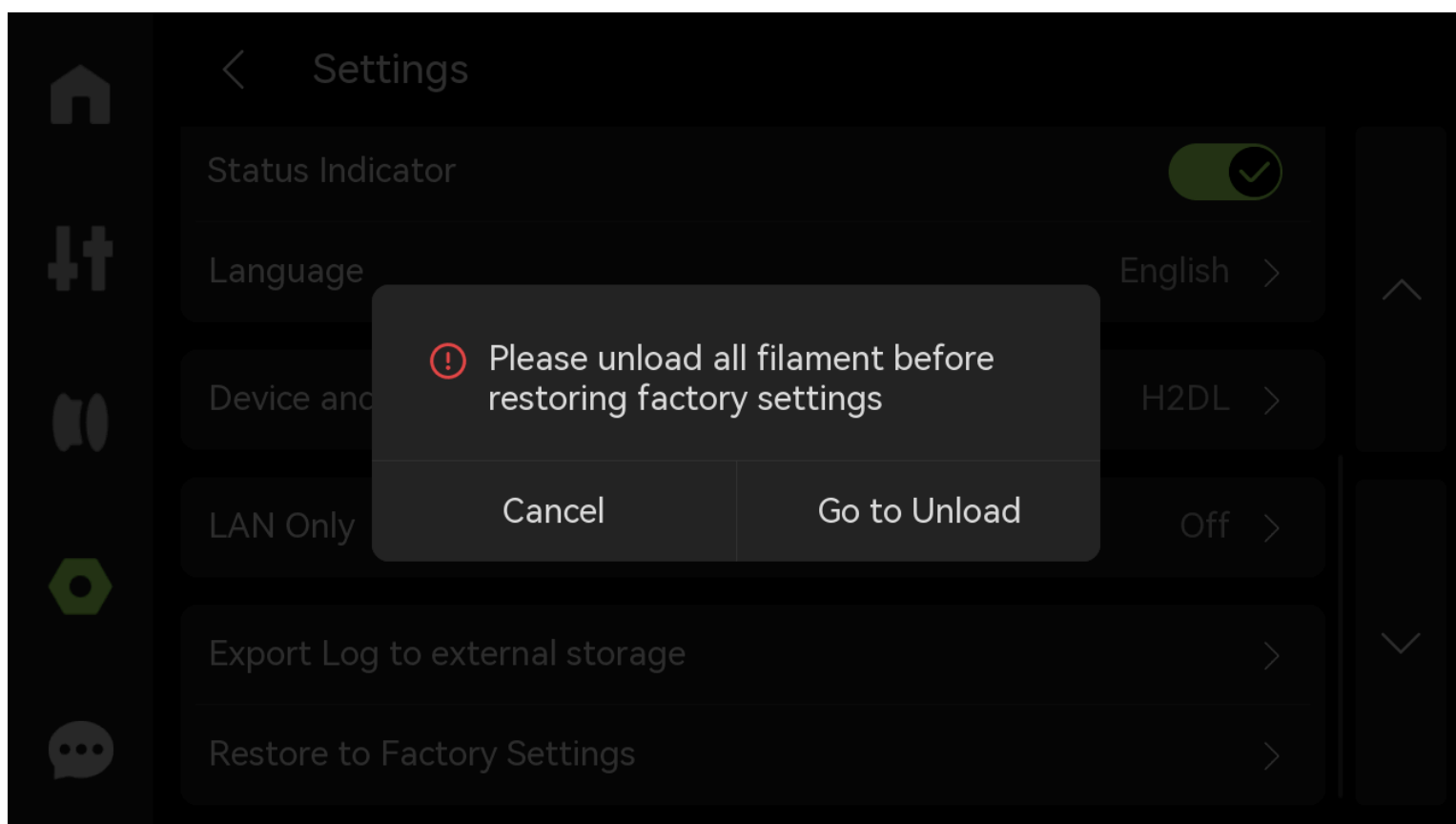
If there is a problem with the printer, an error message will be displayed here.
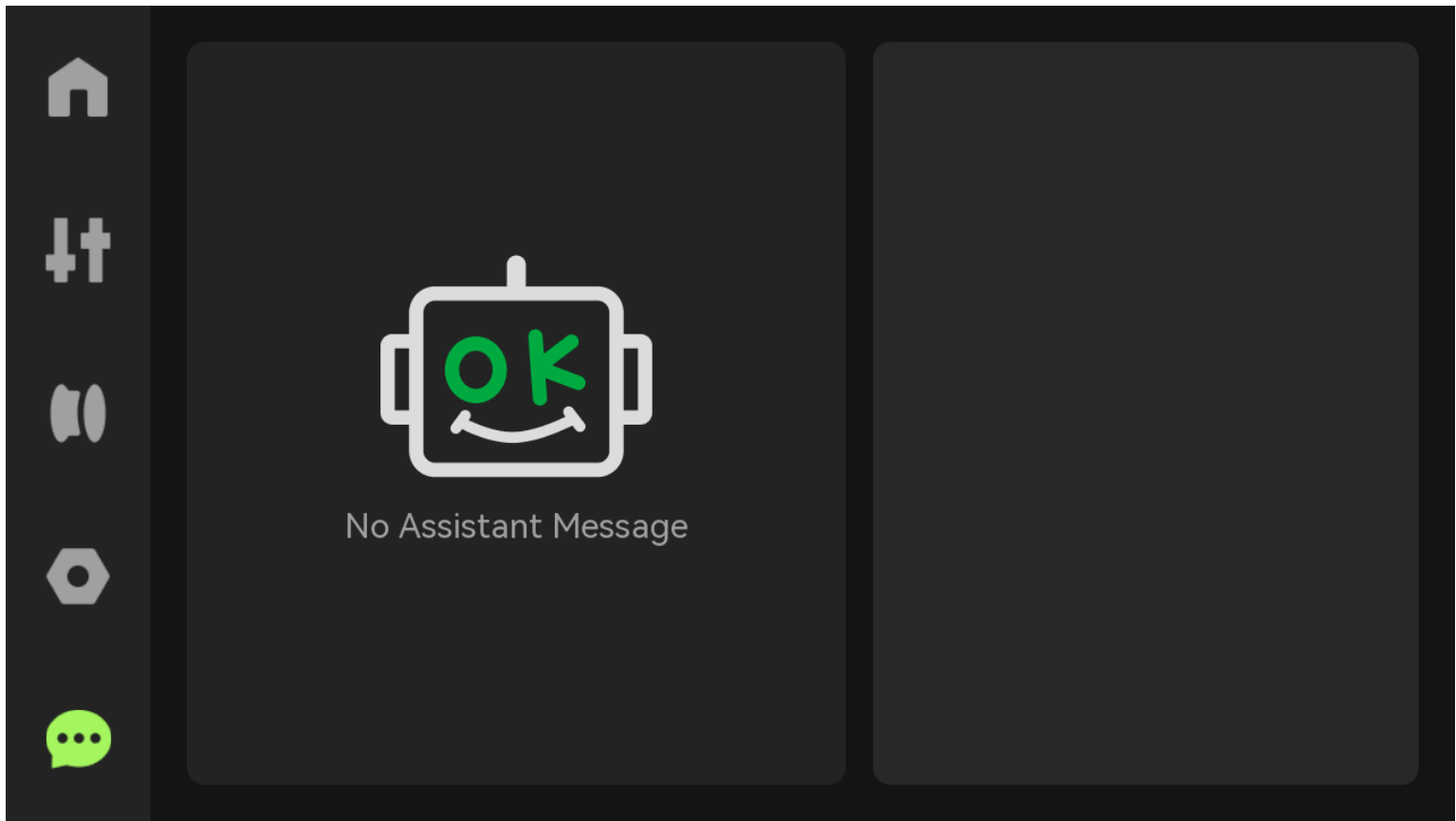
H2DL Laser Module

Note: Since the H2DL laser/cutting module does not involve the "filament" interface, this article will not explain it in detail.

Homepage

On the left side of the homepage is an on-screen menu bar that includes **Homepage**, **Controls**, **Filaments**, **Settings**, and **HMS**; on the right side is the **Print Files**, **Laser Module**, **Network Settings** and **HMS**.

Controls

1. Exhaust Fan

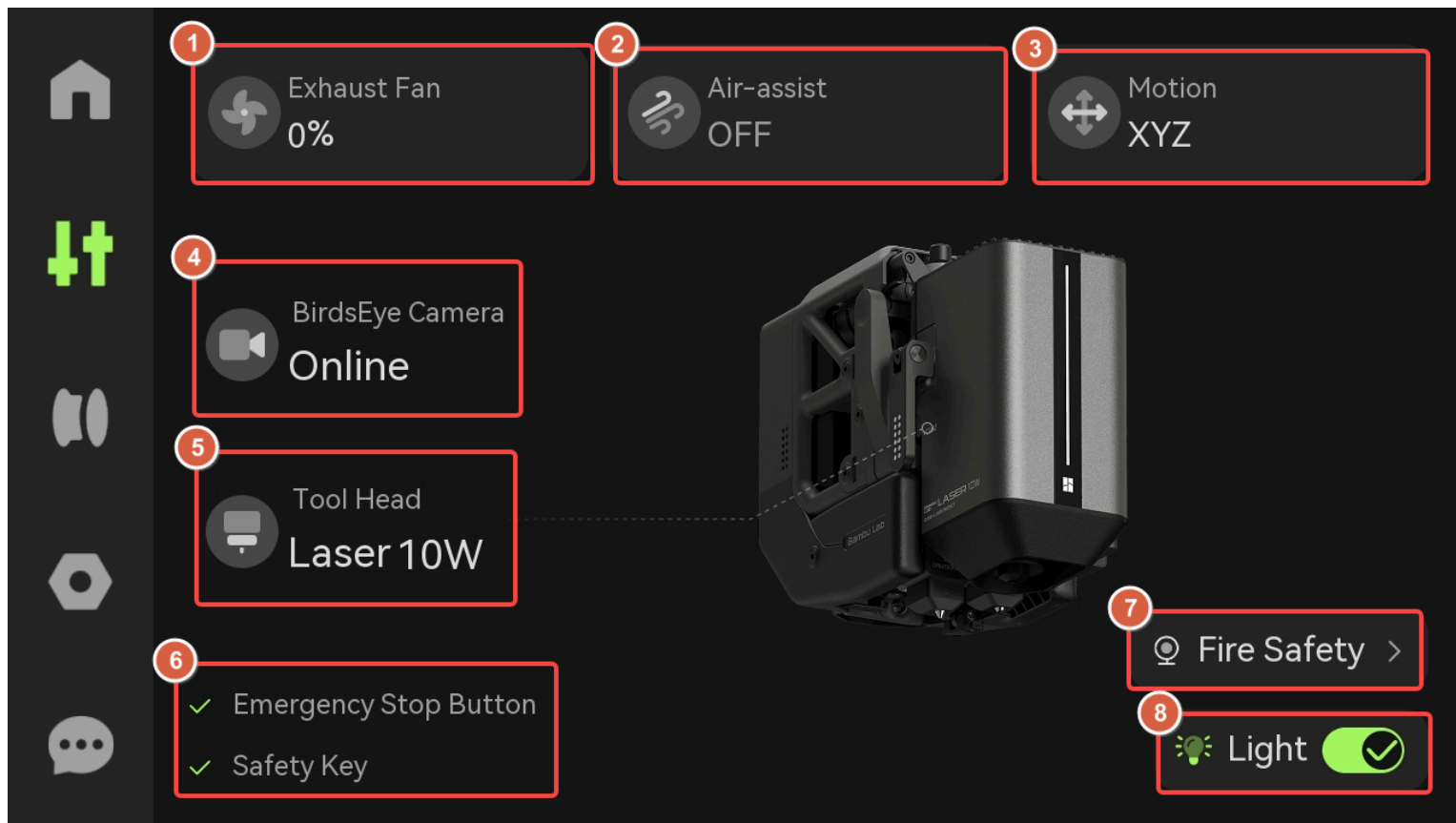Installed on the right lining of the printer, when the chamber cools down, the printer air condition system will switch to cooling mode, and the speed of the chamber exhaust fan will increase as the chamber temperature rises. If the current printer chamber temperature is not high and the heat dissipation demand of the printing filaments in the chamber is low, the speed of the chamber exhaust fan will drop to 30%.

The chamber exhaust fan needs to be turned on continuously to help discharge smoke and dust.
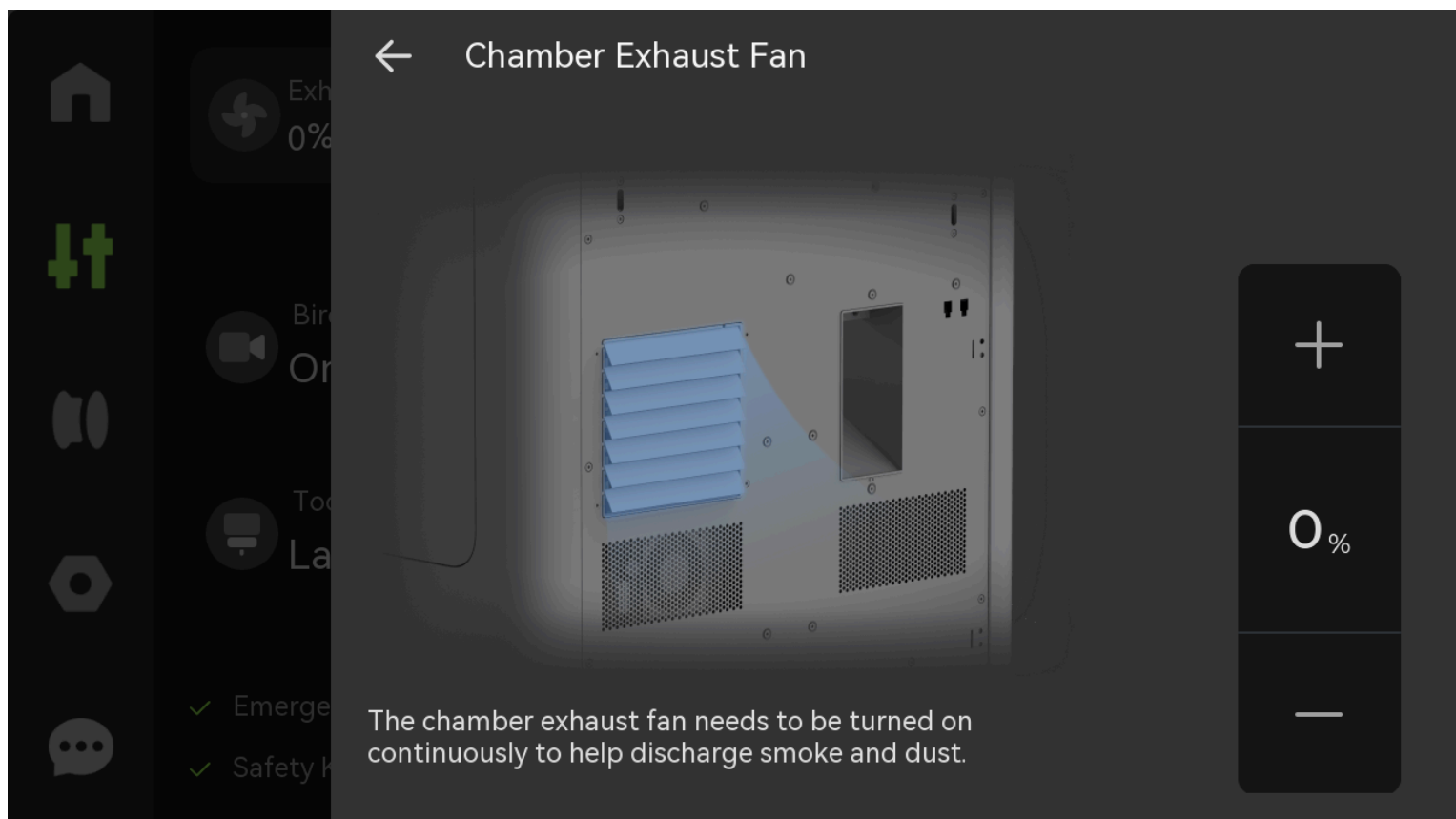
2. Air-assist

When the air-assist module is working, the printer will detect its status in real time and will report an error to the user when the status is abnormal. Turning on the air-assist not only helps improve the engraving quality, but also avoids the risk of fire caused

by heat accumulation when processing some materials.

3. Motion

- **Toolhead:** Click +1 or +10 to control the toolhead movement in the X-axis and Y-axis.

- **Heatbed:** Click the 1 or 10 move button to raise or lower the heatbed.
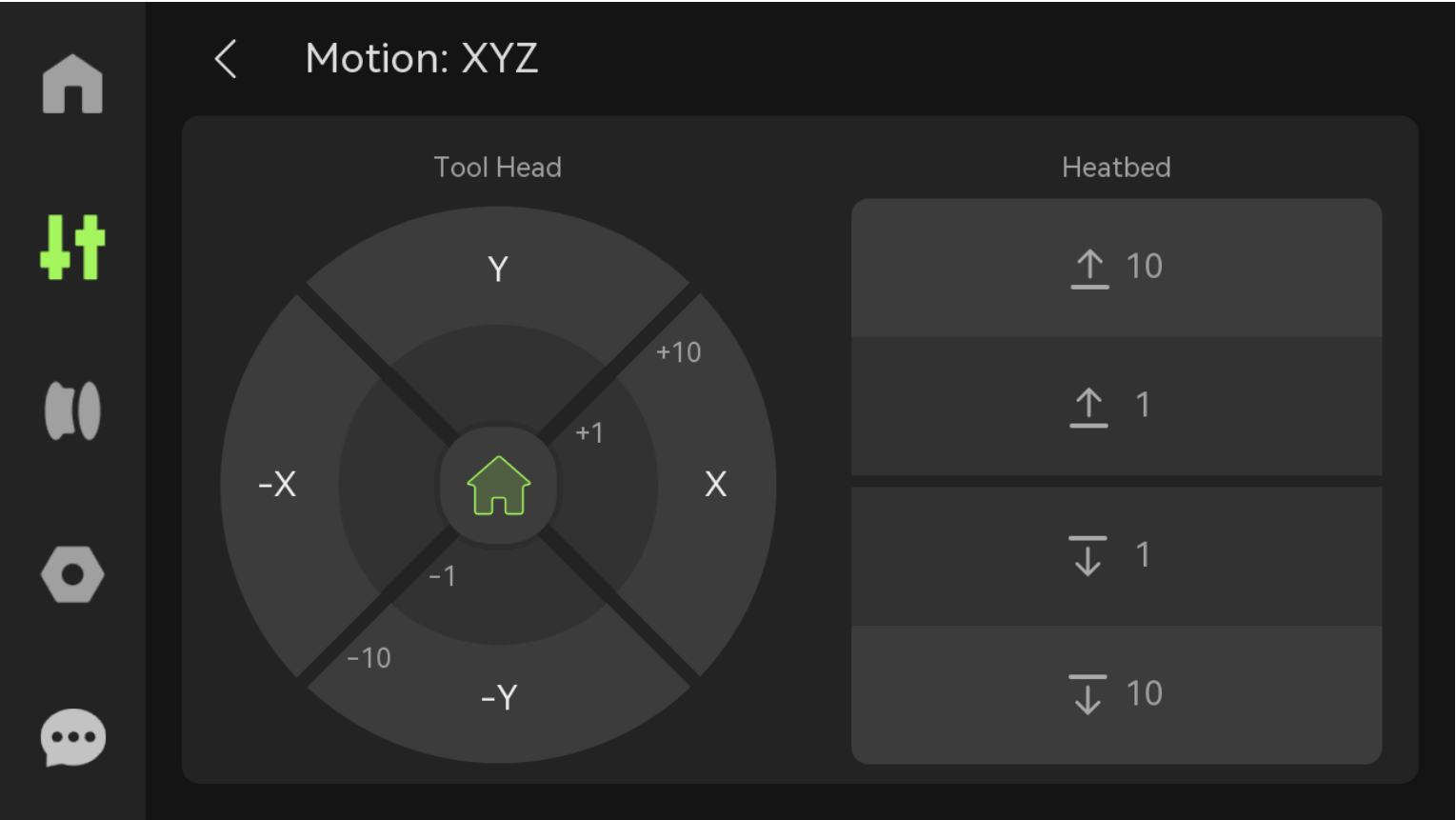
4. BirdsEye Camera

- If the birdseye camera is not installed or not installed properly, it will display "Not installed".

- If it is installed but not setup, it will display "Not set up yet".

Not installed
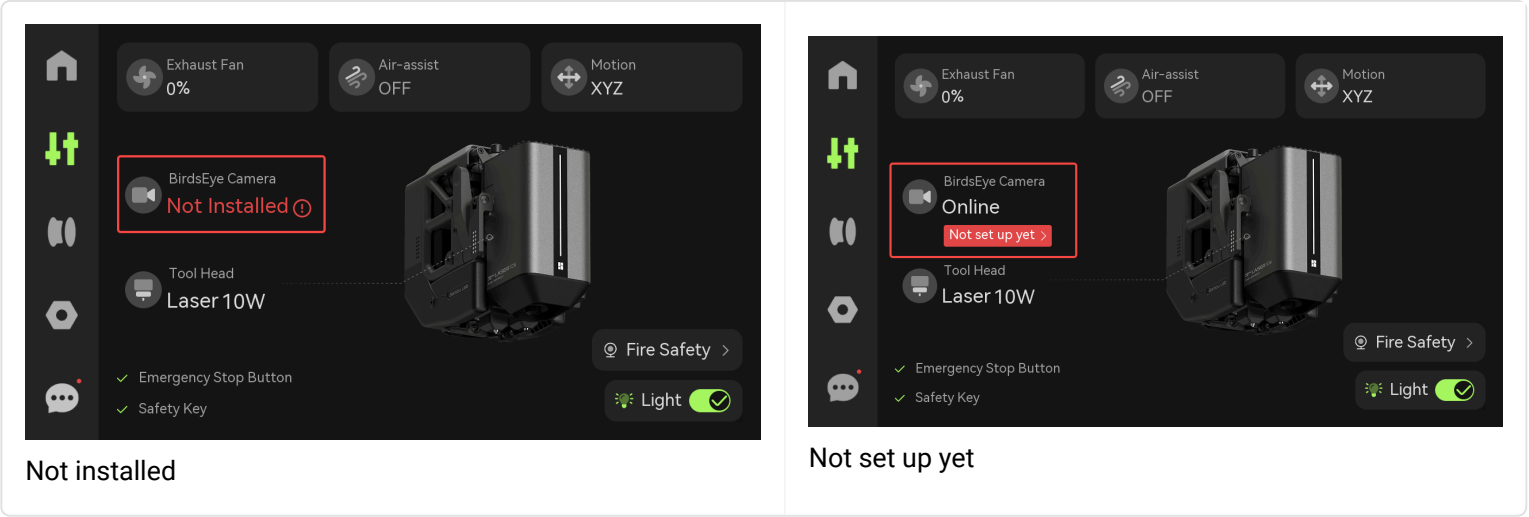
Not set up yet

5. Toolhead

Displays the power type and status of the laser module. If it is not initialized, it will display "Not set up yet".

6. Emergency Stop Button & Safety Key

Displays whether the emergency stop button and safety key are installed; if an accessory is not installed, "Not Installed" will be displayed.
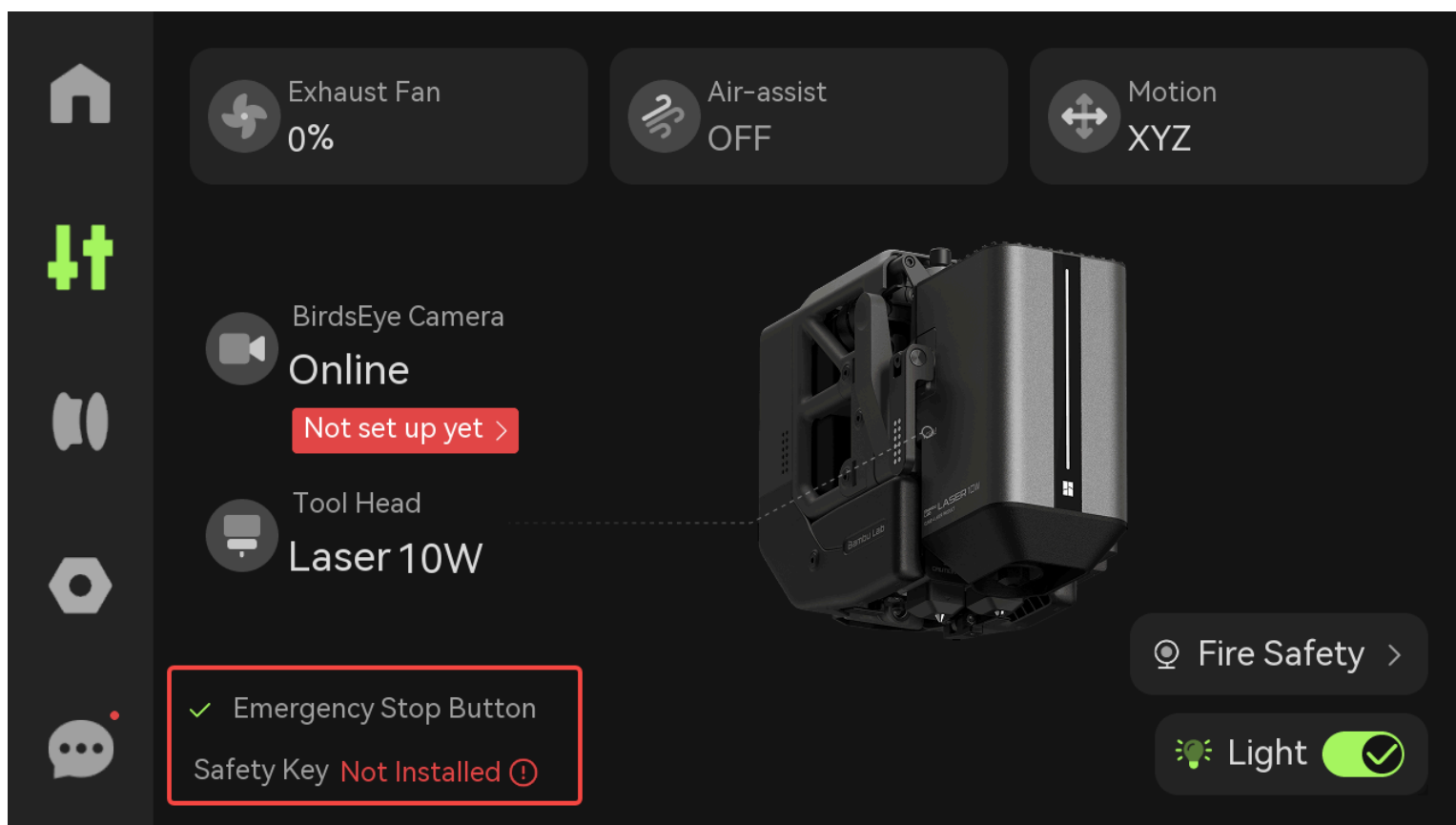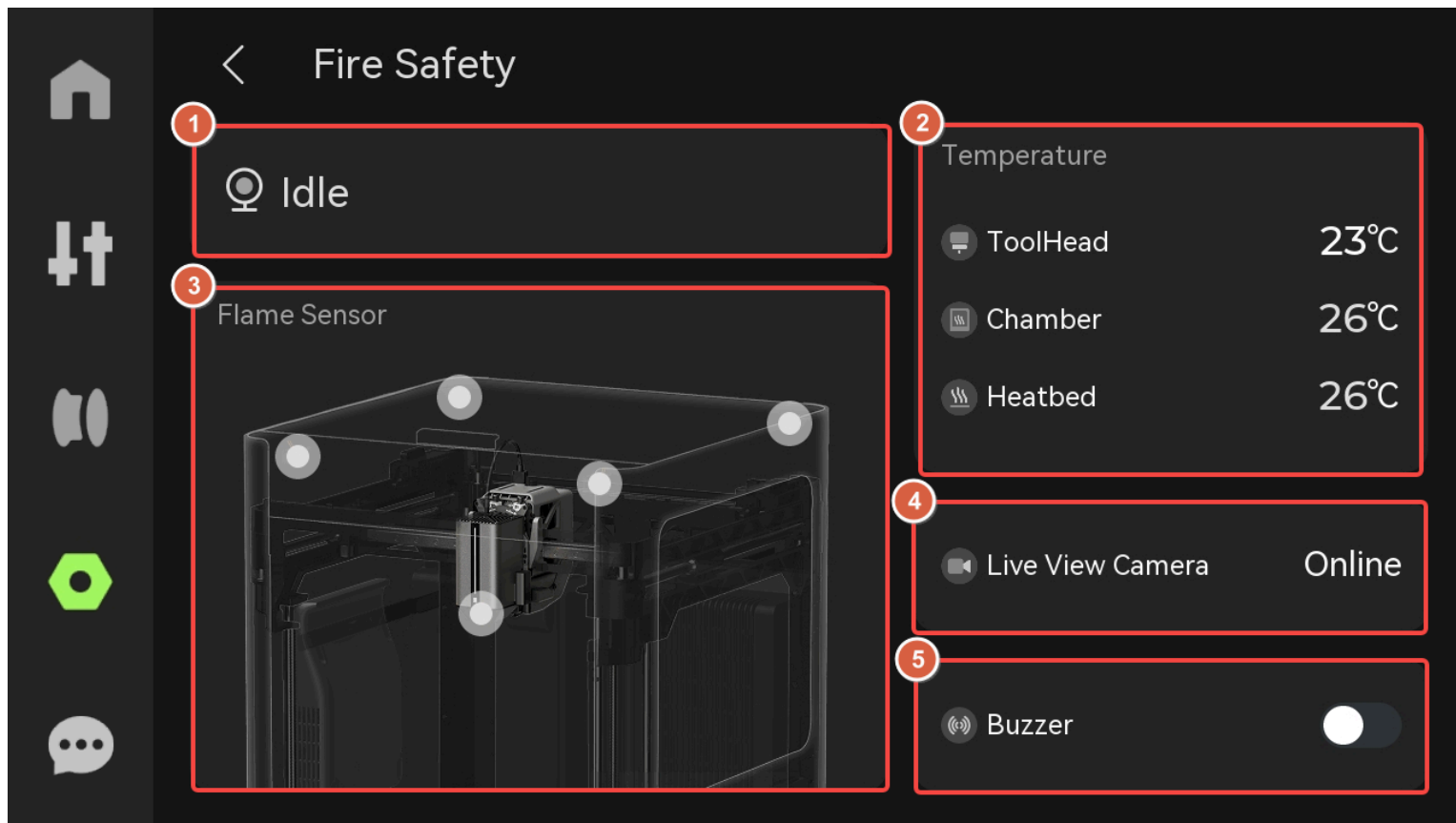

7. Fire Safety

1. **Flame Safety Status:** Automatically activates upon laser task initiation and maintains continuous monitoring until task completion.

2. **Temperature**: The toolhead temperature, chamber temperature and heatbed temperature inside the chamber can be monitored in real time.

3. **Flame Sensor:** Including infrared sensors at the four corners of the chamber, as well as the temperature sensor and flame sensor that comes with the laser module. If the sensor detects a flame, the sensor icon on the screen will flash red.
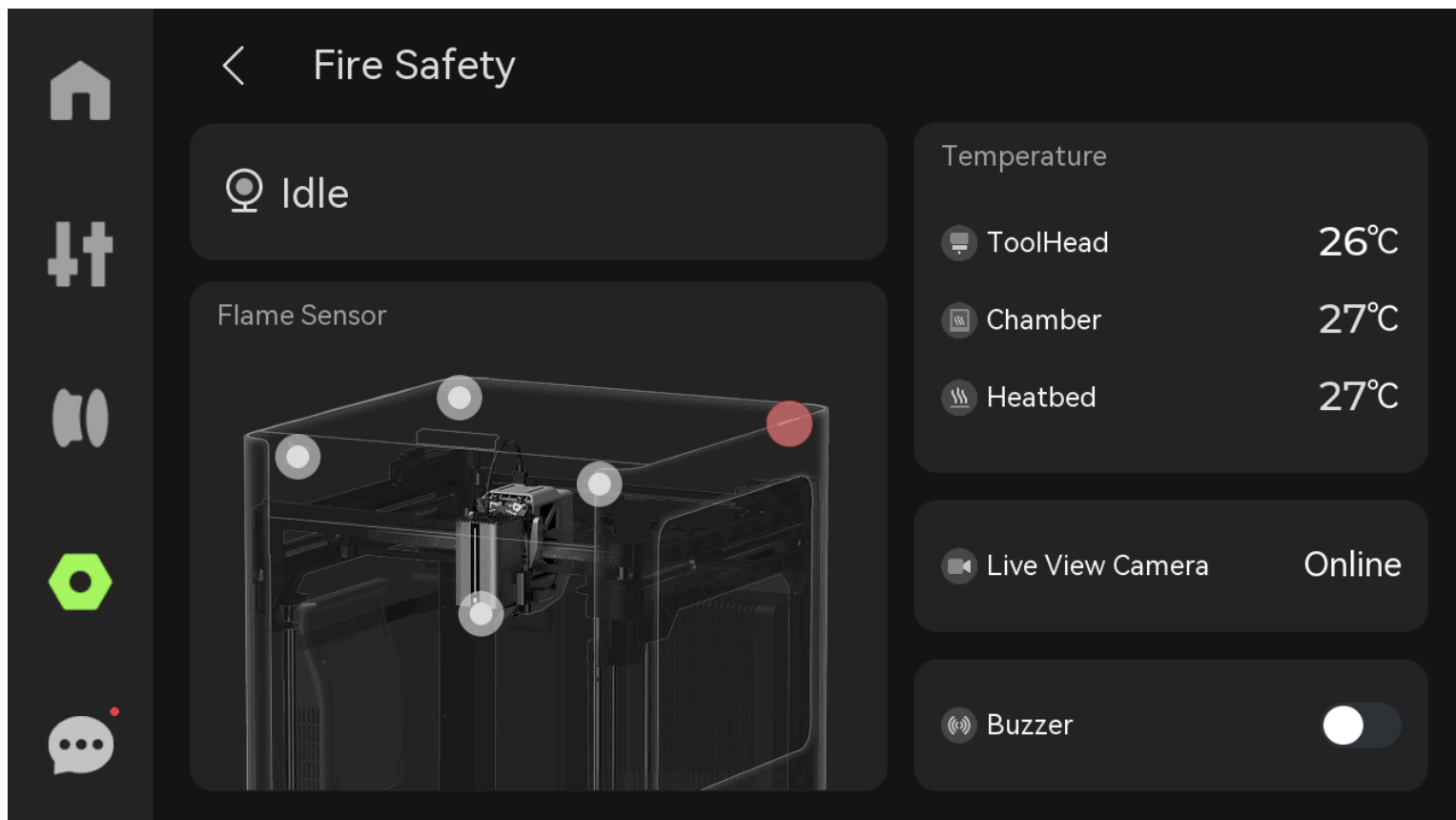
4. **Live View Camera:** The side-mounted live view camera captures real-time processing within the chassis, using AI algorithms to analyze image features for fire detection.

5. **Buzzer:** Triggers a fire alarm upon detecting flame signatures, including audible alerts (via buzzer) and visual warnings (pop-up notifications), prompting immediate user intervention. Users can manually turn the buzzer on and off here to test whether it is normal.

For details about the flame detection feature, please refer to: Introduction to H2D Flame Detection Feature.

8. Light

Click this button to control the LED light.

Settings

1. Account

Open Bambu Handy and scan the code to access the account.

2. Wi-Fi

Set up the WLAN, view the current network, test network, or view and add other networks.

3. USB Storage

‣ **Storage:** Display the used capacity and maximum capacity of the USB flash drive.

‣ **Eject:** Click "Eject" to eject the USB drive safely.

‣ **Format external storage:** Once reset, the storage cannot be restored.

For USB flash drive specifications and usage recommendations, please refer to: Specifications and Usage Recommendations of H2D USB Flash Drives.

4. Firmware

View the current version of the device and historical versions, or perform offline upgrades. If the firmware needs to be updated, the "Update" button in the upper right corner will light up.

5. Mounting Calibration

After every power-up of the printer, motor restart, or occurrence of motor step loss, if you want to use the laser module, you need to recalibrate it. The purpose is to adjust the laser focus position and to set the printer into absolute positioning mode. When calibration is necessary, the "Assistant" page will automatically display a prompt. Before calibration, please ensure that the laser platform is placed on the heatbed.

Laser Module Mounting Calibration

1/3   Install the Laser Module

- ✓ Slide in the Laser Module
- ✓ Plug in the Laser Connector
- ⓘ Fasten the Quick-release Lever
- ⓘ Install Air Assist Tube and connect it to the Laser Module

ⓘ This item requires you to check manually

Next

6. Toolbox

Toolbox

Setup

Laser Module Setup	10W >
Laser Module Mounting Calibration	10W >
BirdsEye Camera Setup	>

Maintenance

| Laser Module Cleaning | > |
| Fire Safety | > |

‣ **Laser Module Setup:** When installing the laser module for the first time, setup is required. This process does not need to be repeated afterward unless the laser module is replaced, in which case re-setup is necessary. During this step, ensure that the laser platform and materials (calibration card) are placed on the heatbed.

For more information on laser focus calibration, please refer to the relevant section in the Wiki: Laser Focus Calibration Introduction.

Laser Module Setup

1/4 Remove the screw

⚠ Remove the screw fixing the air pump

⚠ Install the exhaust system

⚠ This item requires you to check manually

Next

▸ **Laser Module Mounting Calibration:** Same as above "mounting calibration".

▸ **BirdsEye Camera Setup:** The BirdsEye camera is calibrated at the factory and can be used immediately. However, due to factors such as transportation or prolonged use, the calibration parameters of the BirdsEye camera may gradually become less effective. If you are dissatisfied with the precision of laser processing, you can trigger the BirdsEye camera setup. During the setup process, it is necessary to use the four markers on the heatbed. Therefore, in this step, no other items should be placed on the heatbed, and it is essential to ensure that the markers are visible to the BirdsEye camera to improve the accuracy of the imaging.

BirdsEye Camera Setup

1/4 Install the BirdsEye Camera

✅ Connect the BirdsEye Camera cable

⚠ Make sure the BirdsEye Camera locked well

⚠ This item requires you to check manually

Next

▸ **Laser Module Cleaning:** Regular cleaning of the laser module prevents the accumulation of powder and debris, ensuring the normal operation of the equipment and extending its service life. The printer will assess the degree of contamination of the

printer based on the total engineering time and laser task type in Bambu Suite. The length of the green progress bar on the left side of the screen will decrease as the laser module is cleaned; if the progress bar turns red and displays "Cleaning Required Immediately", cleaning is required. Specific tutorials can be obtained through the QR code on the right.

For more information on laser module cleaning, please refer to Regular maintenance recommendations for 10w laser module.
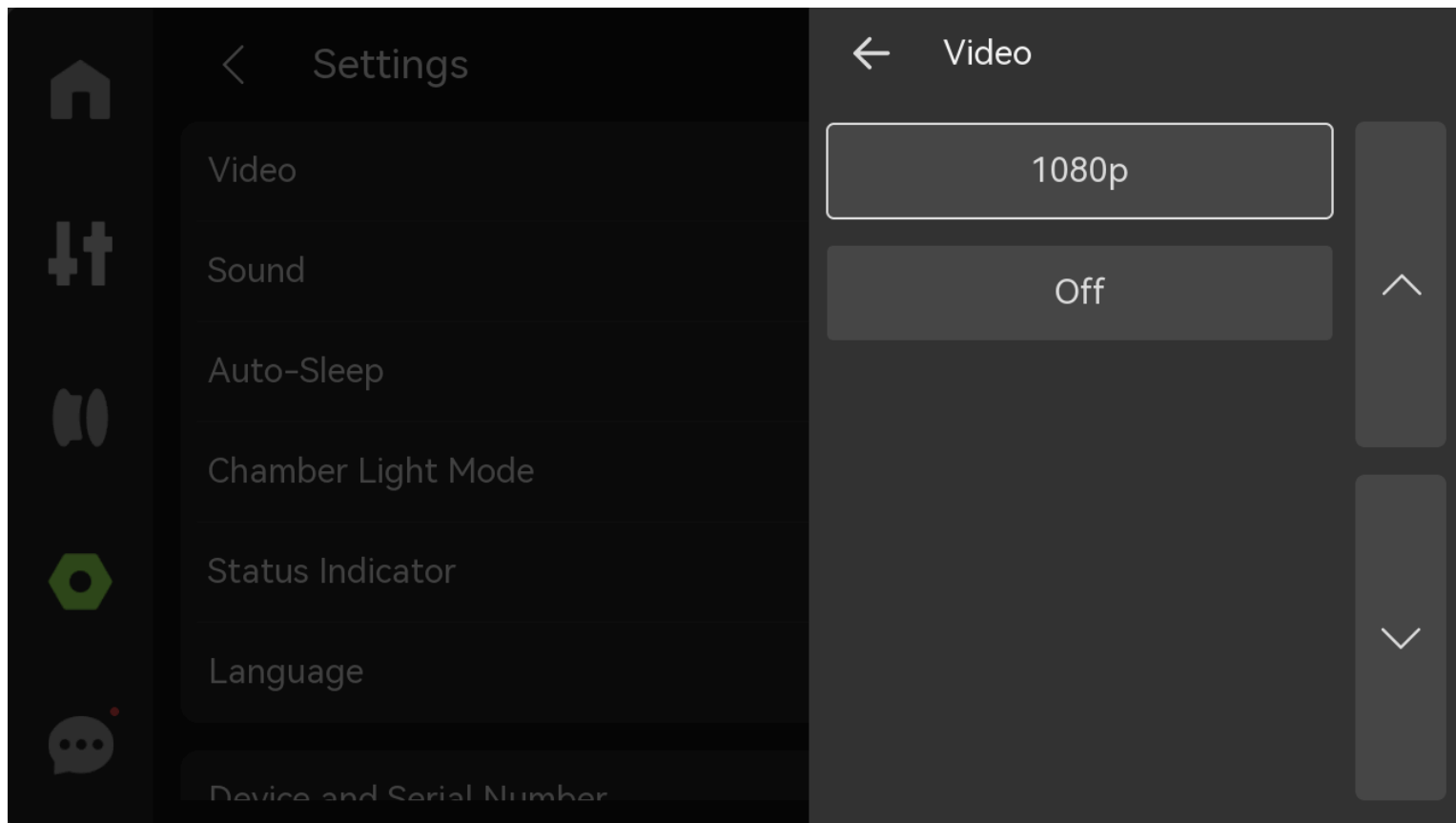

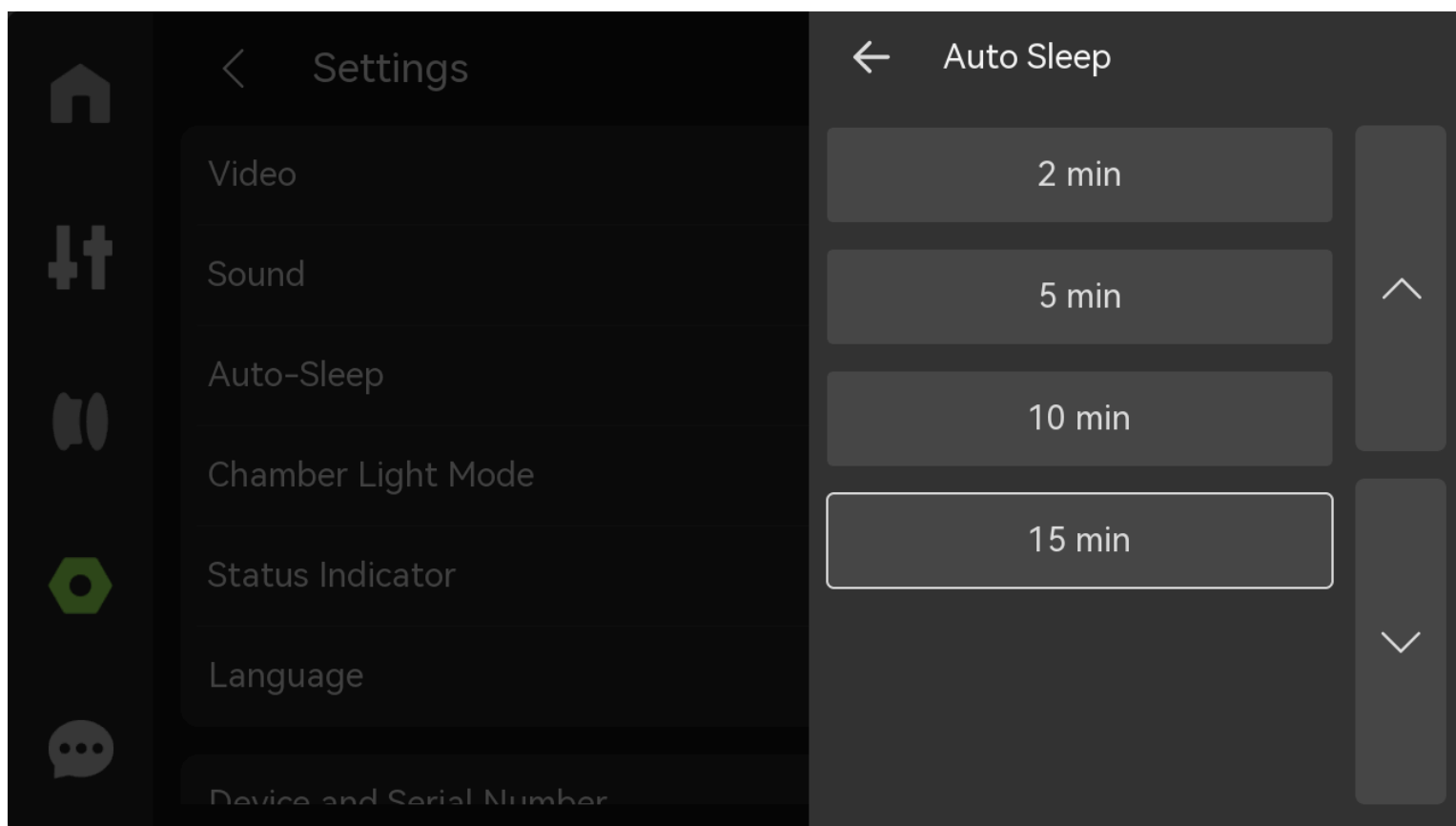7. **Fire Safety:** Same as above "Fire safety".

7. Settings
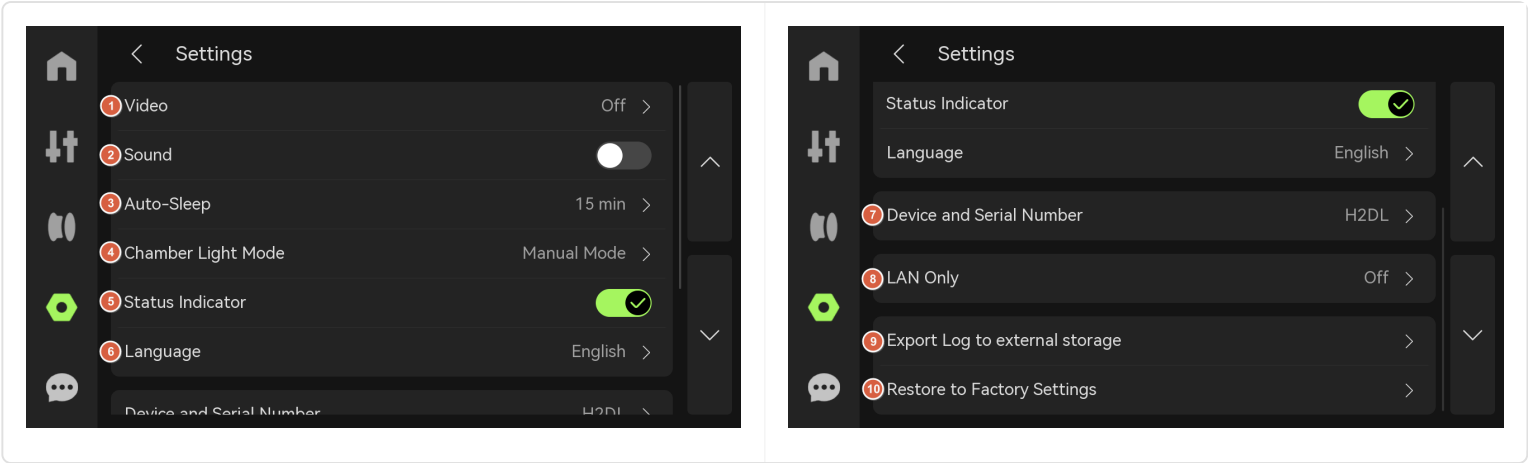
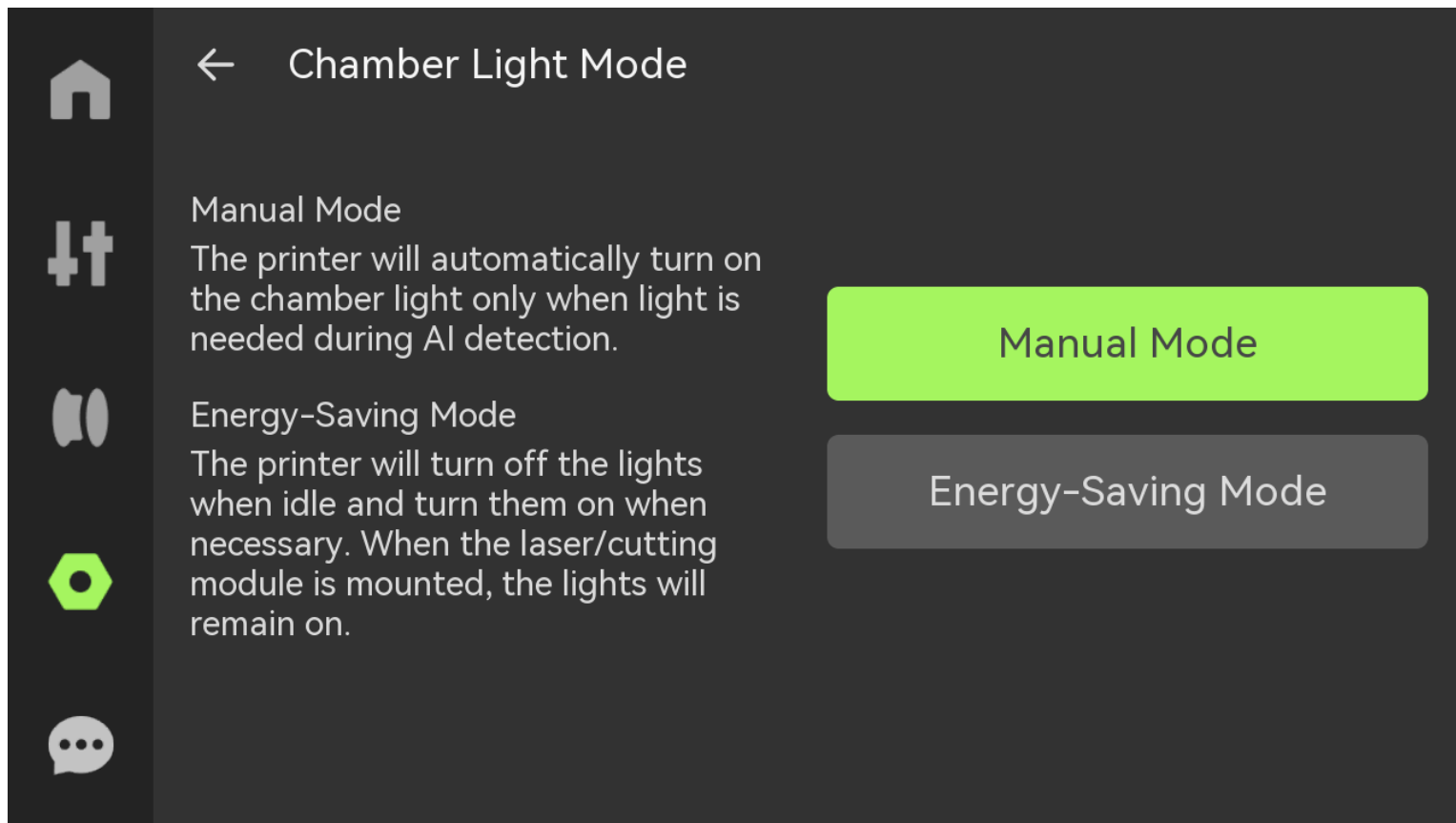1. **Video:** Choose to turn the video function on or off.

2. **Sound:** If you turn on the option, the printer will emit a sound when it is turned on, when printing starts, and when printing ends.

3. **Auto-Sleep:** Select the length of time the printer will automatically sleep.

4. **Chamber Light Mode:** You can choose manual mode or energy-saving mode according to actual needs.

Manual Mode
The printer will automatically turn on the chamber light only when light is needed during AI detection.

Energy-Saving Mode
The printer will turn off the lights when idle and turn them on when necessary. When the laser/cutting module is mounted, the lights will remain on.

Manual Mode

Energy-Saving Mode

5. **Status Indicator:** Used to indicate the printer's health status and print task status.
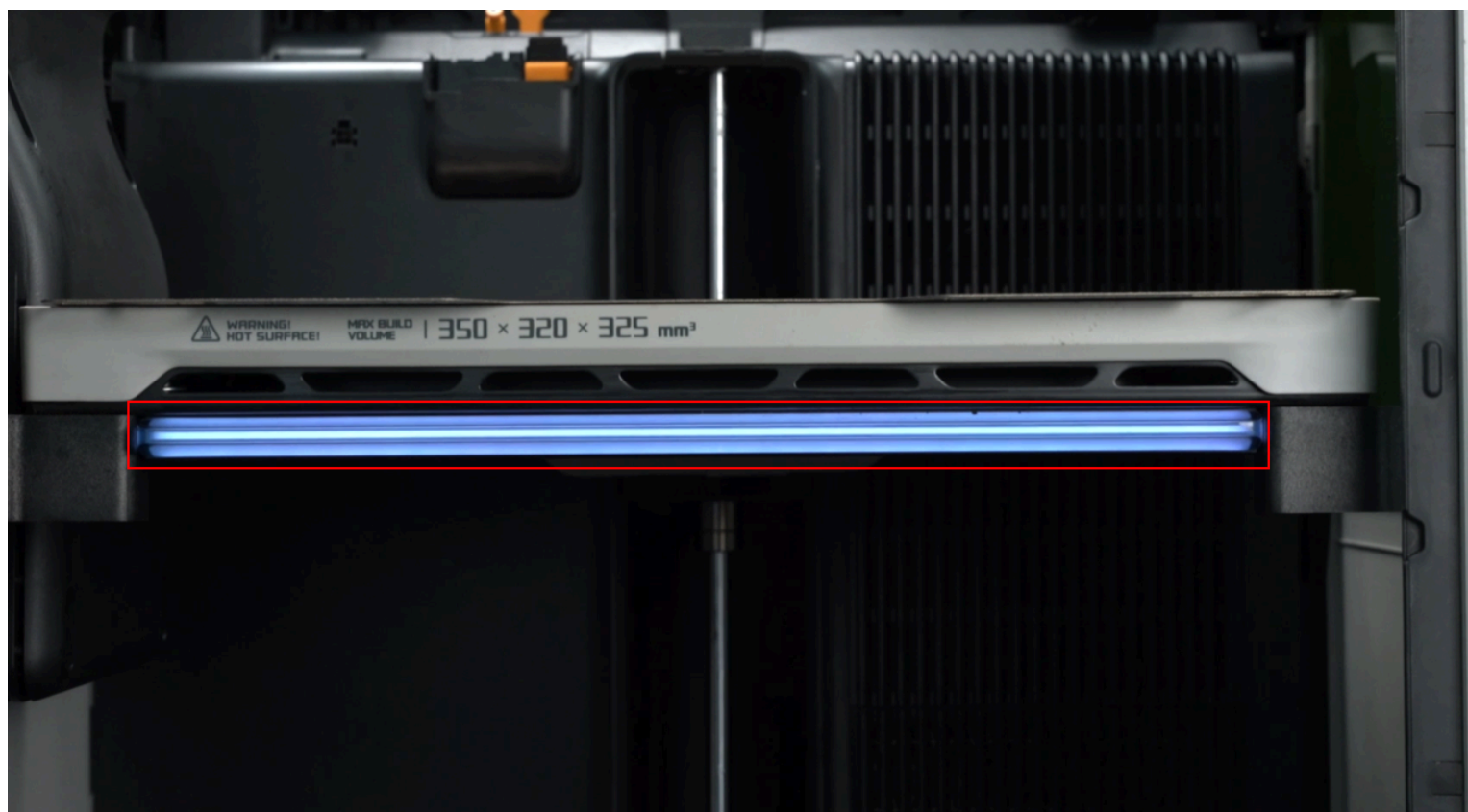

6. **Language:** Select the language in which the printer screen is displayed.
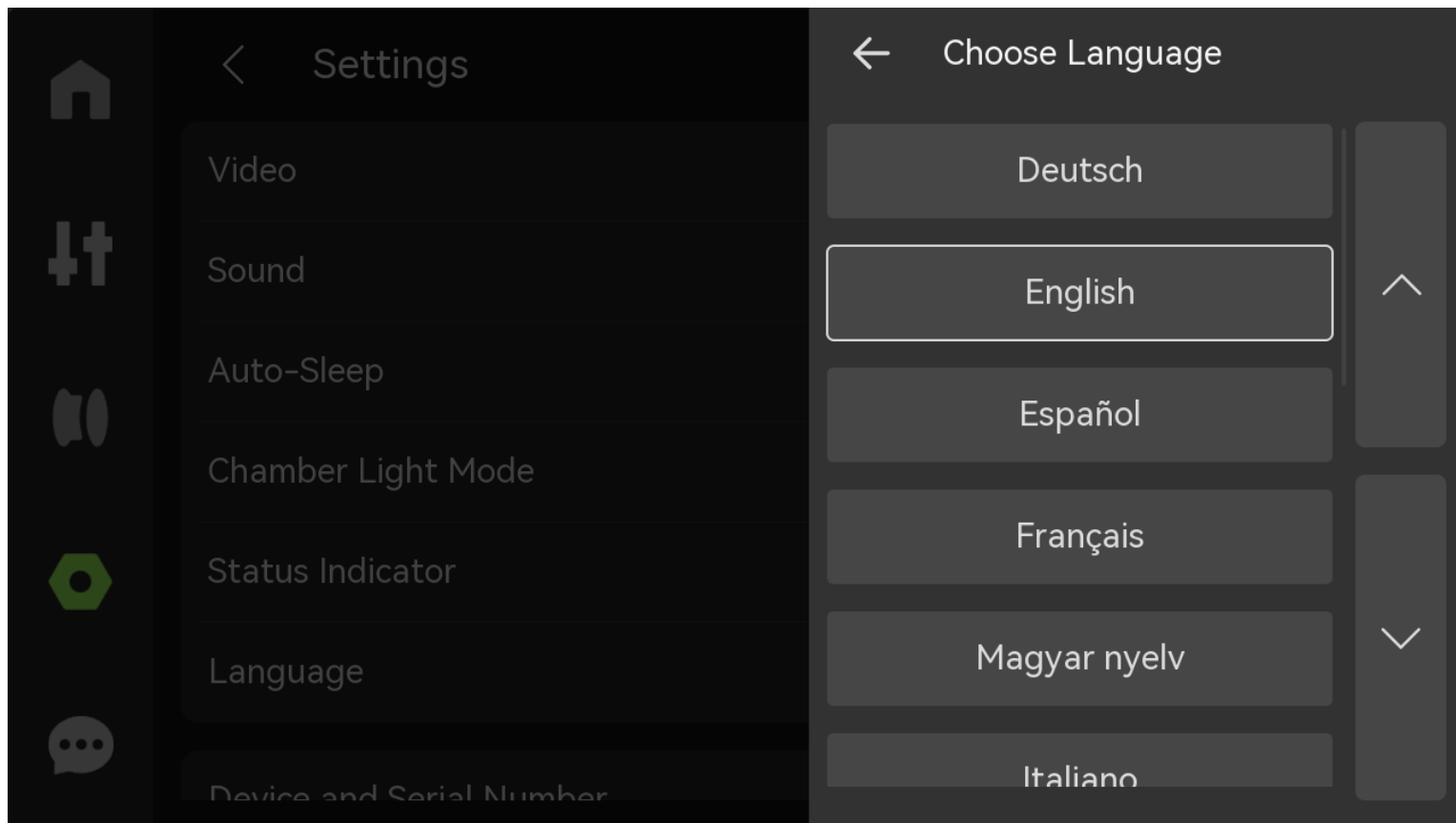
7. **Device and Serial Number:** View the device name, device usage time, and serial number. Choose whether to join the user experience improvement program. Once enabled, the machine data (such as printing time, error information, etc.) can be uploaded to the official backend for subsequent statistics and improvements.
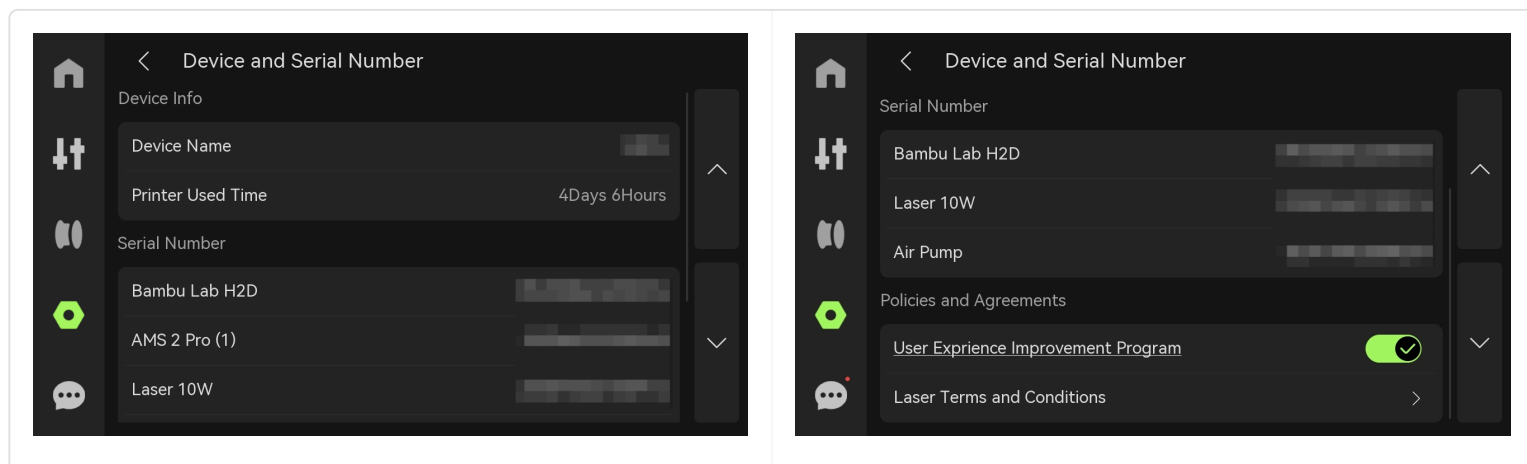

8. **LAN Only:** When turned on, the printer can only be connected and accessed within the local network and cannot be accessed or controlled remotely over the Internet. If multiple devices are connected via the same LAN, live view or data sharing is possible.
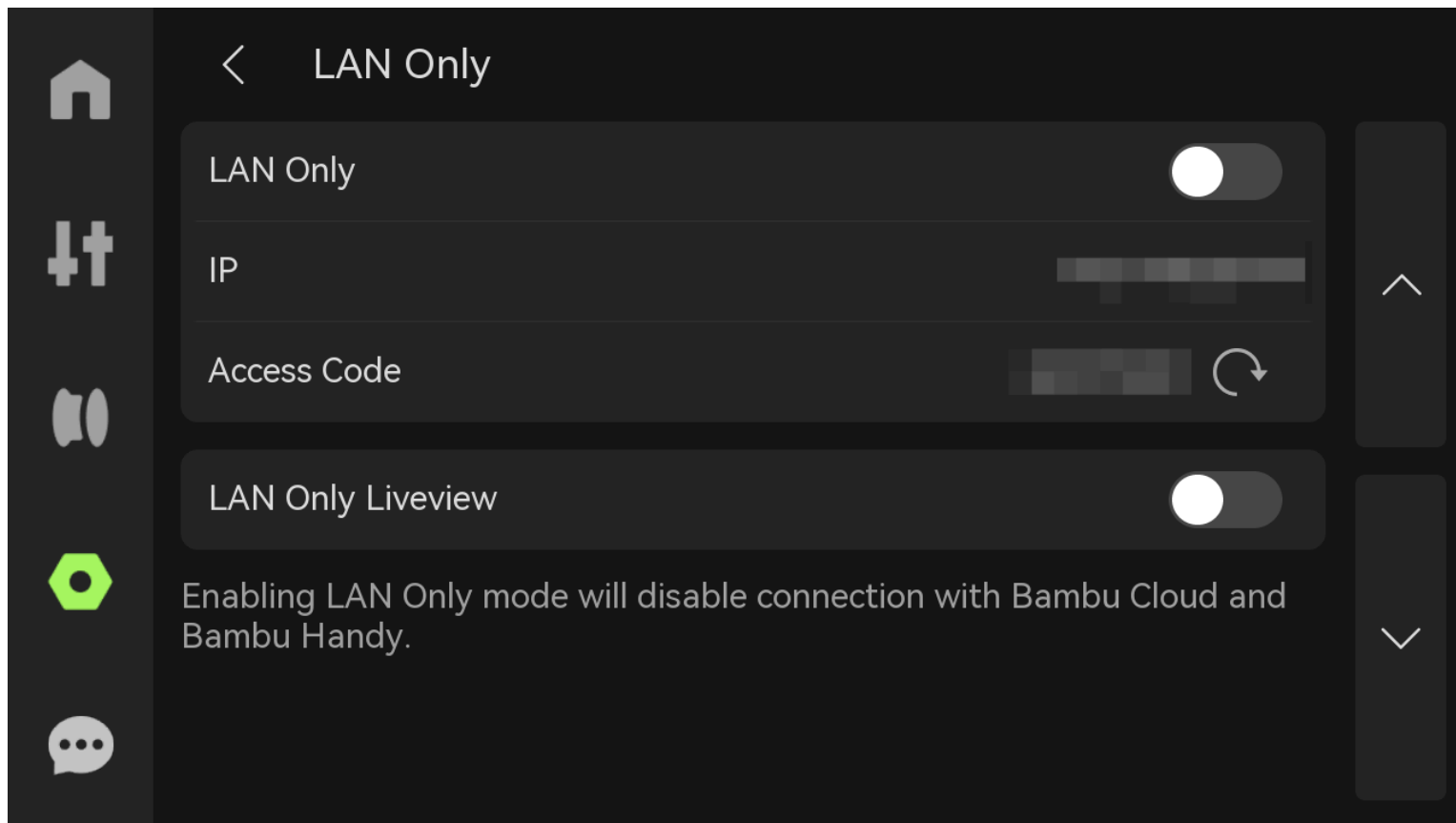
9. **Export Log to external storage:** Choose whether to export all logs, key photos (to determine micro radar and spaghetti problems), and G-code (to determine print quality problems) according to your needs.
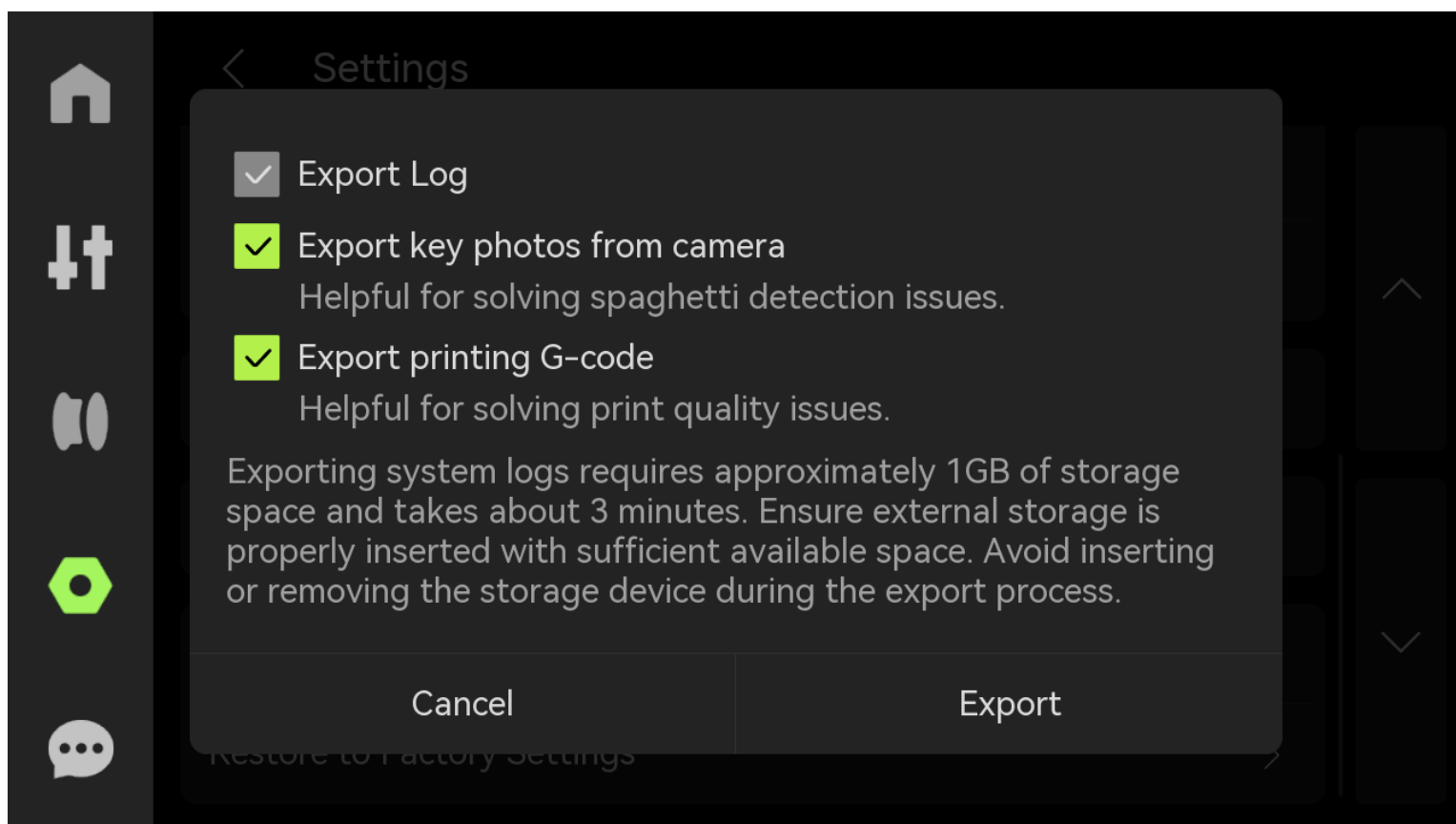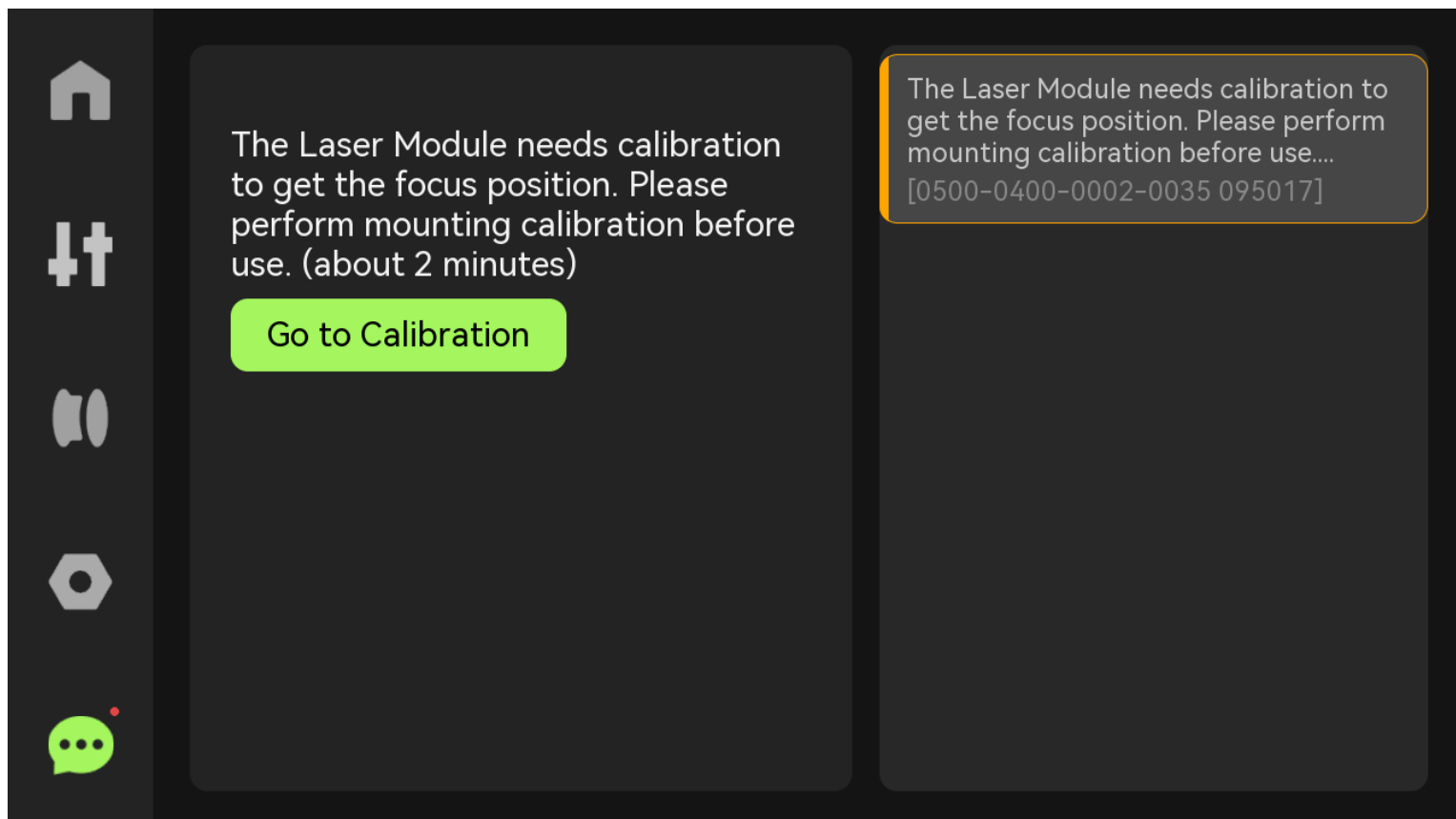

10. **Restore to Factory Settings:** Reset the printer to the factory settings. Once reset, the settings cannot be restored.

HMS
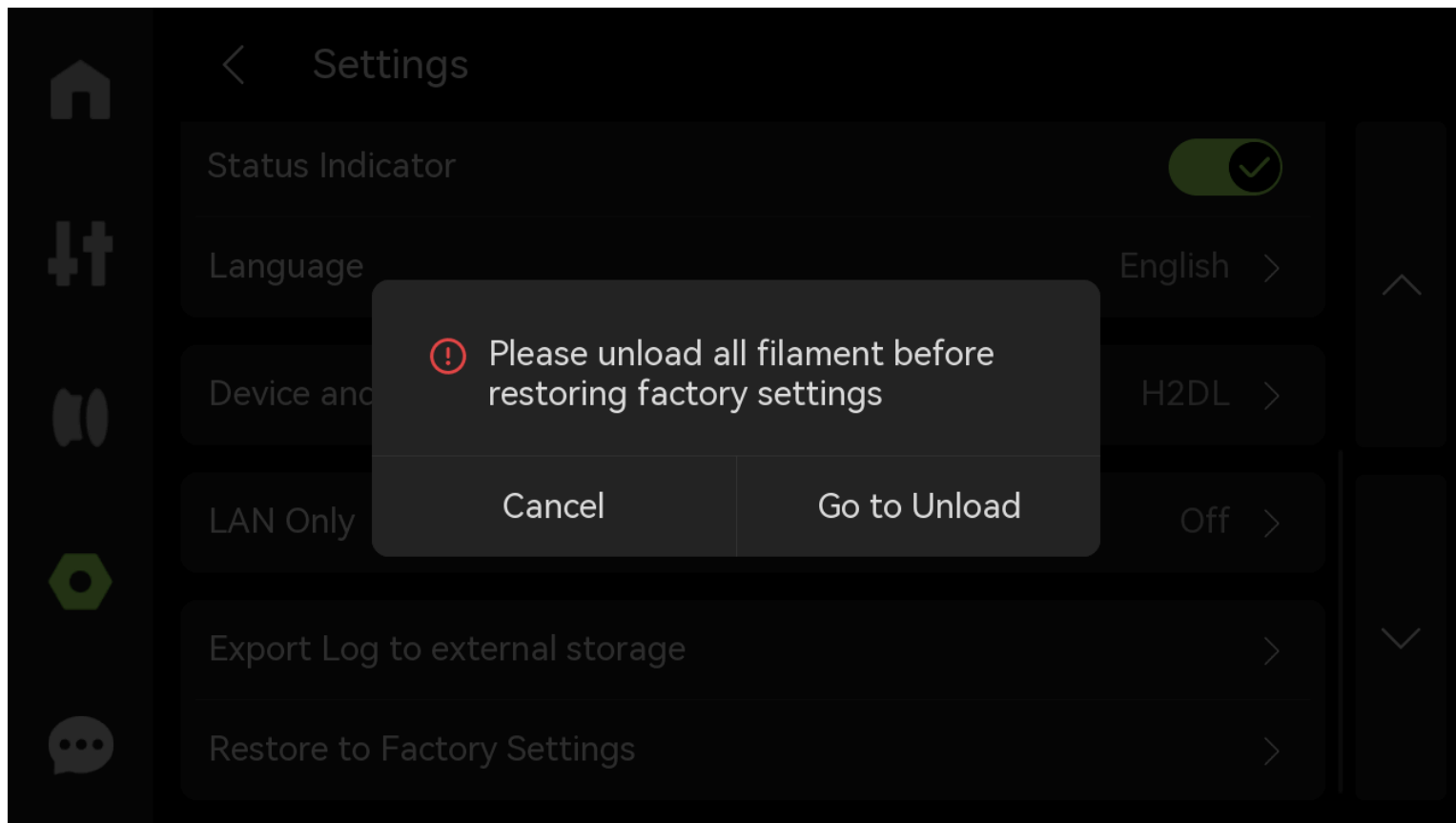
If there is a problem with the printer, an error message will be displayed here.
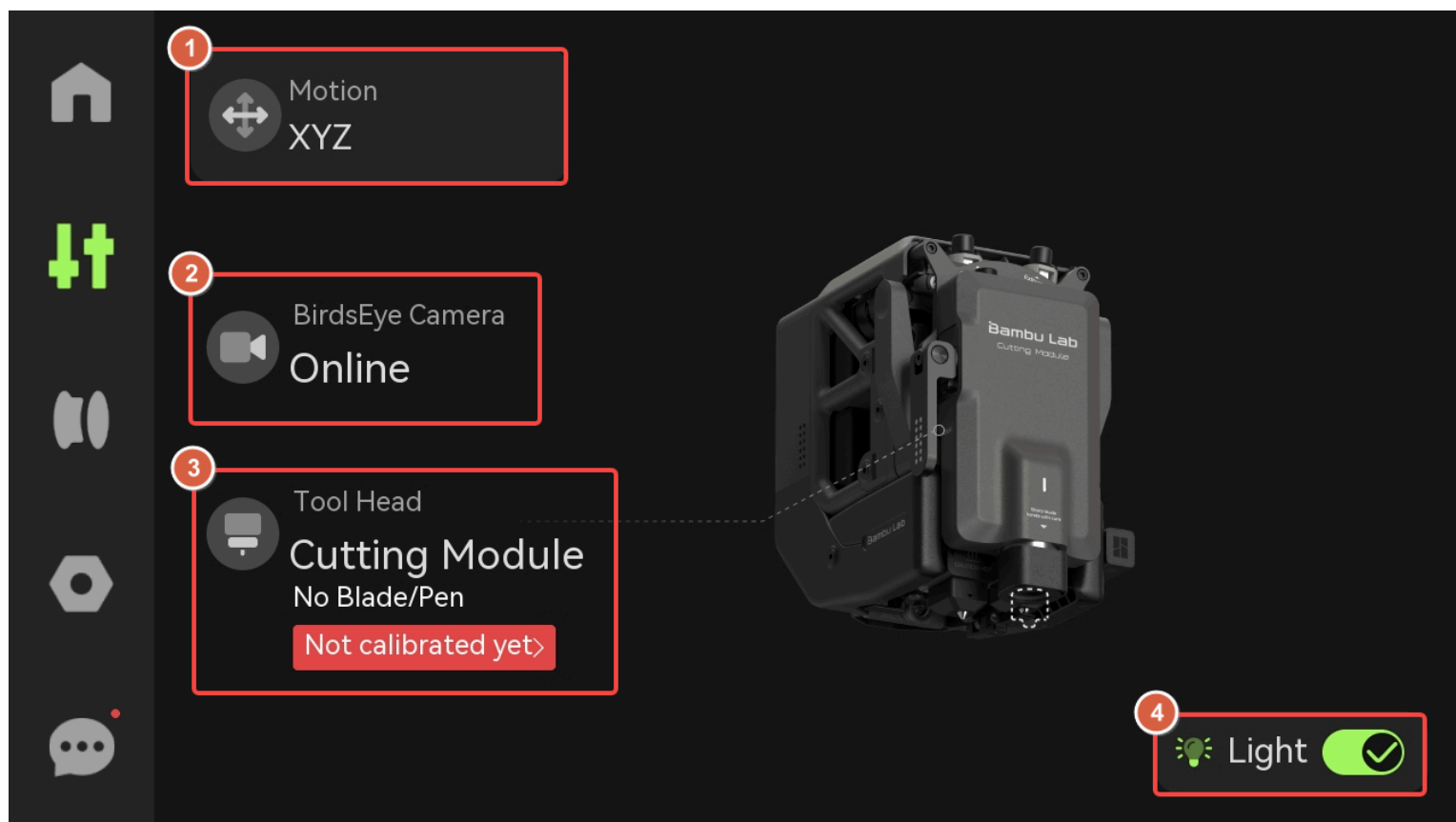

H2DL Cutting Module

Homepage

On the left side of the homepage is an on-screen menu bar that includes **Homepage**, **Controls**, **Filaments**, **Settings**, and **HMS**; on the right side is the **Print Files**, **Cutting Module**, **Network Setting**, and **HMS**.

102 hours on the clock. Let's make another legendary print!

Print Files

Cutting Module

Wi-Fi   1

Controls

1. Motion — XYZ
2. BirdsEye Camera — Online
3. Tool Head — Cutting Module — No Blade/Pen — Not calibrated yet
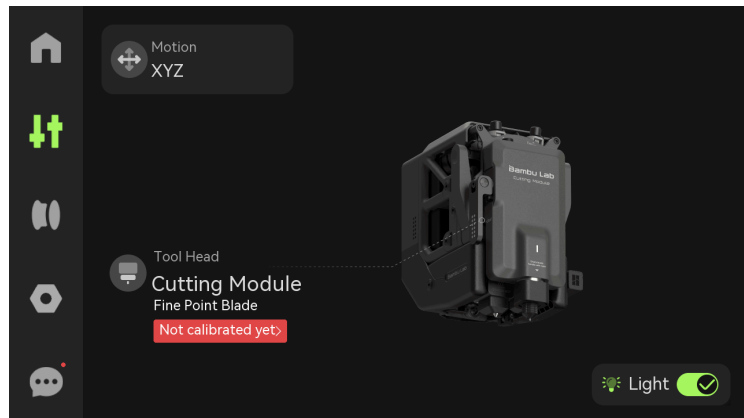4. Light

1. Motion

- ‣ **Toolhead:** Click +1 or +10 to control the toolhead movement in the X-axis and Y-axis.
- ‣ **Heatbed:** Click the 1 or 10 move button to raise or lower the heatbed.

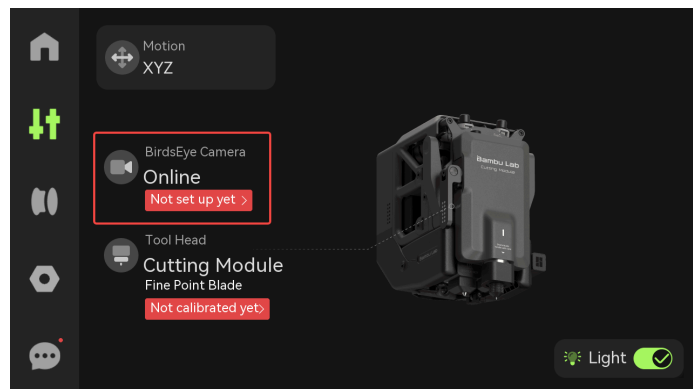| Tool Head	Heatbed
Y +10 +1 -X X -1 -10 -Y	↑ 10
	↑ 1
	↓ 1
	↓ 10
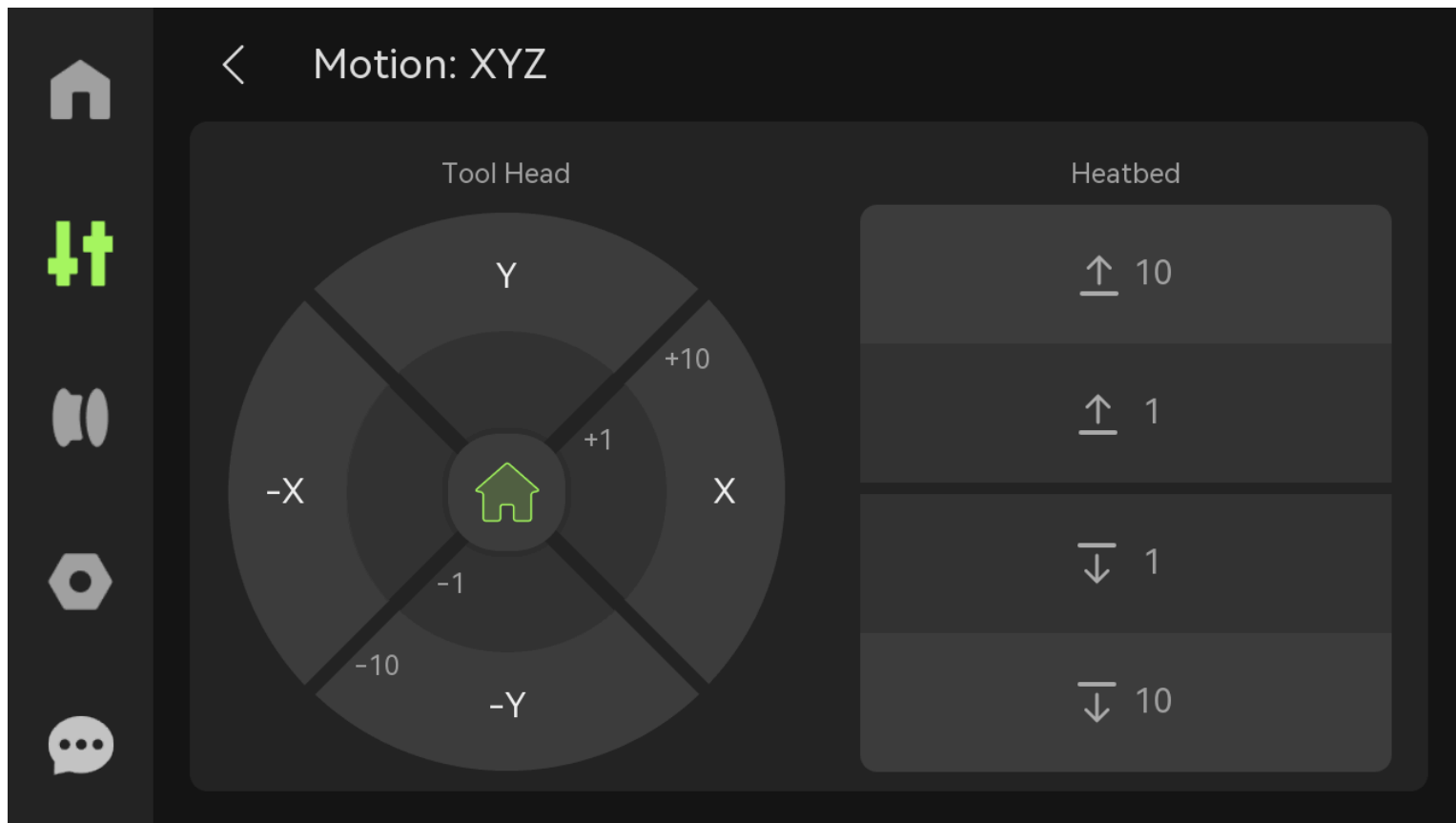
2. BirdsEye Camera

▸ If the birdseye camera is not installed, the birdseye camera icon will not be displayed.

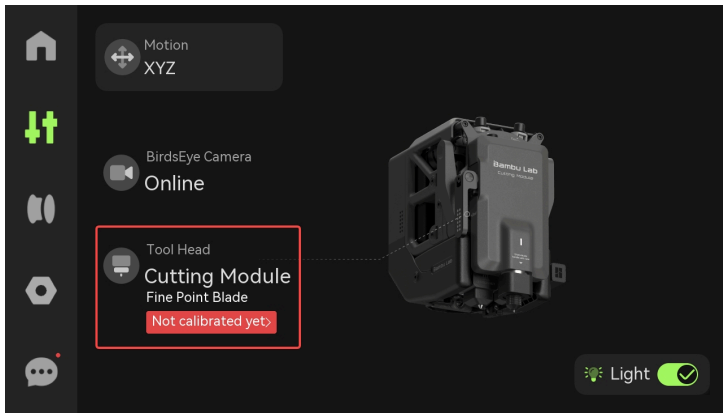▸ If it is installed but not setup, it will display "Not set up yet".
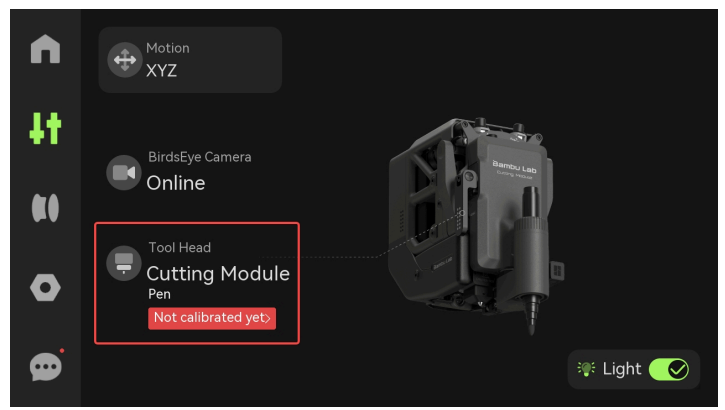

Icon not displayed

Not set up yet

3. Toolhead

Displays the status of the cutting module and the type of module installed. If it is not initialized, it will display "Not calibrated yet".
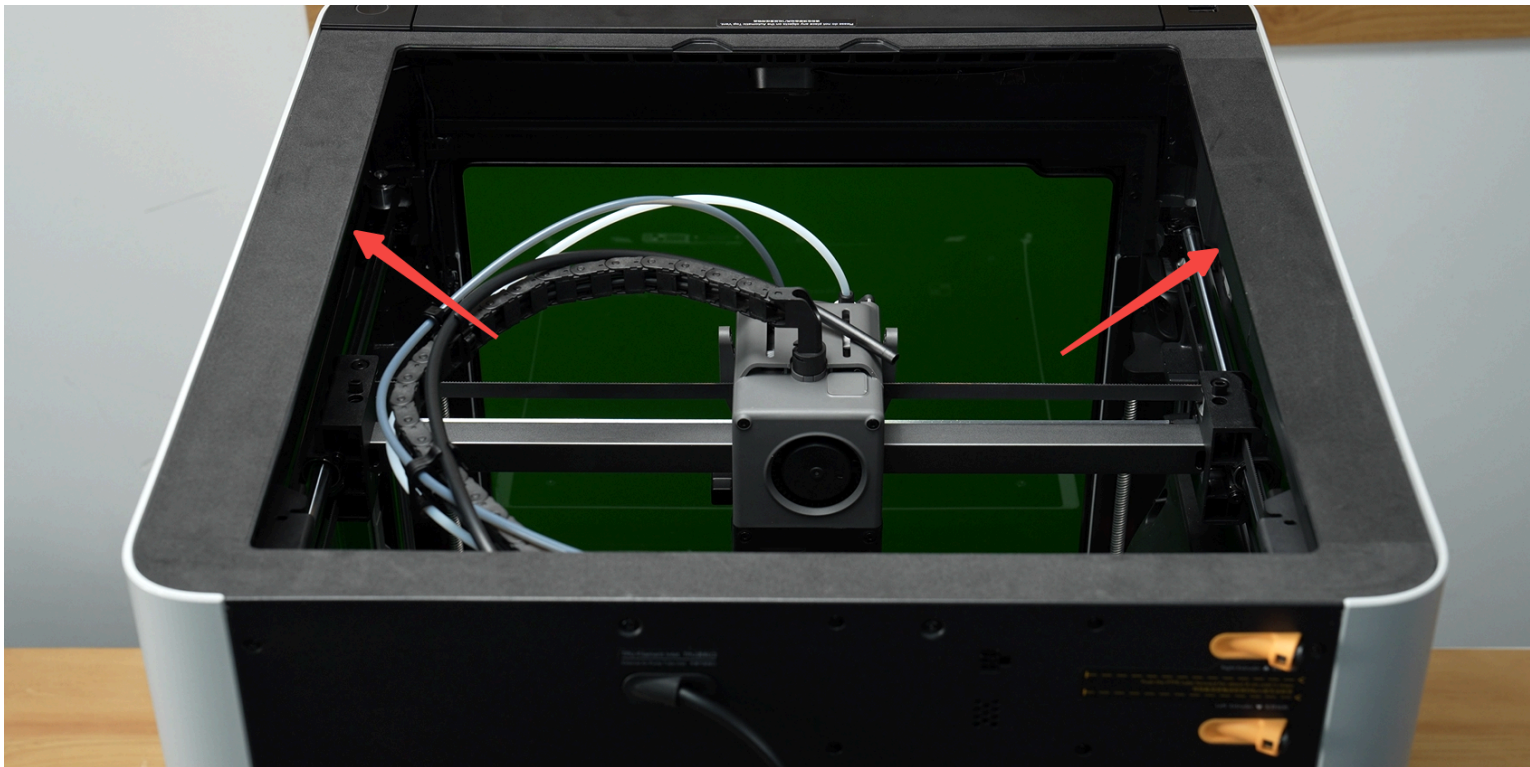
Fine Point Blade

Pen

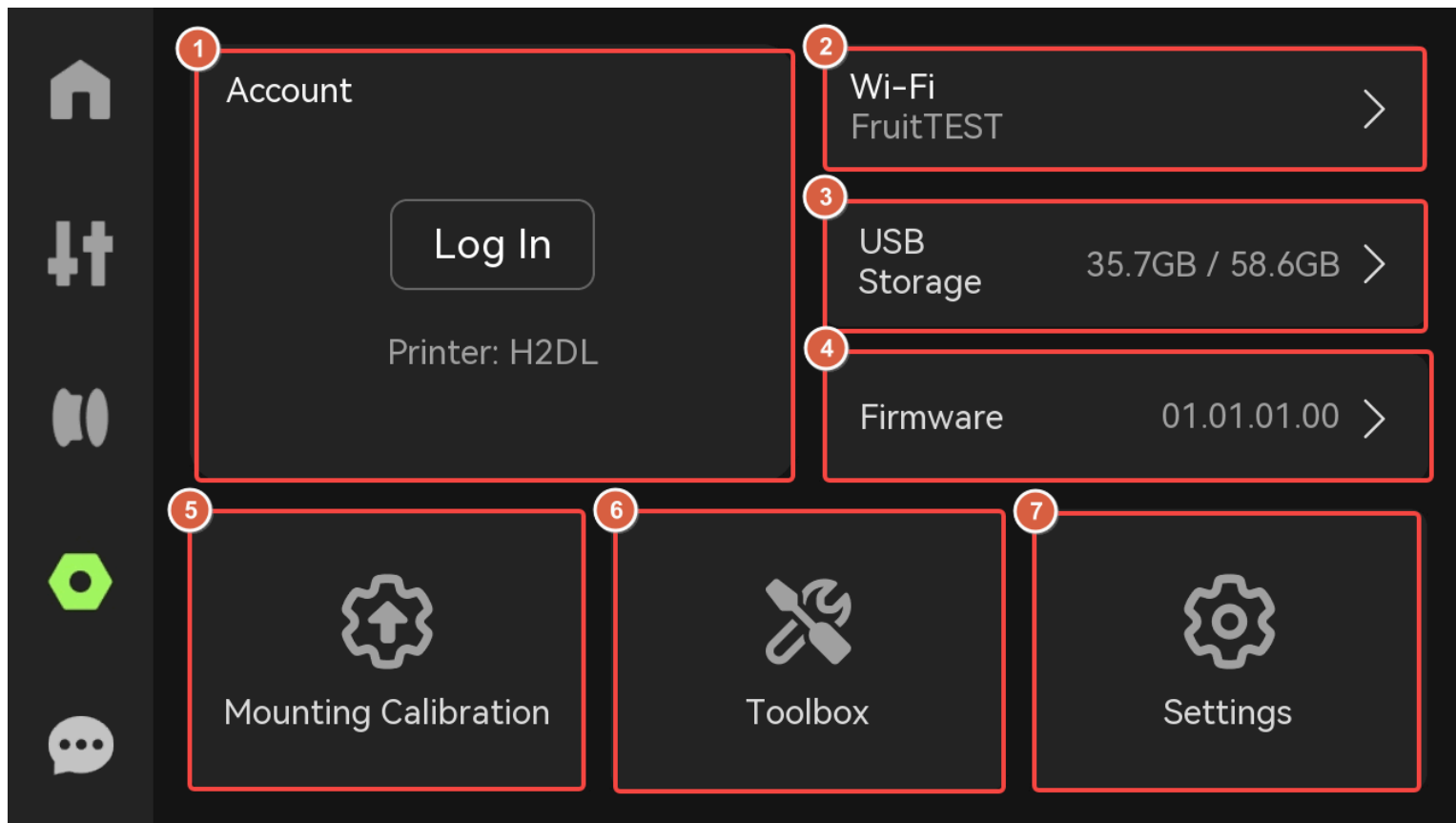## 4. Light

Click this button to control the LED light.

Settings

1. Account

Open Bambu Handy and scan the code to access the account.

2. Wi-Fi

Set up the WLAN, view the current network, test network, or view and add other networks.

3. USB Storage

‣ **Storage:** Display the used capacity and maximum capacity of the USB flash drive.

‣ **Eject:** Click "Eject" to eject the USB drive safely.

‣ **Format external storage:** Once reset, the storage cannot be restored.

For USB flash drive specifications and usage recommendations, please refer to: Specifications and Usage Recommendations of H2D USB Flash Drives.

4. Firmware

View the current version of the device and historical versions, or perform offline upgrades. If the firmware needs to be updated, the "Update" button in the upper right corner will light up.

5. Mounting Calibration

Every time the printer is powered on again, a cutting module mounting calibration is required to help the cutting module return to the center. To this end, a cutting platform must be placed on the hot bed to ensure the accuracy of the calibration process.

Cutting Module Mounting Calibration

1/2 Install the Cutting Module

- ✅ Slide in the Cutting Module
- ✅ Plug in the Cutting Connector
- ◯ Install the Blade
- ⓘ Fasten the Quick-release Lever

ⓘ This item requires you to check manually

Next

6. Toolbox

Toolbox

Setup

Cutting Module Mounting Calibration >

BirdsEye Camera Setup >

Maintenance

Laser Module Cleaning >
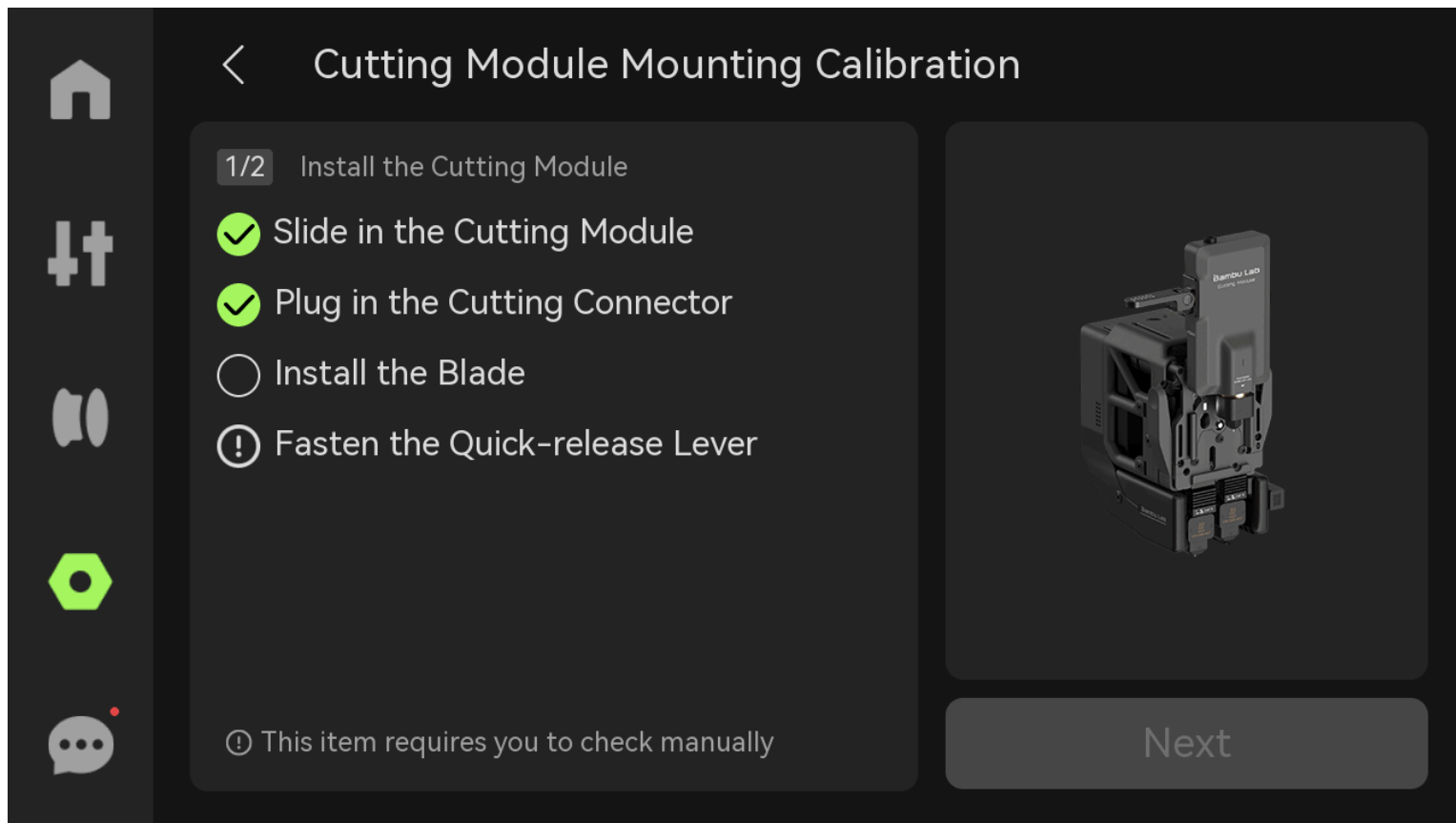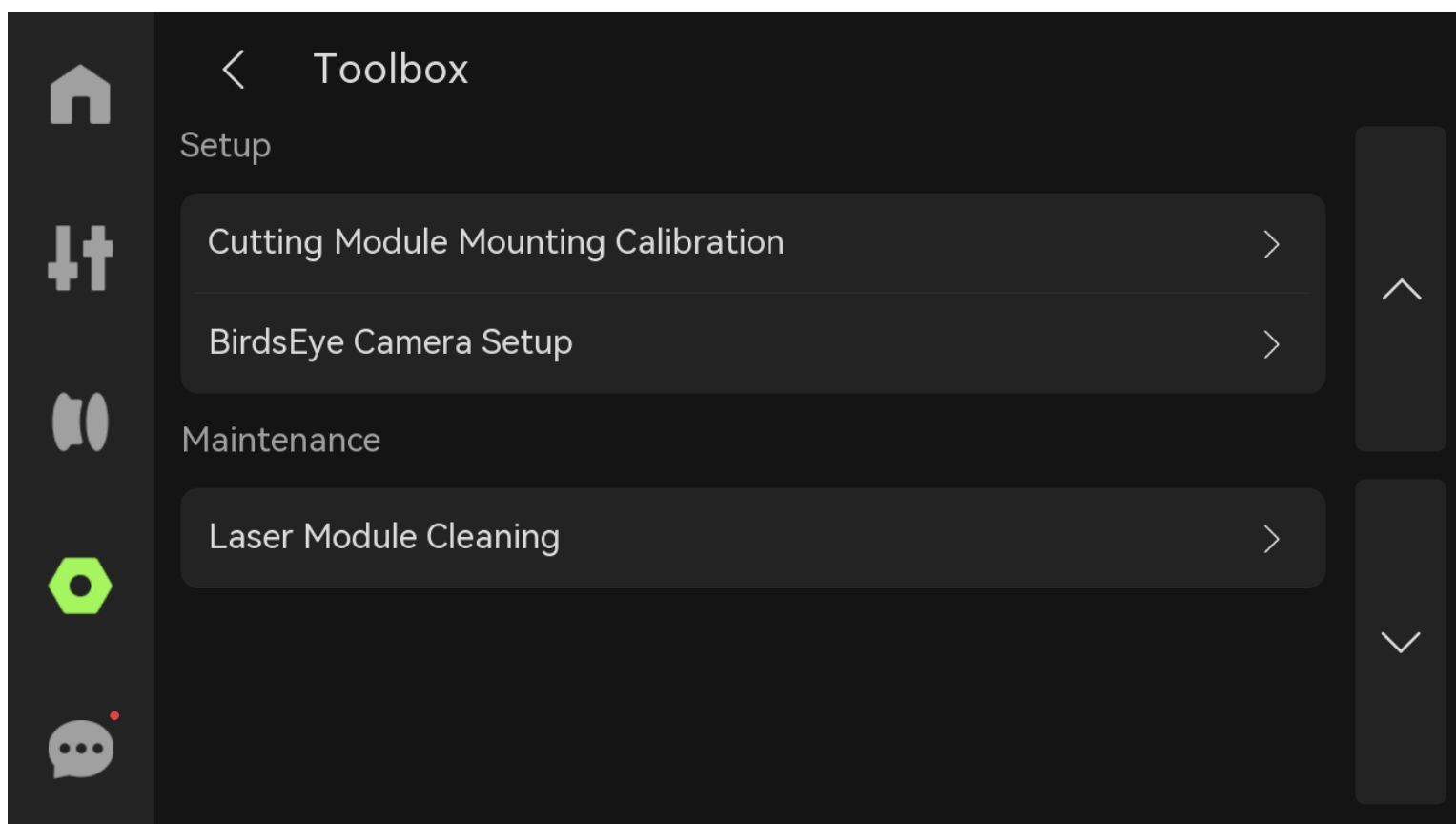
‣ **Cutting Module Mount Calibration:** Same as above "Mounting Calibration".

1/2 Install the Cutting Module

✓ Slide in the Cutting Module

✓ Plug in the Cutting Connector

○ Install the Blade

⊙ Fasten the Quick-release Lever

⊙ This item requires you to check manually

Next

▸ **BirdsEye Camera Setup**: The BirdsEye camera is calibrated at the factory and can be used immediately. However, due to factors such as transportation or prolonged use, the calibration parameters of the BirdsEye camera may gradually become less effective. If you are dissatisfied with the precision of laser processing, you can trigger the BirdsEye Camera Setup. During the setup process, it is necessary to use the four markers on the heatbed. Therefore, in this step, no other items should be placed on the heatbed, and it is essential to ensure that the markers are visible to the BirdsEye camera to improve the accuracy of the imaging.

‹ BirdsEye Camera Setup

1/4 Install the BirdsEye Camera

✓ Connect the BirdsEye Camera cable

⊙ Make sure the BirdsEye Camera locked well

⊙ This item requires you to check manually

Next

▸ **Laser Module Cleaning:** Regular cleaning of the laser module prevents the accumulation of powder and debris, ensuring the normal operation of the equipment and extending its service life. The printer will assess the degree of contamination of the printer based on the total engineering time and laser task type in Bambu Suite. The length of the green progress bar on the

left side of the screen will decrease as the laser module is cleaned; if the progress bar turns red and displays "Cleaning Required Immediately", cleaning is required. Specific tutorials can be obtained through the QR code on the right. Please refer to: Regular maintenance recommendations for 10w laser module.

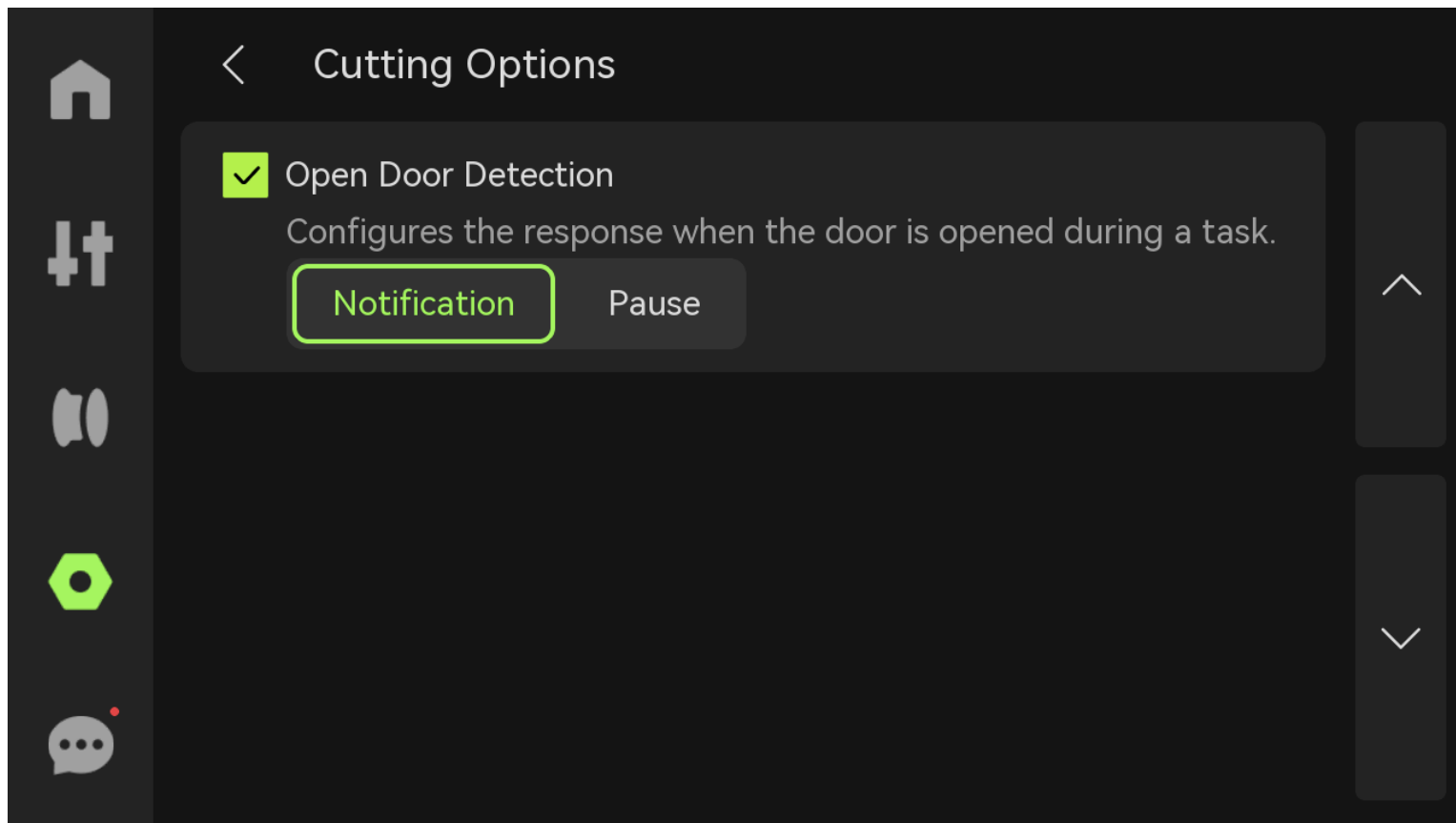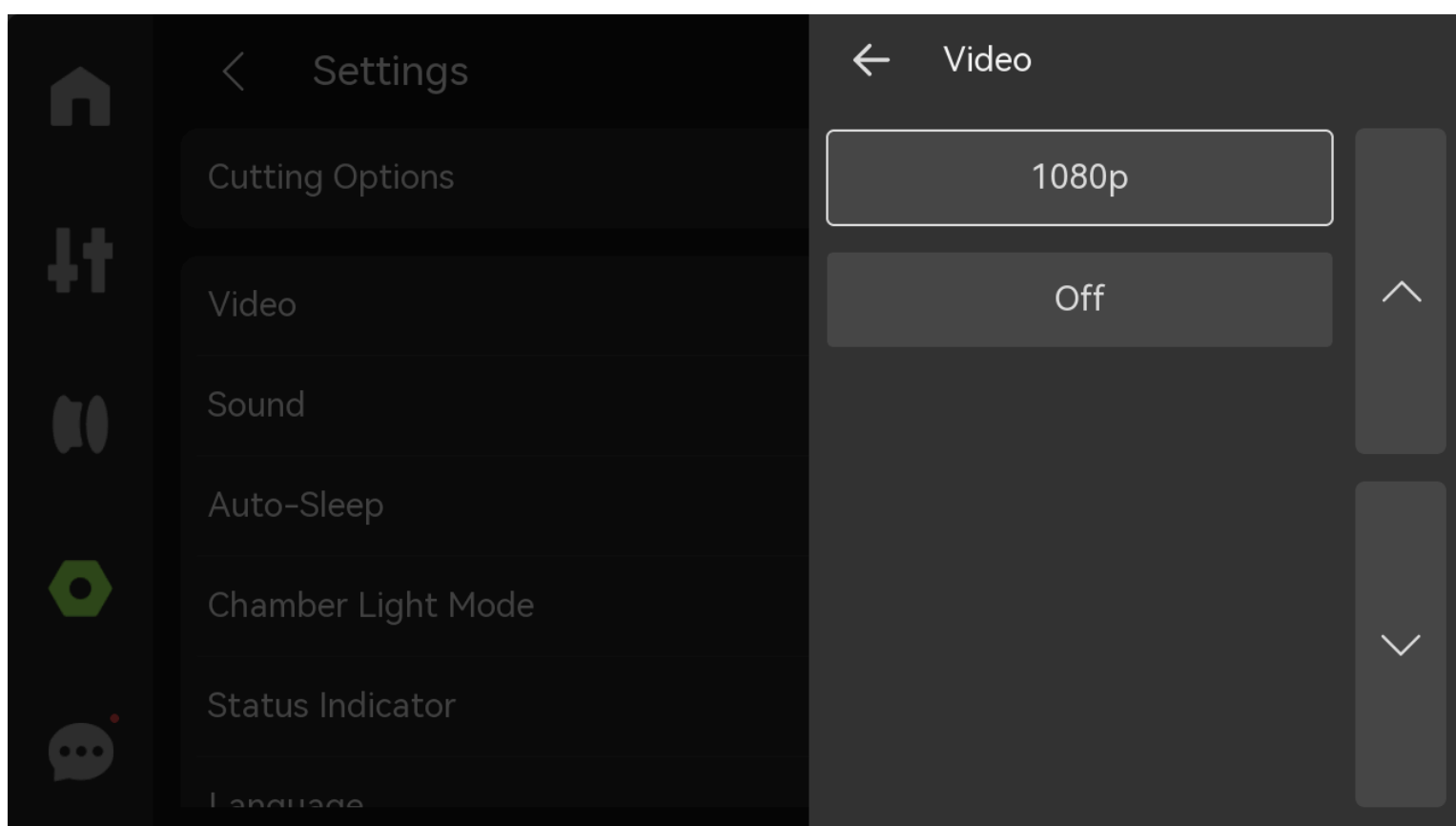## 7. Settings
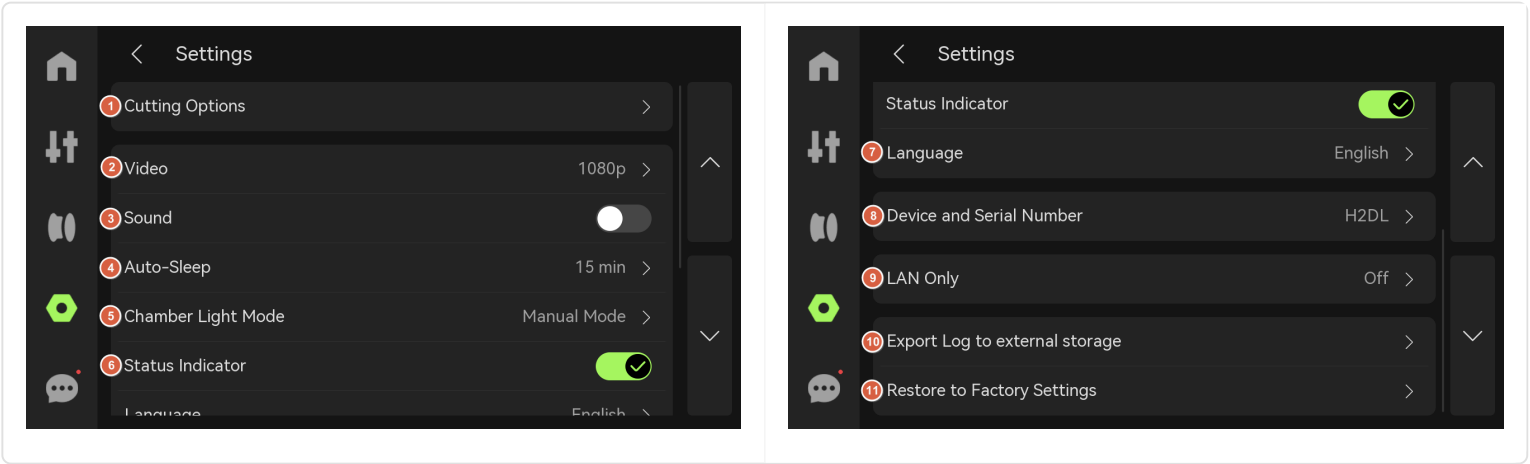
1. **Cutting Options:**

Open Door Detection: If open door detection is enabled, if the door is opened during a cutting task, a notification will be issued or the current task will be paused.
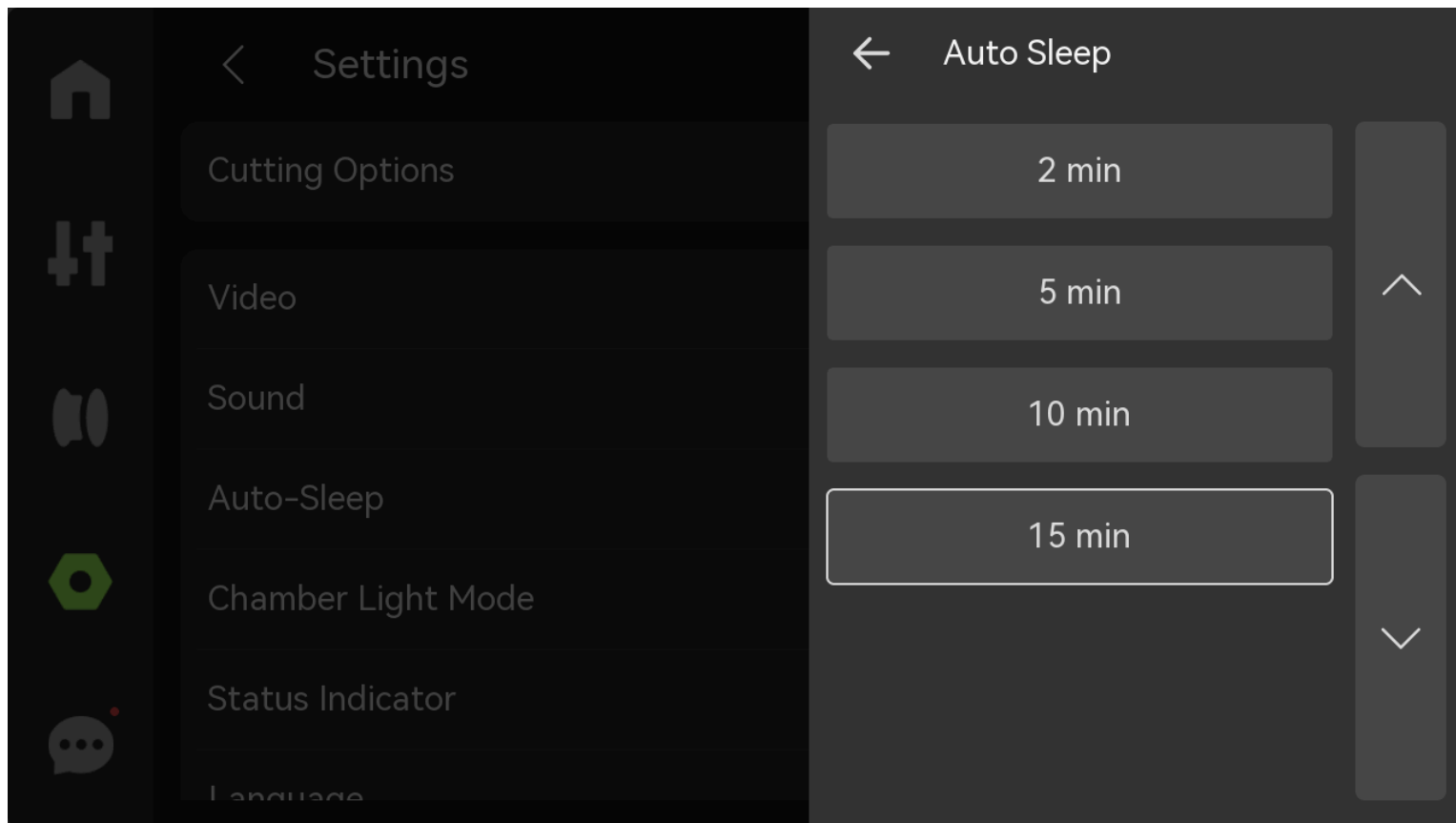
☑ Open Door Detection

Configures the response when the door is opened during a task.

[Notification]   Pause

2. **Video:** Choose to turn the video function on or off.

Settings

Cutting Options

Video

Sound

Auto-Sleep

Chamber Light Mode

Status Indicator
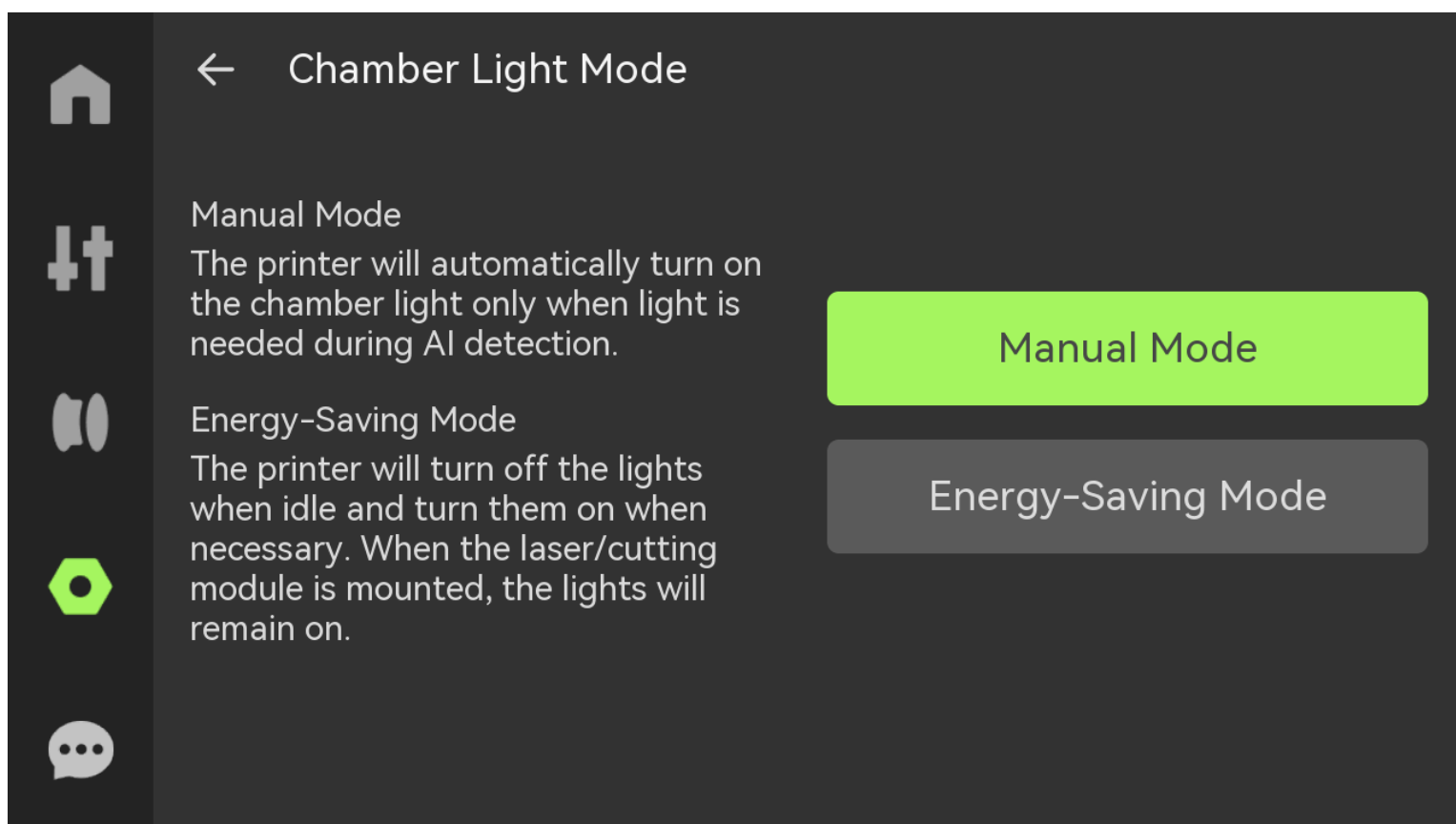
Language

Video

1080p

Off

3. **Sound:** If you turn on the option, the printer will emit a sound when it is turned on, when printing starts, and when printing ends.
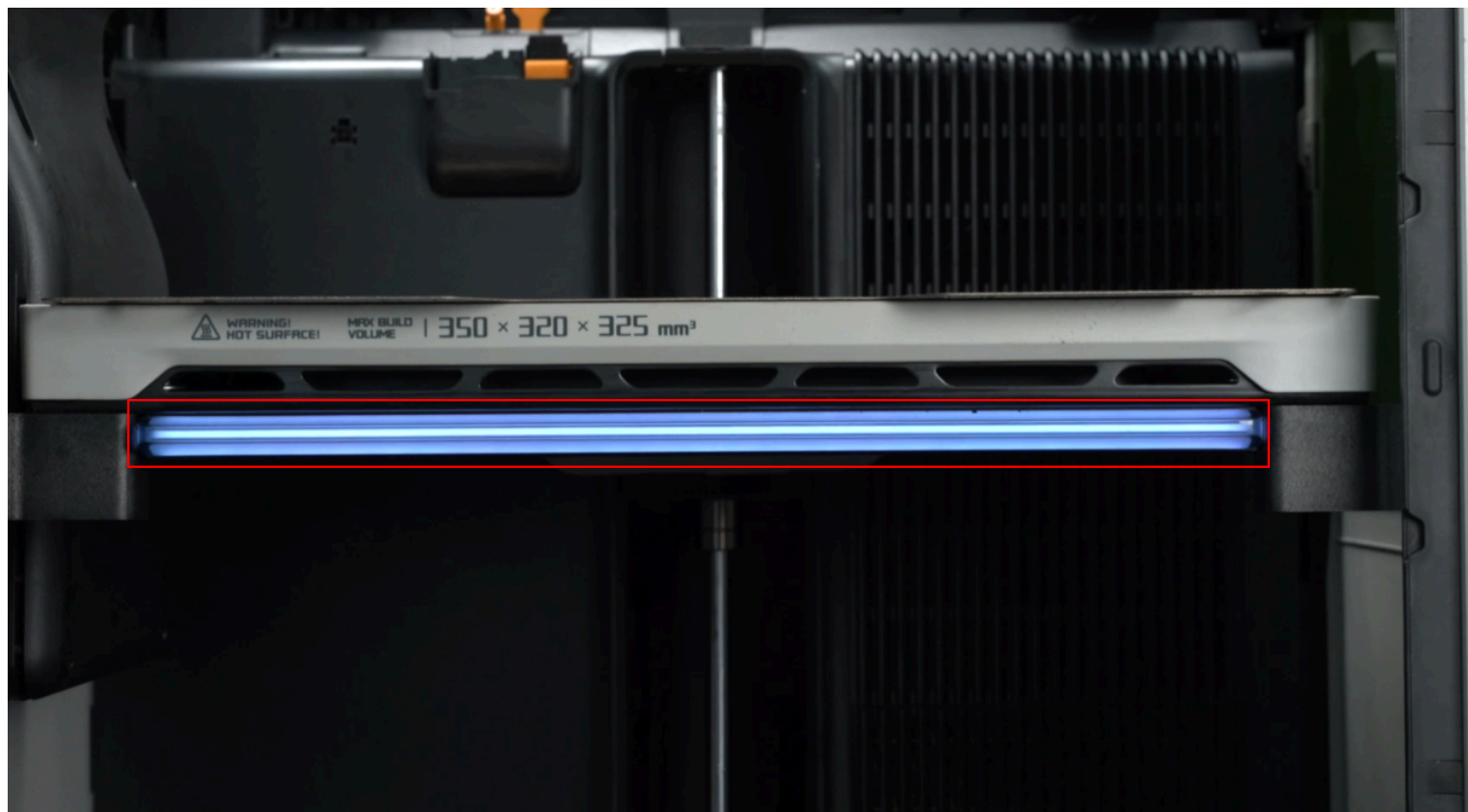
4. **Auto-Sleep:** Select the length of time the printer will automatically sleep.

	Auto Sleep

Cutting Options

2 min

Video

5 min

Sound

10 min

Auto-Sleep

15 min

Chamber Light Mode

Status Indicator

Language

5. **Chamber Light Mode:** You can choose manual mode or energy-saving mode according to actual needs.

← Chamber Light Mode

Manual Mode
The printer will automatically turn on the chamber light only when light is needed during AI detection.

Manual Mode

Energy-Saving Mode
The printer will turn off the lights when idle and turn them on when necessary. When the laser/cutting module is mounted, the lights will remain on.

Energy-Saving Mode

6. **Status Indicator:** Used to indicate the printer's health status and print task status.

7. **Language:** Select the language in which the printer screen is displayed.
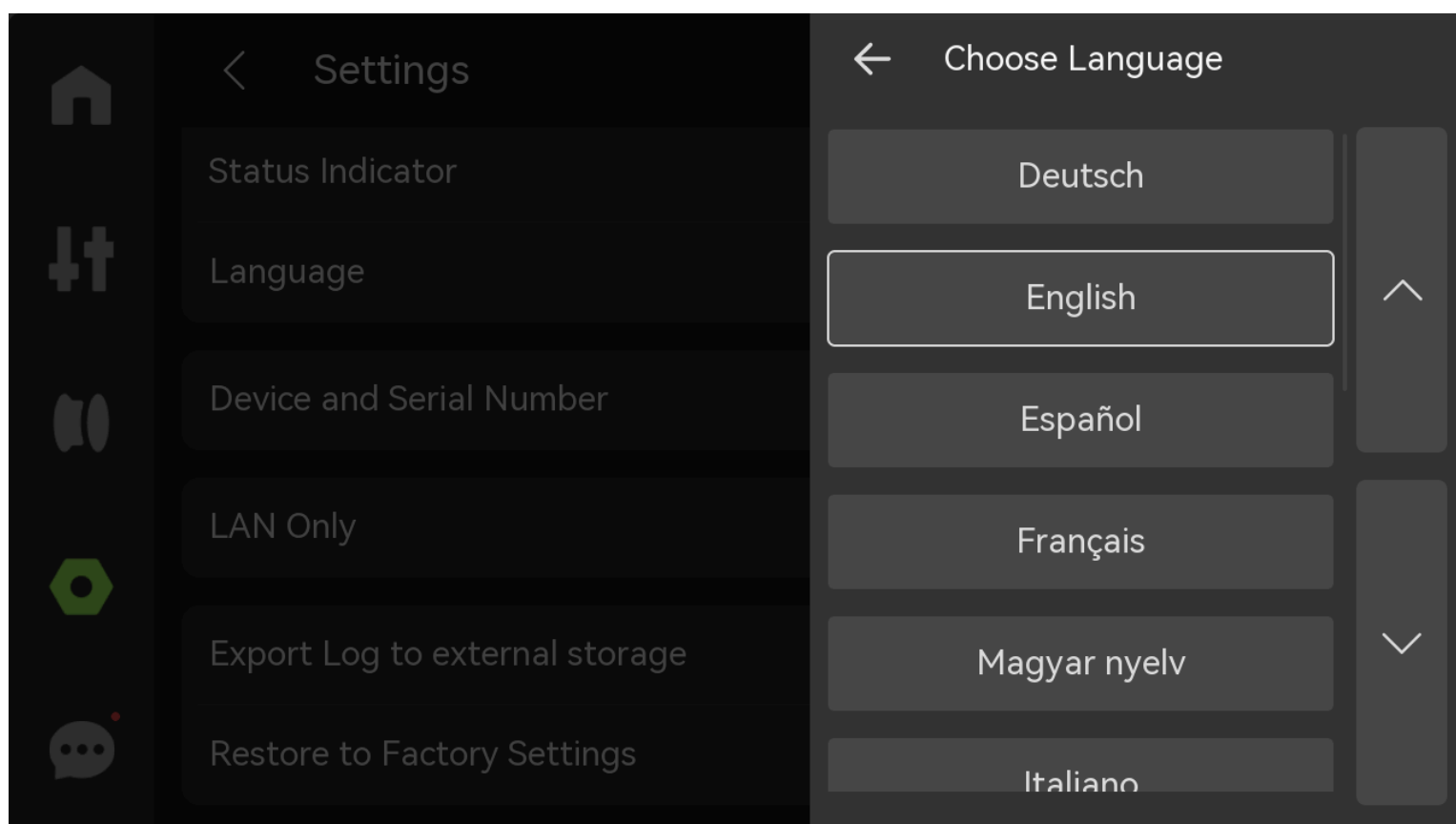

8. **Device and Serial Number:** View the device name, device usage time, and serial number. Choose whether to join the user experience improvement program. Once enabled, the machine data (such as printing time, error information, etc.) can be uploaded to the official backend for subsequent statistics and improvements.
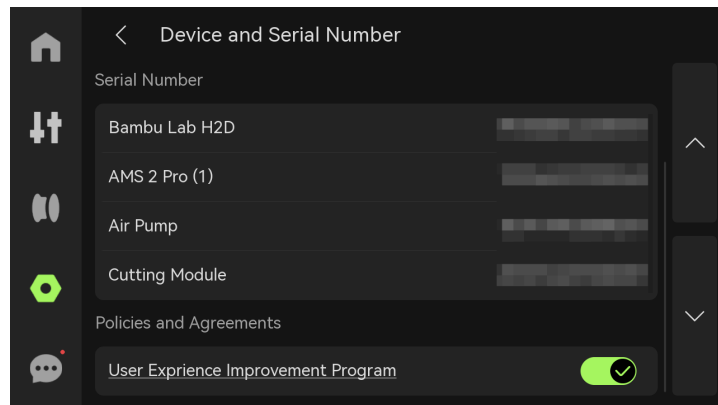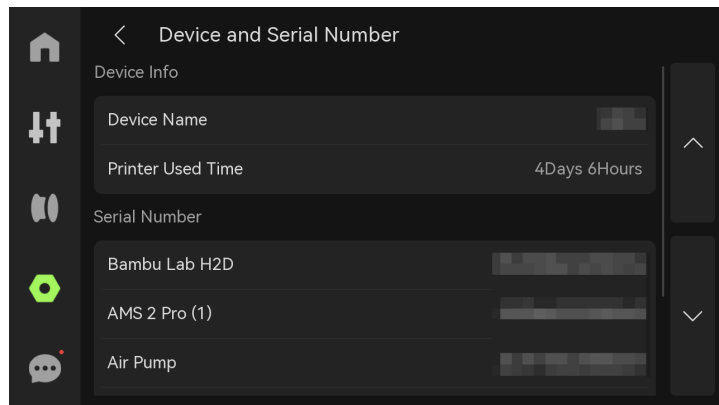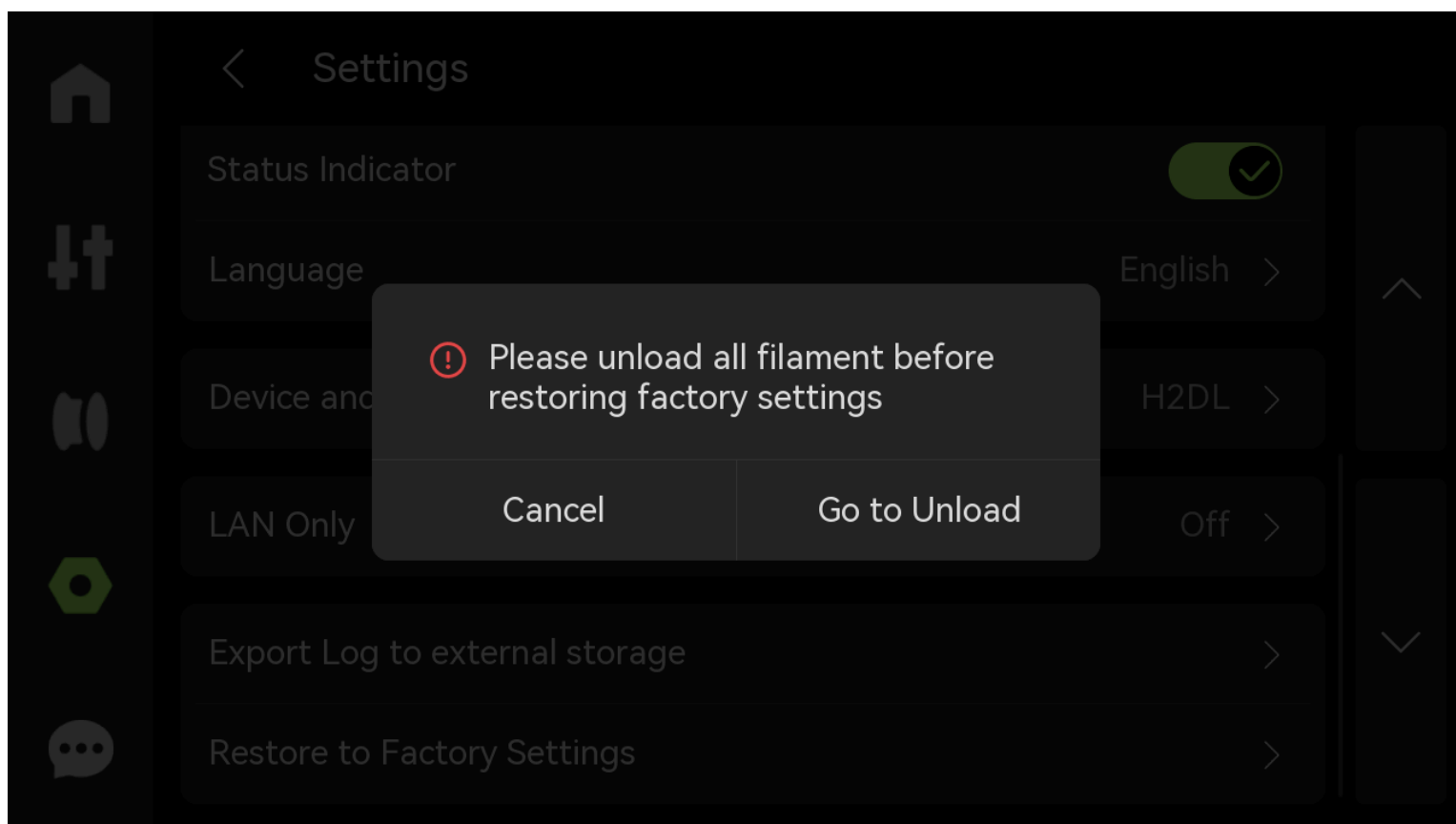
9. **LAN Only:** When turned on, the printer can only be connected and accessed within the local network and cannot be accessed or controlled remotely over the Internet. If multiple devices are connected via the same LAN, live view or data sharing is possible.
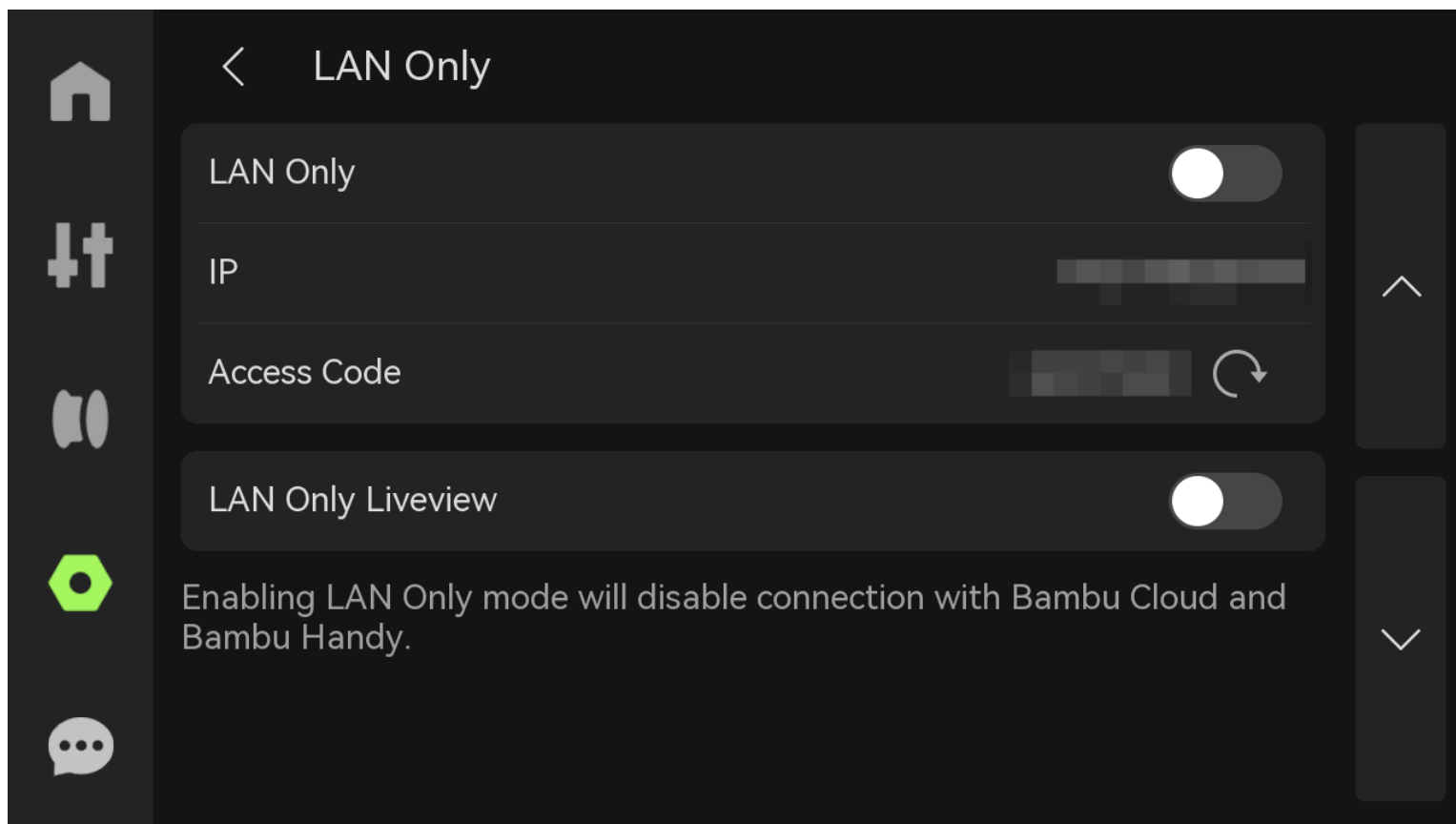
10. **Exportar registro a almacenamiento externo:** elija si desea exportar todos los registros, fotos clave (para determinar problemas de micro radar y espaguetis) y código G (para determinar problemas de calidad de impresión) según sus necesidades.
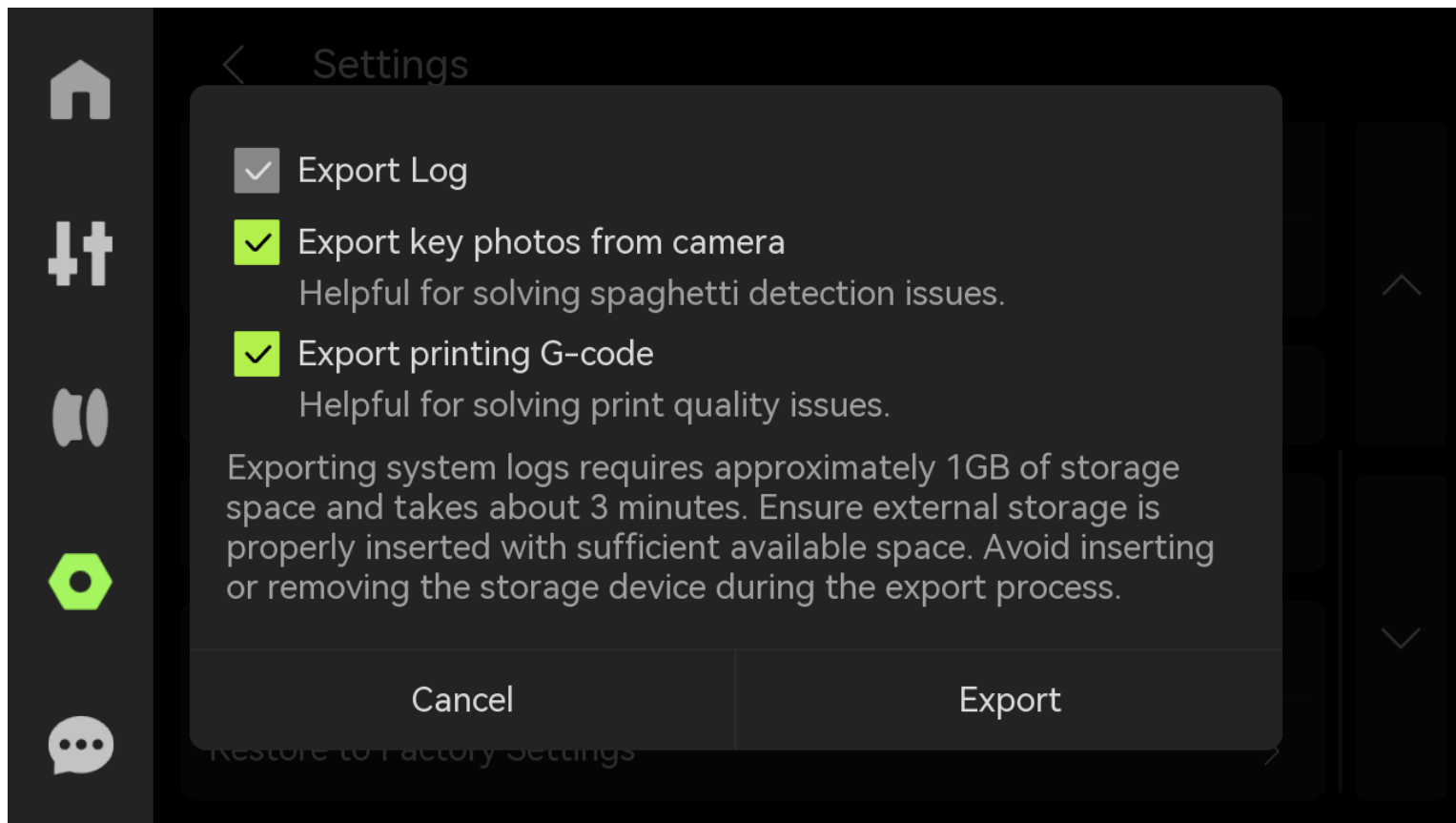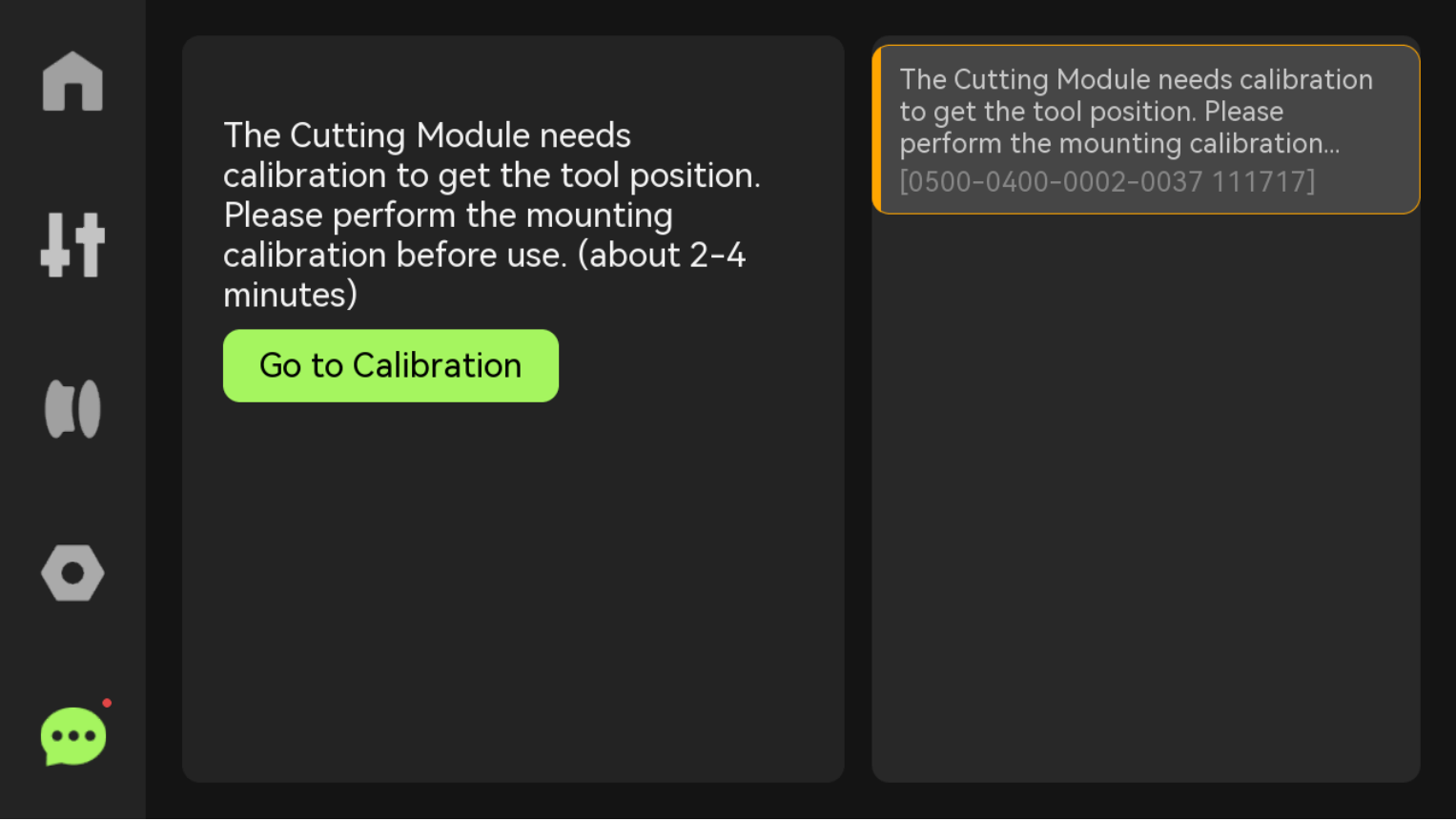
11. **Restaurar la configuración de fábrica:** Restablece la impresora a la configuración de fábrica. Una vez restablecida, no se puede restaurar la configuración.

HMS

Si hay un problema con la impresora, se mostrará un mensaje de error aquí.

The Cutting Module needs calibration to get the tool position. Please perform the mounting calibration before use. (about 2-4 minutes)

Go to Calibration

The Cutting Module needs calibration to get the tool position. Please perform the mounting calibration...
[0500-0400-0002-0037 111717]

Notas finales

Esperamos que la guía detallada proporcionada haya sido útil e informativa.

Si esta guía no resuelve su problema, *envíe un ticket técnico* ☑ . Responderemos a sus preguntas y le brindaremos asistencia.

Si tiene alguna sugerencia o comentario sobre esta wiki, deje un mensaje en la sección de comentarios. ¡Gracias por su apoyo y atención!