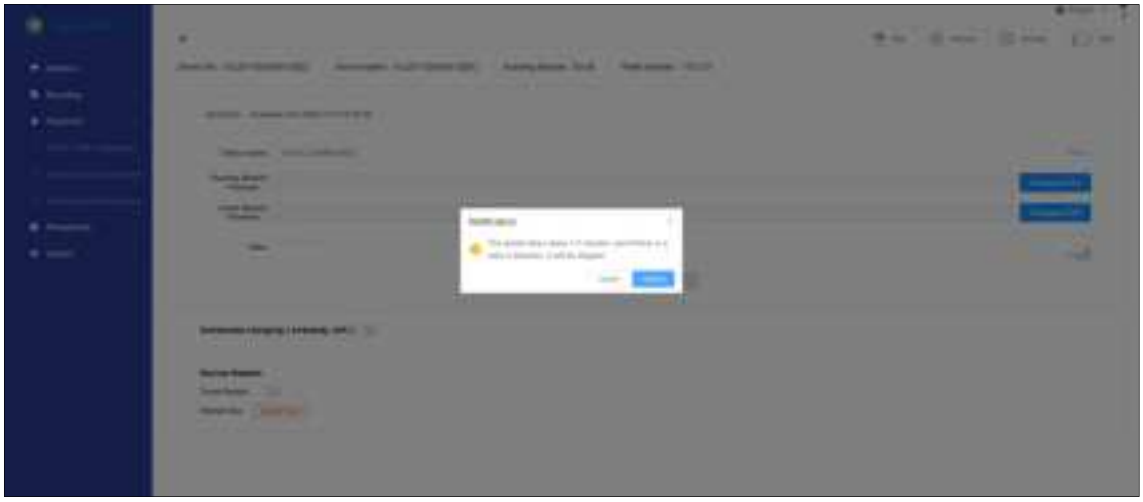
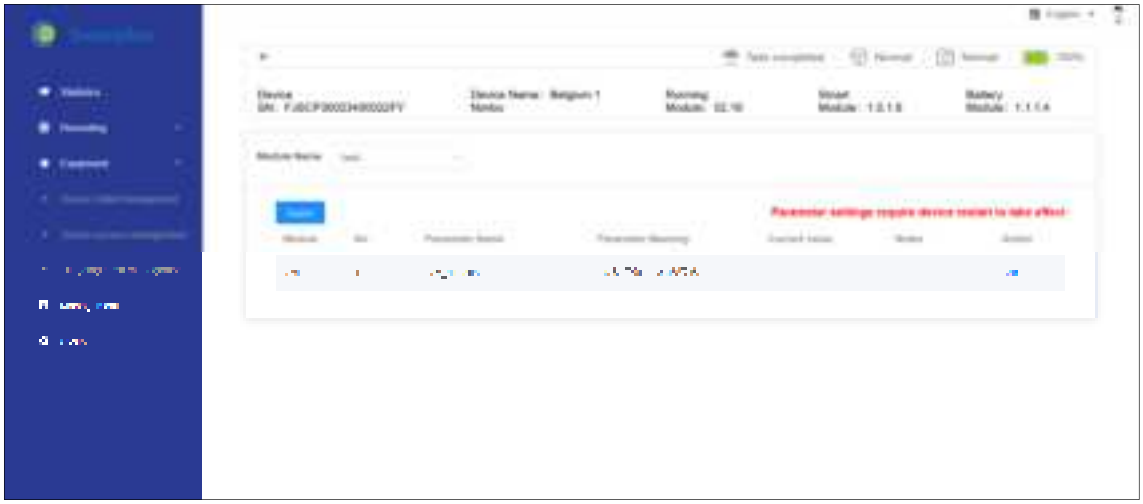
!	**Note:** This feature can only be used under the guidance of our technicians.



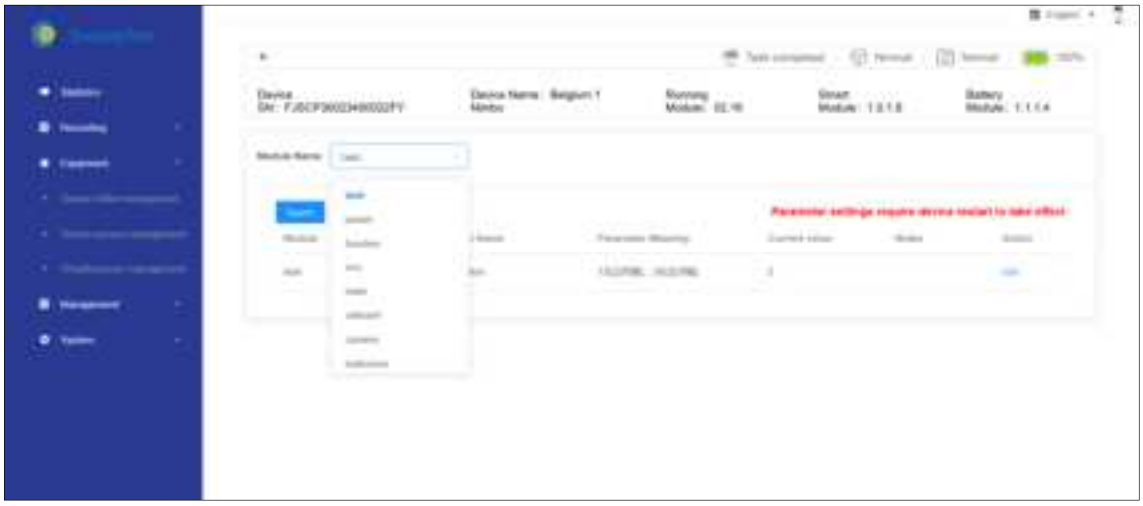
Restart:

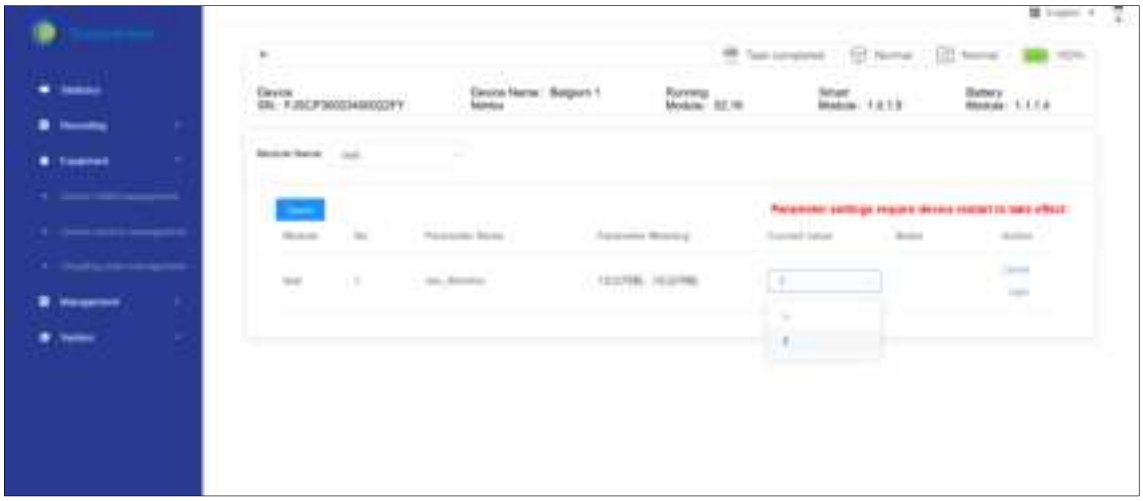
- To enable timed restart, turn on the toggle, which turns blue. To disable this feature, turn off the toggle, which then turns grey, and the restart time is hidden.
- To edit the restart time, turn on the toggle, click the edit button, and edit the time.
- To restart immediately, click the red **Restart Now** button, and click **Confirm** in the popup that appears. The robot restarts in about one to three minutes.

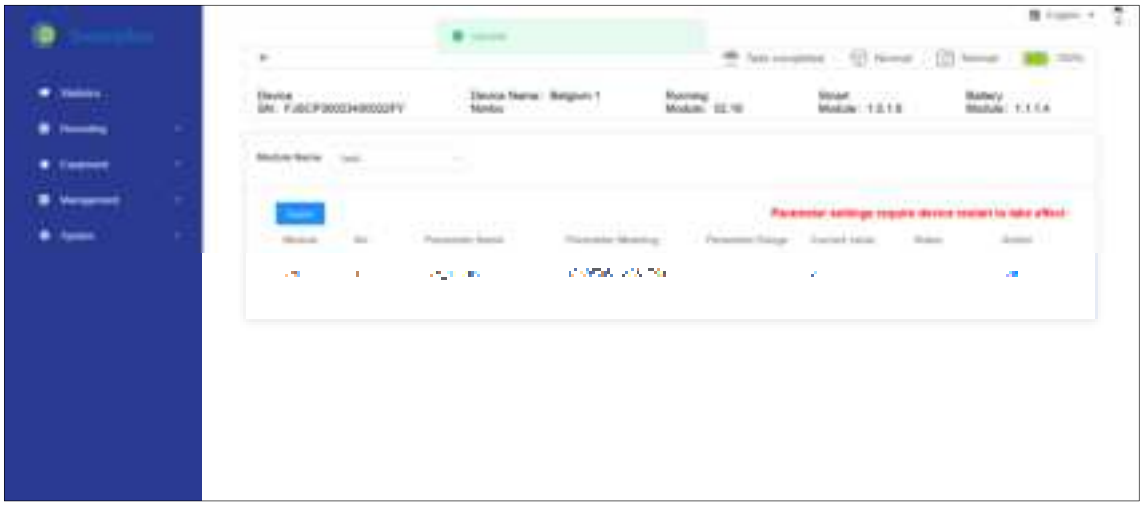
5. Parameter Settings



Find the target robot, and click **Parameter Settings** to modify the parameters, so that the robot works better on the target site.







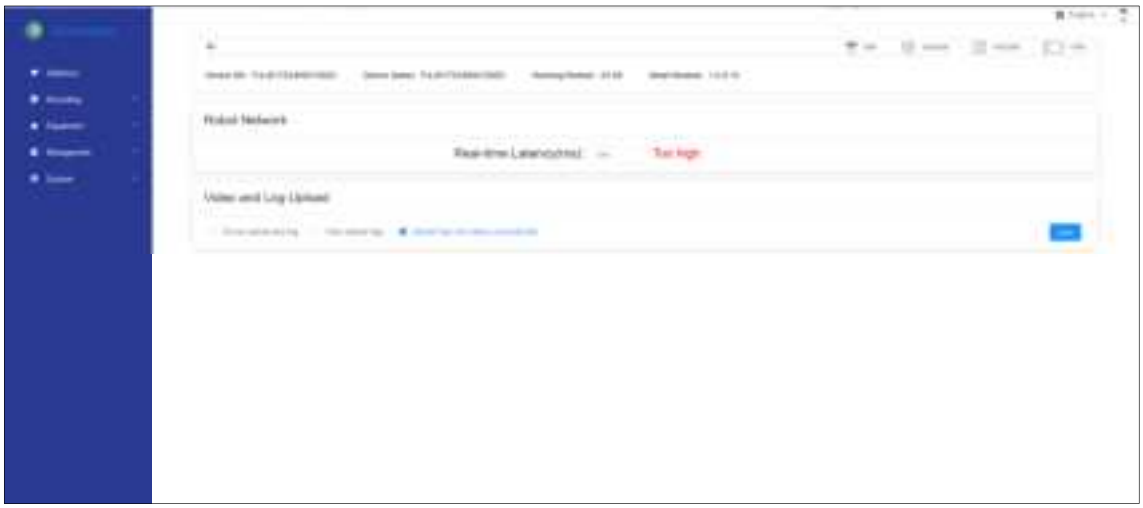
Set the parameters:

- Select the module, find the parameter, click **Edit**, and then edit the parameter as required.
- Click **Save** to save the changes. The changes are saved successfully when a green message "success" appears. Restart is required for the changes to take effect.

!	**Note**: This feature can only be used under the guidance of our technicians.

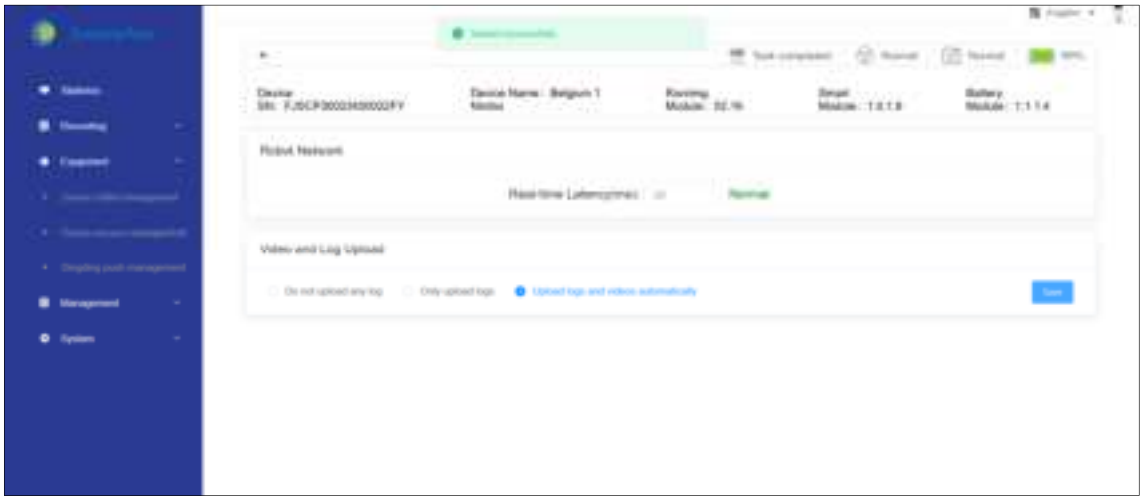
6. Video Settings

On this page, you can specify whether to upload logs and video and see whether the network latency is normal. The available options are **Do not upload any log**, **Only upload logs**, and **Upload logs and videos automatically**.



Robot Network:

- Displays **Normal** in green when the network connection is normal.
- Displays **Too High** in red when the network connection is poor.



Video and Log Upload:

- Select **Do not upload any log**, **Only upload logs**, or **Upload logs and videos automatically**. The videos and logs are uploaded to the cloud.
- Click **Save** to save the settings. The changes are saved successfully when the message "Saved successfully." appears.

7.3.6 Roller lifting module

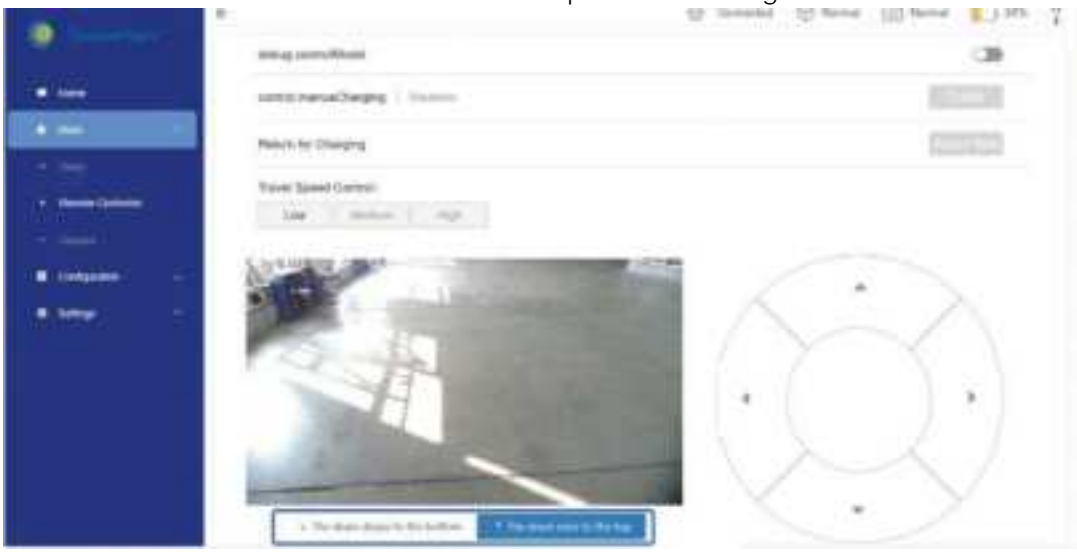
1. Drum lifting key combination (Easy Control)

- Lift: Click A and the blue button in turn, release and wait for 5 seconds, then lift the drum
- Descend: Click B and the blue button in turn, release and wait for 5 seconds for the drum to descend
- The drum lifting reaction needs to wait for 5 seconds, and ensure that the drum is at the bottom when the pusher is working

2. Web control

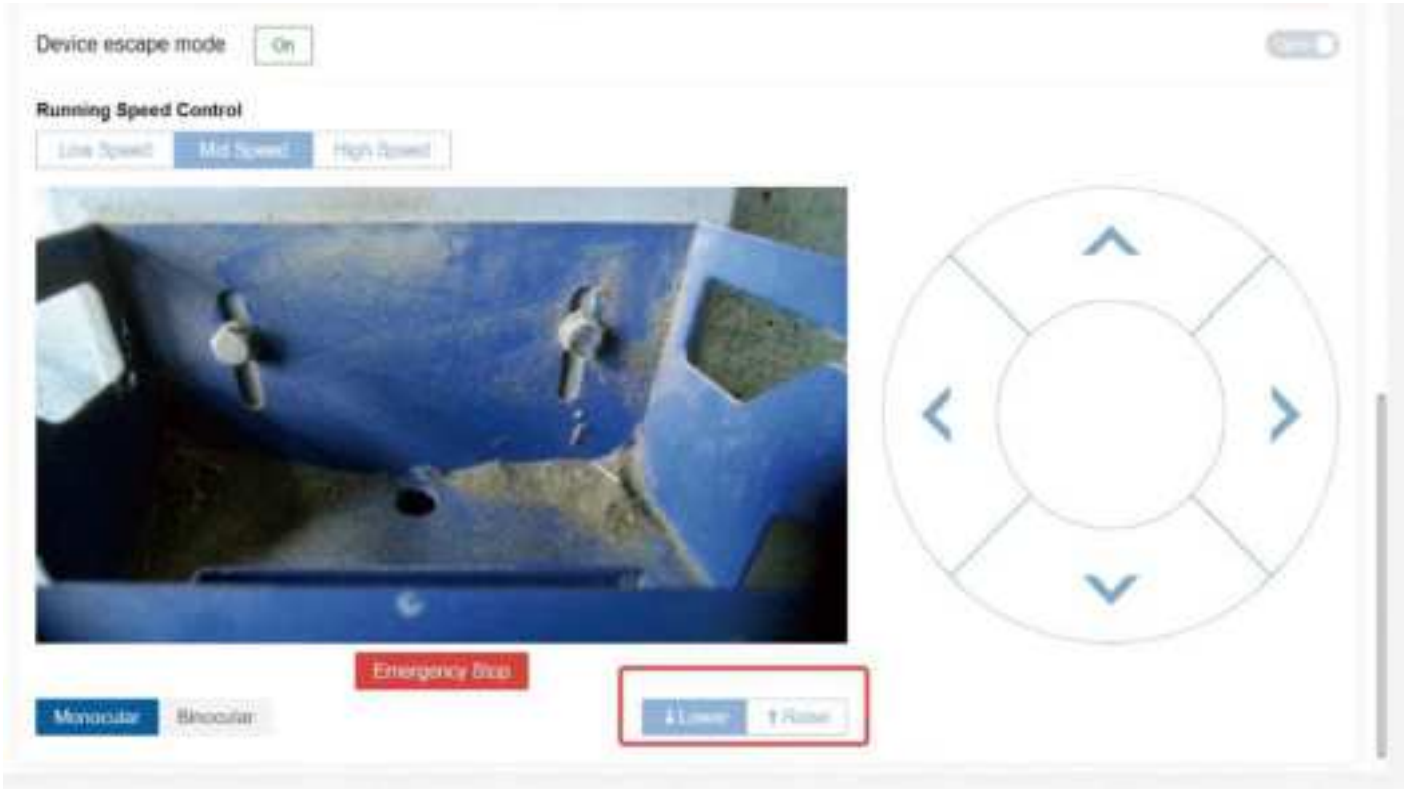
Proximal web page

- Connect the machine WiFi, enter 10.33.68.254 in the browser;
- Work - Remote Control - Select the drum lift button, the blue icon represents the current drum position status.
- Ensure that the drum is at the bottom when the pusher is working



Operation platform

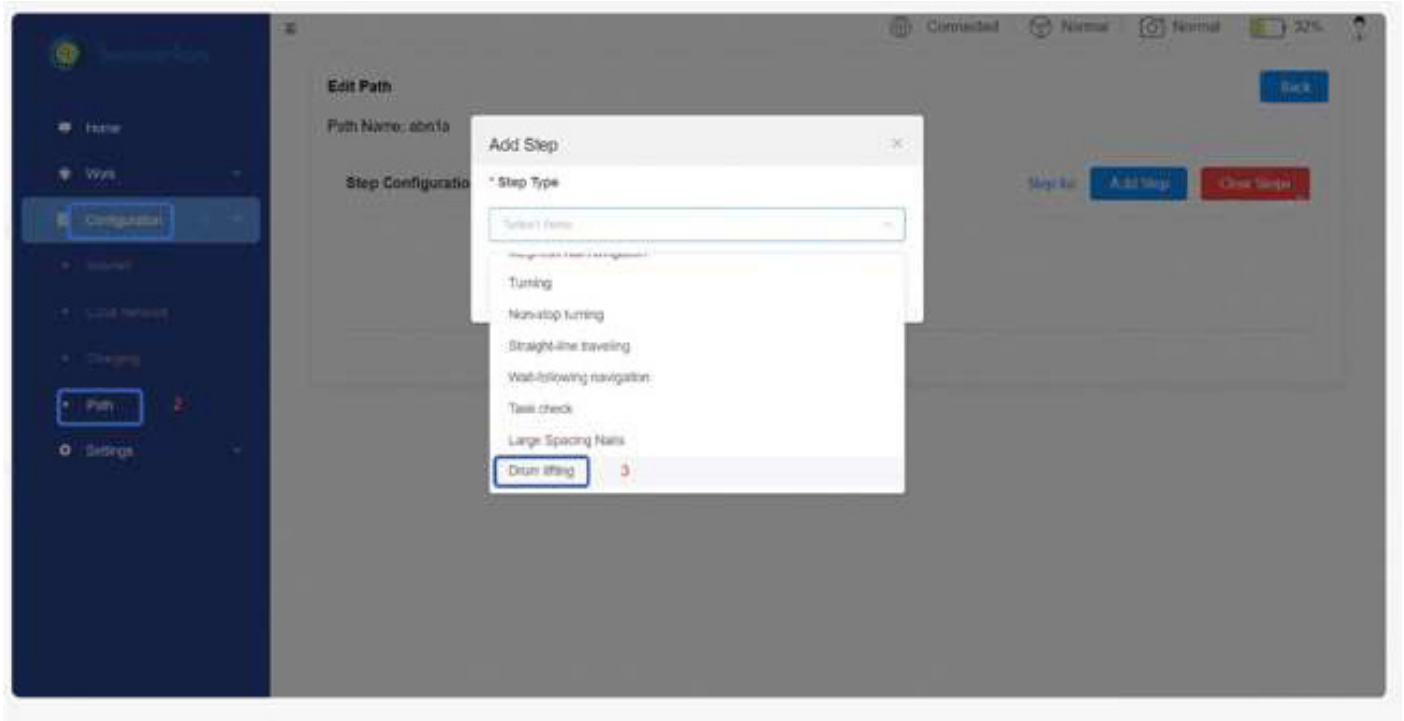
- Remote control - select the drum lifting button, the blue icon represents the current drum position status (ensure that the drum is at the bottom when the pusher is working)

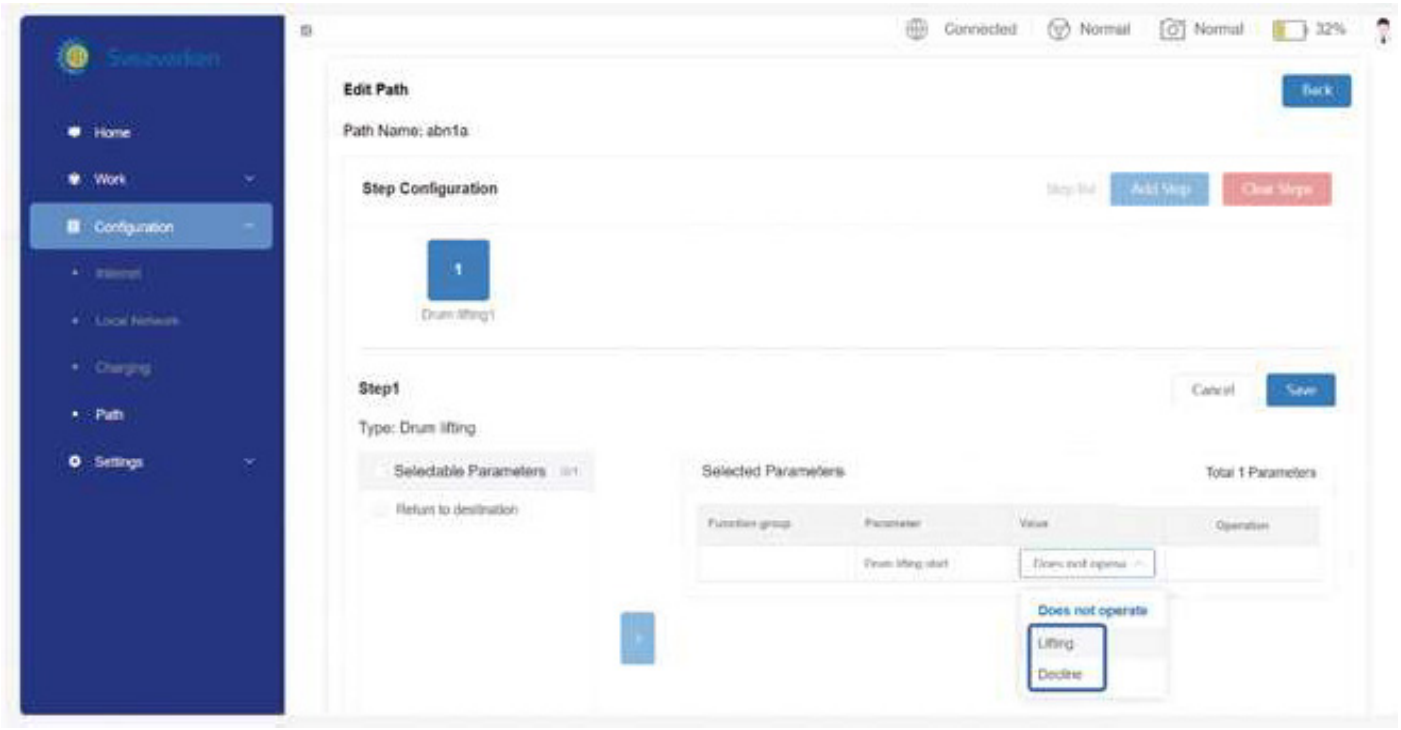


3. Roller lifting map configuration

Proximal map configuration

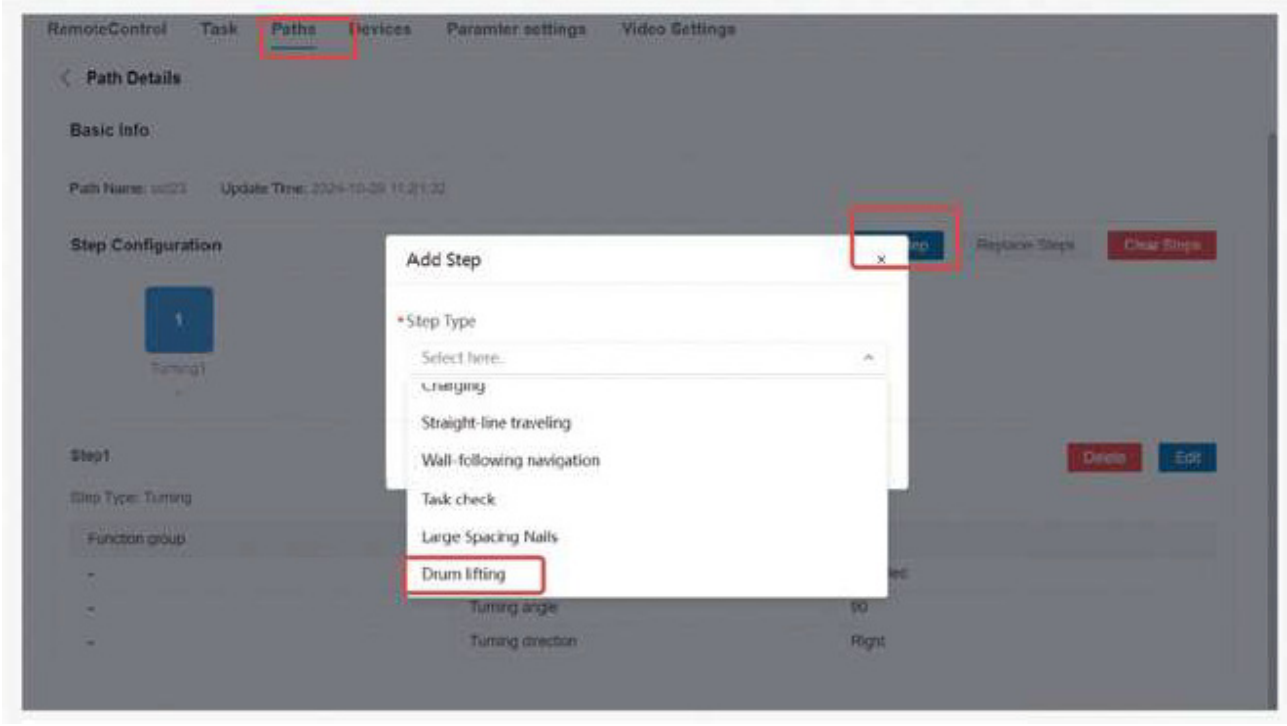
- Connect the machine WiFi, enter 10.33.68.254 in the browser;
- Configuration - Path Configuration - New Steps - Select Roller Lift;
- Select the drum operation (lifting/lowering/not operating) of the current node as needed.

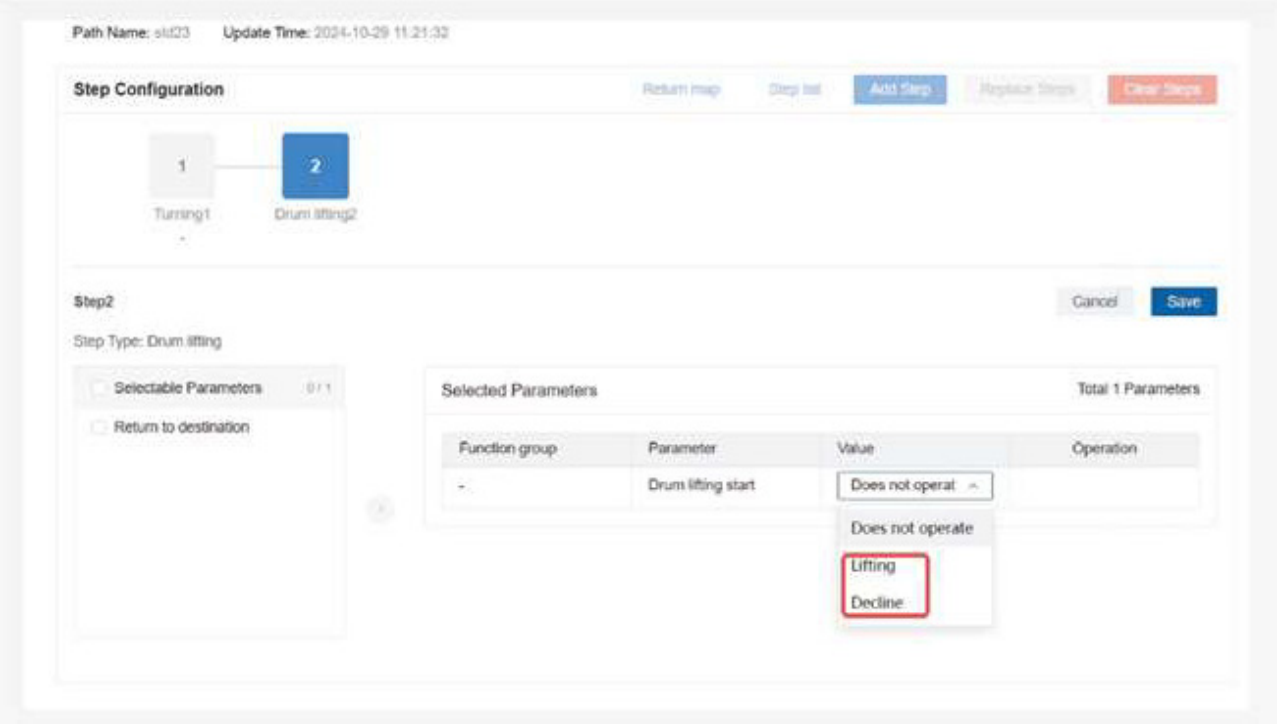




Operation Platform Map Configuration

- Path Management - Add Step - Select Roller Lift;
- Select the drum operation (lifting/lowering/not operating) of the current node as needed.




Path Name: std23
Update Time: 2024-10-29 11:21:32
Step Configuration
Return map
Step list
Add Step
Replace Steps
Clear Steps
1
Turning1
-
2
Drum lifting2
Step2
Cancel
Save
Step Type: Drum lifting
Selectable Parameters
0 / 1
Return to destination
Selected Parameters
Total 1 Parameters
Function group
Parameter
Value
Operation
-
Drum lifting start
Does not operat
Does not operate
Lifting
Decline

8 Installation and Commissioning

8.1 Deployment of Travel Routes

- Setup of travel routes may be performed by local dealer engineers authorized by Sveaverken. Based on the design drawings of your farm feeding alley, engineers design and deploy the travel routes, including visual navigation routes and magnetic nail navigation routes.
- The charging pile is usually installed on the route side at the barn entrance to avoid interfering with other work done in the barn.
- The travel routes start from the charging pile. Keep clean every travel route, especially left and right quarter turns and T intersections. Ensure that magnetic nails are intact and embedded in the ground. Prevent damage to or loss of magnetic nails.

8.2 Installation of Charging Pile

- The charger and charging pile are placed in a ventilated, rain-sheltered and dry place;
- The circular plug and square gray Anderson connector at the rear of the charger are respectively connected to the circular socket on the charging pile and the gray square structure;
- The bottom of the charging pile bracket can be fixed to the ground with expansion bolts.

!	**Note**: As the input voltage may vary according to the local laws and regulations, you are advised to check the detailed parameters with Sveaverken engineers.

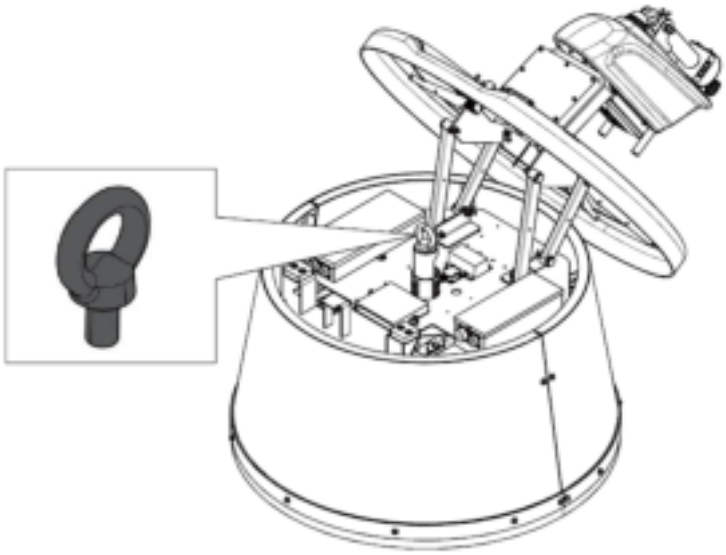
8.3 Commissioning

Plan the travel routes of the robot on the website.

!	**Note**: The installation and commissioning must be performed by Sveaverken authorized engineers.

8.4 Loading and Unloading

Use the hoisting eye to hoist the robot during loading and uploading. After that, remove the hoisting eye and lock the top cover.



9 Maintenance

Refer to the following table for the preventive maintenance schedule.

Task	Interval			
	7 Days	20 Days	30 Days	3 Months
Check for oxidation corrosions on the charging connectors of the robot and the charging pile.		▲		
Check the wire connections in the robot.			▲	
Check and clean the magnetic nails.				▲
Check and clean the camera.	▲			
Test the indicators.				▲
Test the light.				▲
Test the emergency stop button.				▲
Check for abrasions or damages on the rubber.				▲
Check the drive wheels.				▲
Check the universal wheel				▲

!	**Note:** You may determine your maintenance interval depending on the farm environment and the robot operations. If maintenance cannot be performed on your own, contact your local dealer.

10 Spare Parts

Name	Qty.
Universal wheel assembly	1
Thin photosensitive plate, universal wheel	1
Drive wheel	2
Drive shaft	2
Vision box	1
Sensor photosensitive plate	1
Light	1
Contactor	3
Fuse	1
Fuse	1
Light bracket	1
Warning light	1
Wheel motor	2
Magnetic navigation sensor	2
Gyroscope	1
Note: You may contact your local dealer to purchase the parts.	

11 Transportation and Storage

- Disconnect the robot from the power supply before transportation or storage.
- Handle the robot with care during transportation to prevent damage.
- Avoid collision and squeezing during transportation.
- Store the robot in a dry and ventilated environment at a temperature of 25±3°C and a humidity of 65±20%. Avoid direct sunlight.
- Keep the robot away from flammables, explosives, and do not store it with metal objects.
- Use the hoisting eye to hoist the robot during loading and unloading.
- If the robot will not be used for a long time, ensure that its battery level is around 50% before storage and charge it every two months to avoid failure caused by over-discharge.

12 Noise declaration

According to the field test, the noise generated by the machine during normal operation is 66.1dB. The noise level does not exceed 78dB.

13 Troubleshooting

Fault	Cause	Solution
The website is not connected to the robot.	The PC or mobile device is not connected to the specified Wi-Fi network.	• Enable Wi-Fi on the PC or mobile device. ▪ Check the Wi-Fi settings of the PC or mobile device.
	The PC or mobile device is not connected to the robot.	• Connect the PC or mobile device to the robot.
	The robot is powered off.	• Power on the robot.
The robot does not move.	The robot is powered off.	• Power on the robot. ▪ Start operating.
	An obstacle stands on the traveling route.	• Remove the obstacle.
	Magnetic nails lose magnetism or are damaged.	• Check and replace magnetic nails.
	The battery is low.	• Manually control the robot to go to the charging pile.

Fault	Cause	Solution
		• Manually start charging.
	The emergency stop button is pressed.	▪ Reset the emergency stop button.
The robot swings or makes improper turns.	The gyroscope is drifting.	• Replace the gyroscope.
	The camera malfunctions.	• Clean the camera. • Test the robot.
The robot does not work.	No task is assigned.	• Assign a task on the website.
Charging failure	The charger is not connected to the power supply.	• Connect the charger to the power supply.

If the fault persists, or other faults occur, contact your local dealer.

14 Waste Disposal

This product contains metals and electronic components. Any waste (including packaging materials, metal parts, and electronic components) shall be disposed of in accordance with local laws and regulations for environmental protection.

15 After-sales Service

- Sveaverken assumes no responsibility for any consequences resulting from users' failure to follow safety instructions.
- Sveaverken assumes no responsibility for any consequences resulting from users' failure to work under the required conditions.
- Sveaverken assumes no responsibility for any consequences resulting from artificial damage to the robot.

16 FCC

16.1 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 minimum distance 20cm between the radiator & your body.

16.2 FCC 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.

Note1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

17 Manufacturer

Manufacturer: Sveaverken Svea Agri AB

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