

Movable Floor Systems

PIONEER YOUR POOL FUTURE.



AQUALEE

POOL TECHNOLOGY

About Aqualee

AQUALEE, a new brand of DAISY POWER, stands as an independent innovator in the pool cover industry.

With a legacy of innovation, we're not just keeping pace with the market but setting the standard.

Our latest breakthrough is this control system, which is as versatile as it is advanced and capable of handling single to multiple motor configurations with synchronized precision.

As the pool cover sector awaits a new wave of integrated solutions, AQUALEE is at the forefront, ready to infuse the market with innovative ideas.

Experience the future of pool technology with us, where innovation is not just a goal but a way of life.

Milestone

2017

Daisy Power was founded, marking the beginning of our journey

2019

Started producing motors above-ground & submersible

2021

Began manufacturing tri-extrusion polycarbonate profiles

2024

Launched AQUALEE with the control system and Lumina series

Technology and Design

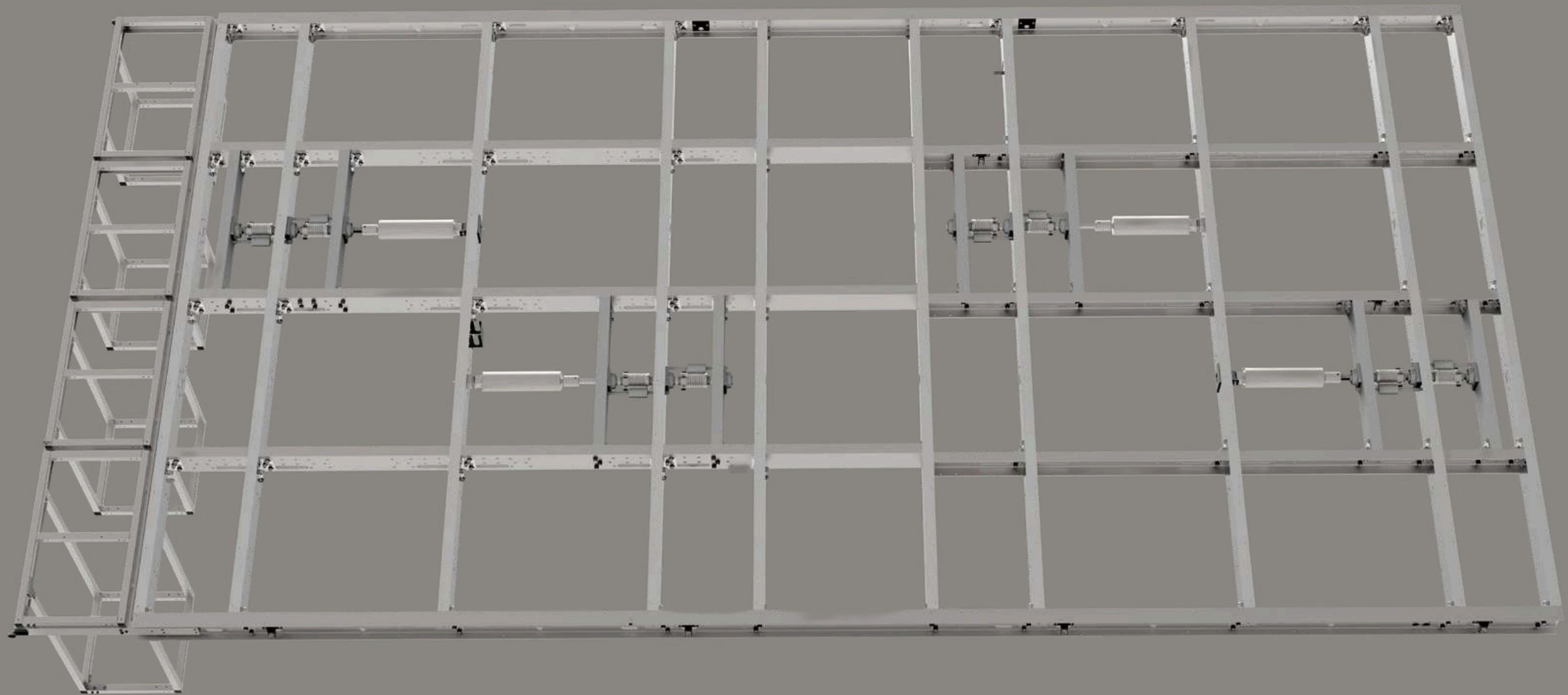
Aqualee movable floor structural and mechanical elements are based on durable stainless steel, driven by DC motors with a torque of 900 N·m.

Most traditional movable pool floors operate with cable and pulley systems beneath the floor, powered by hydraulic rams or single motors. In contrast, our structure is much more straightforward, easy to operate, and offers flexible modes. It supports dual and quad motor configurations, enhancing stability and creating more possibilities for movable floor projects.

The load-bearing capacity of our movable floor structure can range from 60 kg/m² to 200 kg/m² according to clients' different needs. Our intelligent algorithm system can meet a variety of your needs, offering both group adjustments and individual motor tuning, which is the true value of a tailored solution.



Platform Structure



* This structure is for reference only.

Structure Benefits

E.A.S.Y. Highlights to See But Not Easy Achievements



- **E**asy Maintenance

There will be an **inspection port** on top of each motor for easy access to the motor and junction box.

In a four-motor control system, if one motor fails, the remaining three motors can temporarily raise the platform without significant downtime.

- **A**adjustable Leveling

In our system, multiple units can be linked to the same control system, operating in perfect synchronization. It also supports individual adjustment, enabling more precise leveling, which saves you from manual inspection and repair processes.

- **S**table Operation

Due to the synchronized operation of the four motors, the system can maintain level lifting even if one of the motors has a different load.

- **Y**ielding Cost-Effectiveness

Cost-Effective and Safe DC Motors: DC motors are more affordable and stable compared to hydraulic systems, which are costly, require frequent maintenance, and pose a risk of oil leaks that could contaminate pool water.

Control System

Navigation Menu



Home

Real-Time Insights

- Animation to check movable floor conditions
- Internet Location services
- Live weather & time



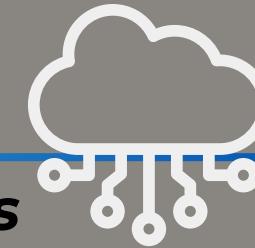
Settings

Input/Output Setups

- Relay settings
- Auto/Manual Mode
- Soft Open & Close
- Cloud Error Diagnostics

Cloud Error Diagnostics

Our advanced cloud services enable each distributor to manage the products they sell online. Distributors can view system logs for each product and access all error information. This feature assists distributors in diagnosing and troubleshooting issues, ensuring that any problems are resolved promptly and effectively



Control Panel



Equipment

Device Sync: Connect and Customize

- Position Sync setting & single motor adjustment
- Support Modbus Over RS485, Wi-Fi, Bluetooth, Zigbee...
- IOT Integration



Home Screen



More

Personalization and Upgrades

- **Triple-Layer Security**
Digital password
Facial (**Local processing**) *
Voiceprint
- OTA Updates

Simplified Setup and Operation

Group settings

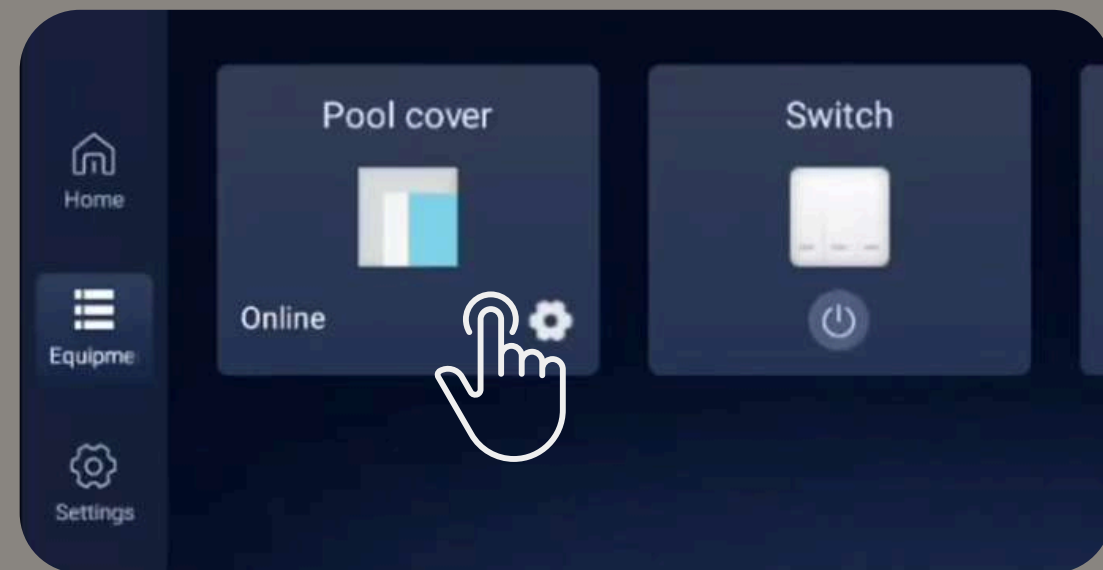


Figure 1

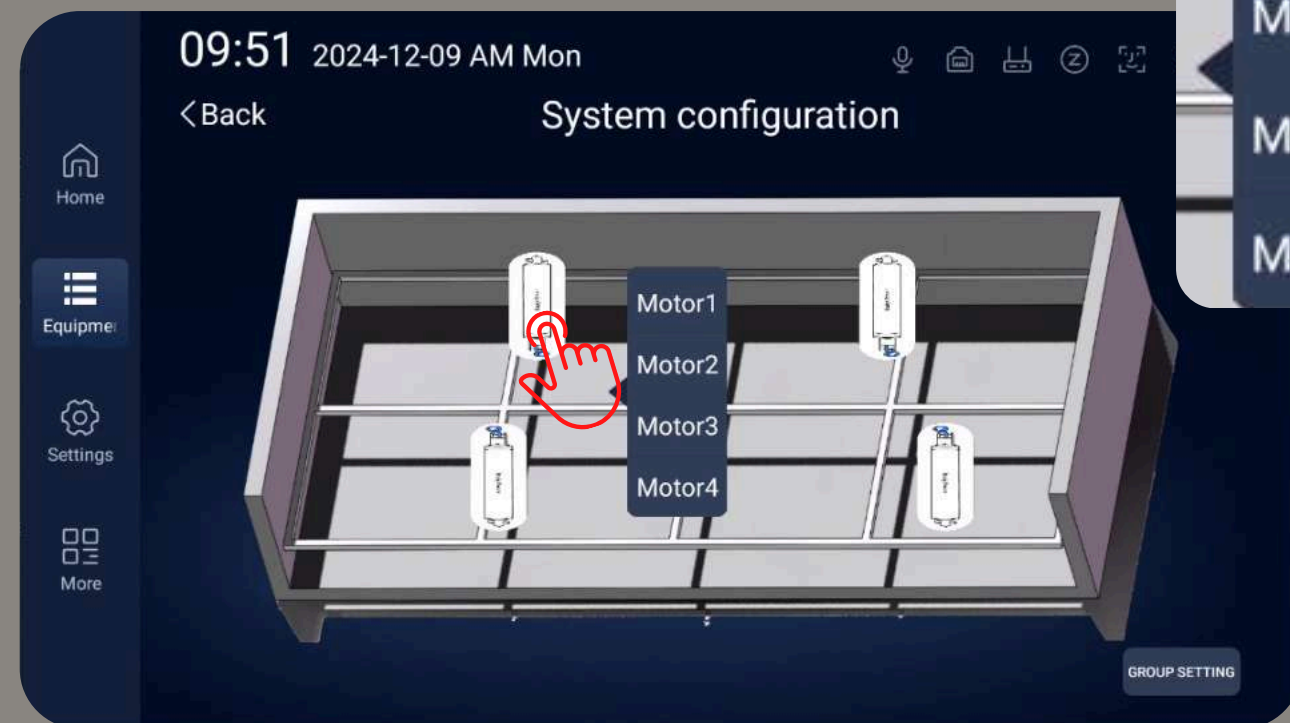


Figure 2

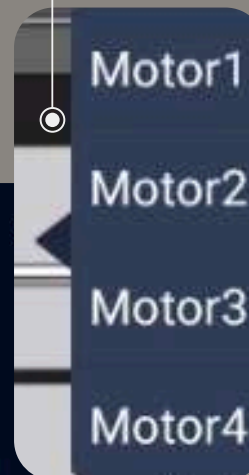
Step1 Match the motor

Step2 Select motor type

Step3 Set Open/ClosePositions

Step4 Confirm the set value

Step1



Group setting

Step2

Moveable floor(601900S)

Current position: 32088

Full open position: 46706

Full closed position: -22196

CONFIRM

Step4

CONFIRM

Open

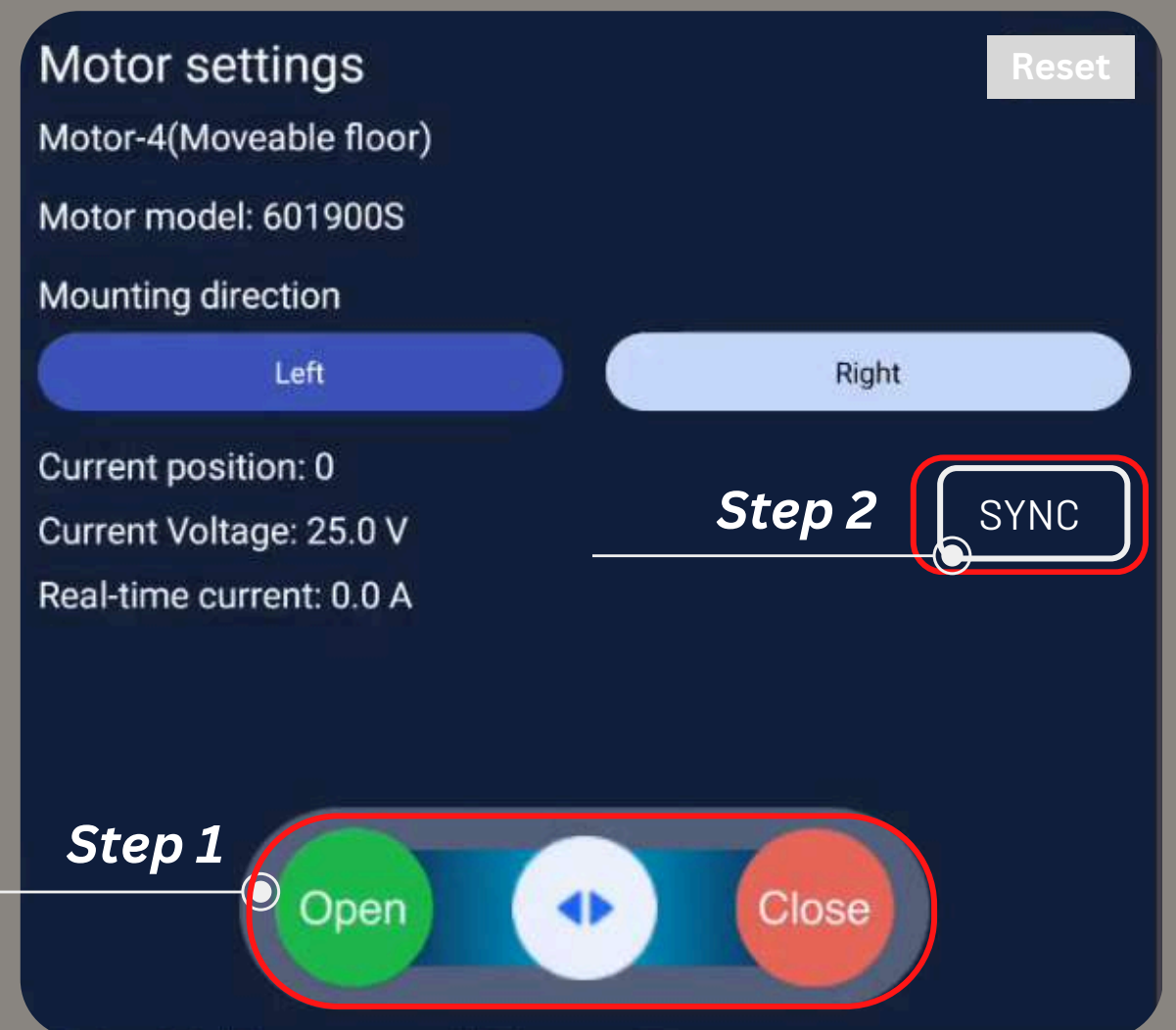
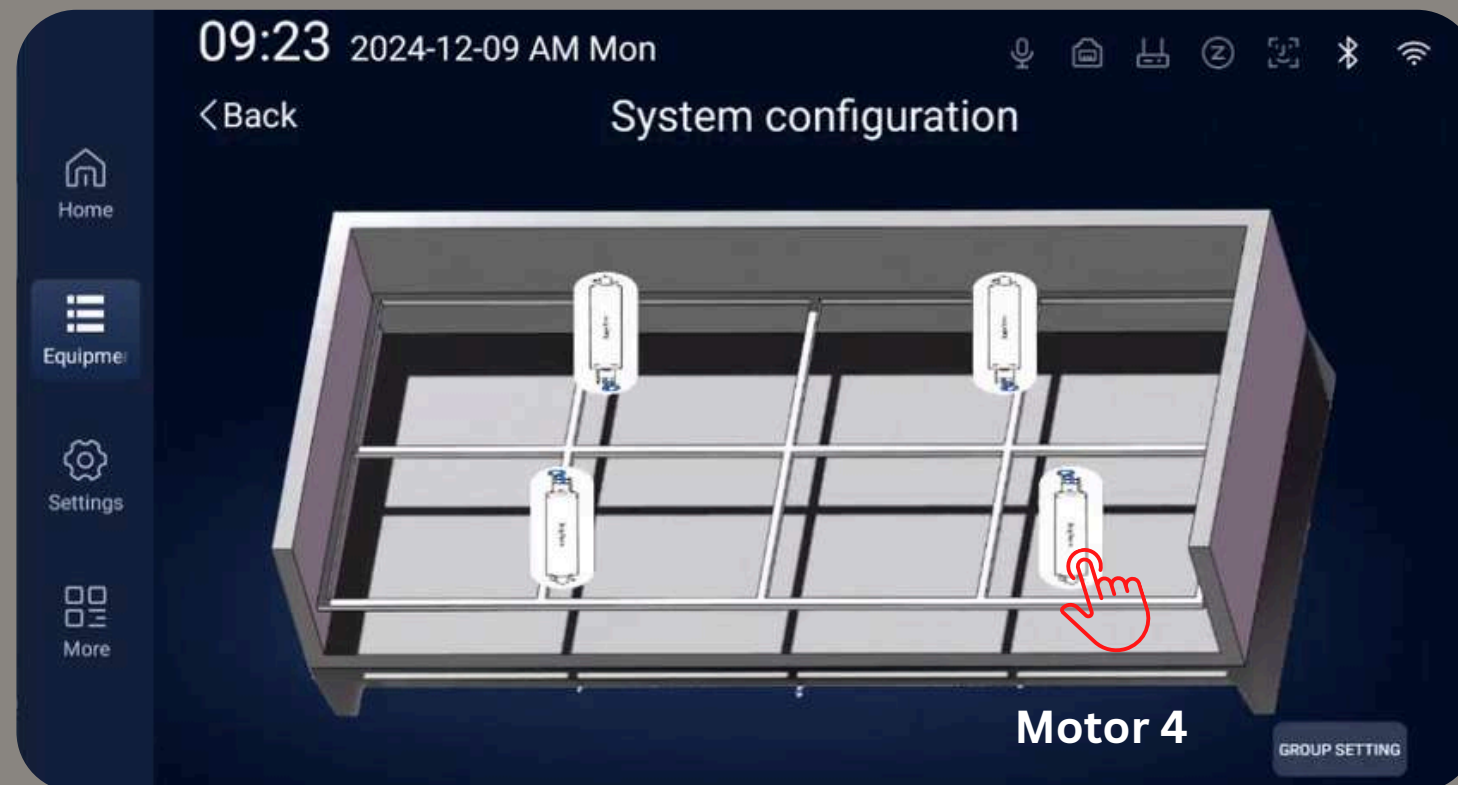
Close

Step3

Single motor settings

Step1 Slide to adjust the discrepancy

Step2 Tap the SYNC button to synchronize adjusted position



Operation Interface

By tapping on the **live animation image** on the home page, users can enter the operation interface to open or close the movable floor according to pre-set positions.



motor	runningFlag	position	speed	progress	voltage	current
1	Stopped	-1088	0	46	25.0 V	0.0 A
2	Stopped	-1089	0	46	25.0 V	0.0 A
3	Stopped	-1088	0	46	24.9 V	0.0 A
4	Stopped	-1088	0	46	25.0 V	0.0 A

Real-Time data table



Water level sensor

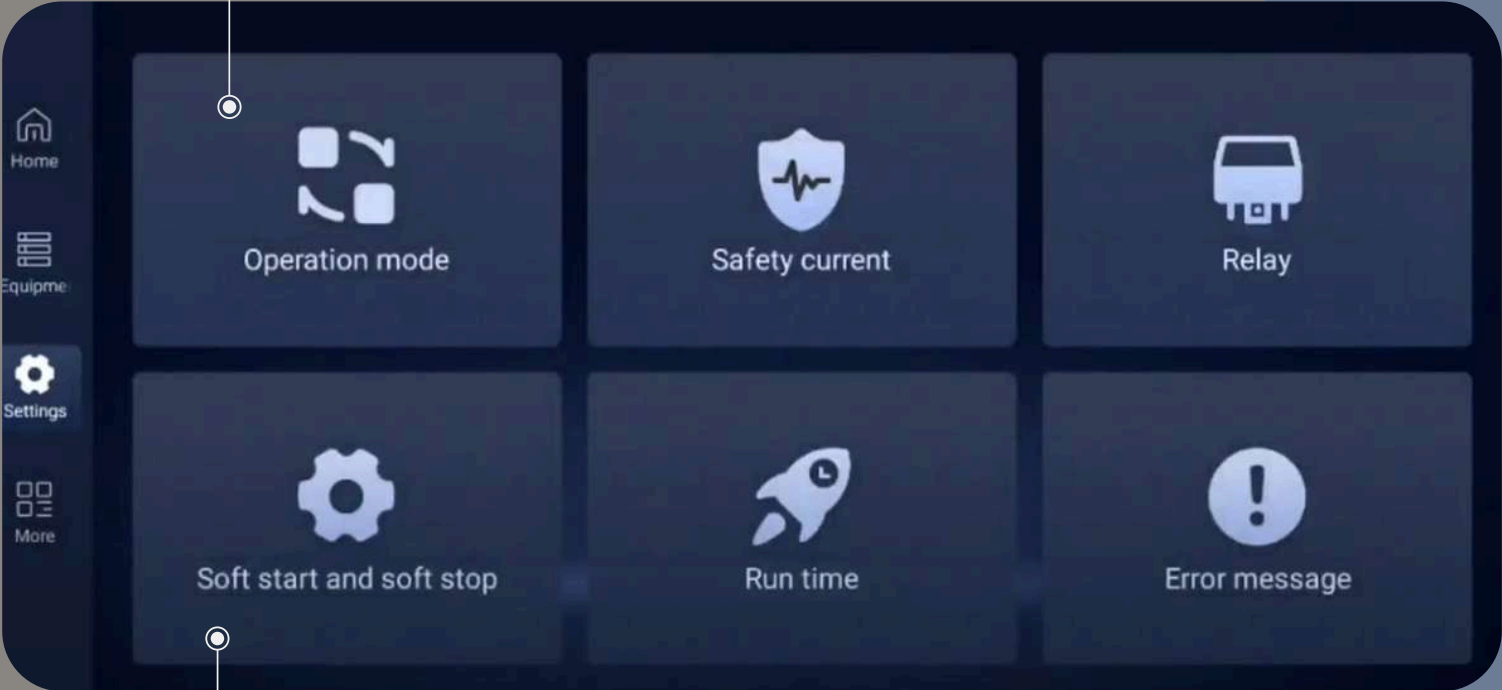
Slider control bar



Settings Dashboard



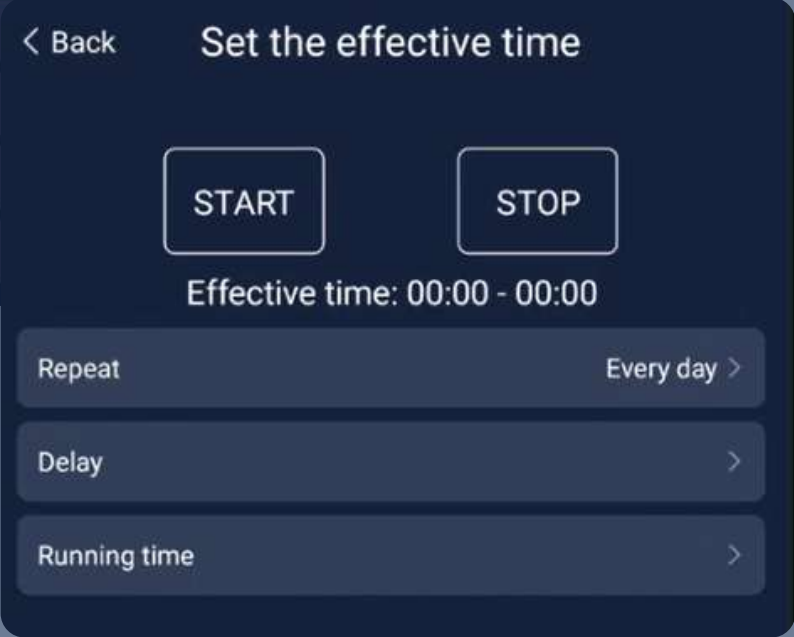
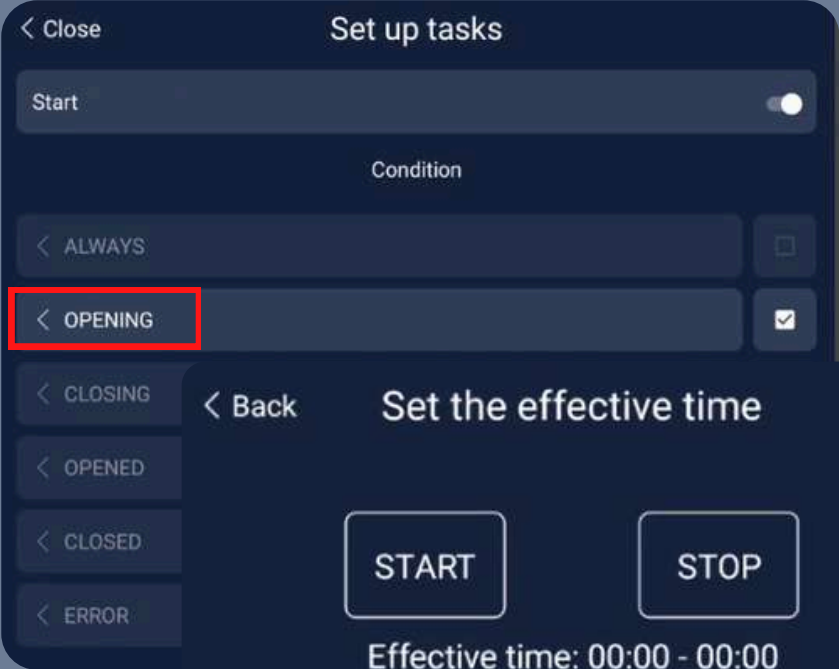
Switch Between Automatic and Manual Modes



Speed & Distance Adjustments



Capable of supporting 8 to 32 relays
Six Condition Selections



More Flexible Time settings

More Dashboard

Support Seven Languages



OTA Updates



Current Position Clearance
Restore Factory Settings

Advanced Password Safeguards



Dedicated Mobile App

Manage your devices remotely with our mobile app. Switch seamlessly between Safety and Auto modes, and update with a single tap online.



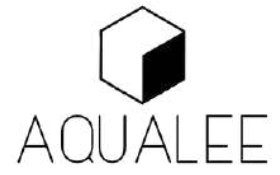
One Touch, Total Control





Comprehensive Warranty Coverage

- Control System Tablet: - 1 Year Warranty
- Control Box: - 2 Years Warranty
- Motors: - 5 Years Warranty



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