



iGarden Swim Jet P&M Portable Series

User Manual

Content

1. Warnings and Important Safety Instructions	1
2. Recommended Installation Environment	3
3. Specification	5
4. Configurations and Diagram	1
5. Installation Process	3
6. How to Use Swim Jet	9
7. How to Use the Remote	16
8. APP Control	19
9. Device Care and Maintenance	24
10. Failure and Protection	25
11. FAQ & Solutions	28
12. Disposal	28
13. Warning	28

1. Warnings and Important Safety Instructions

Please read and follow all instructions before installation:

Always read this manual and follow all safety instructions before installing or using this device, and keep this manual in a safe place.

1.1 When installing and using the Swim Jet, please follow the below safety rules:

 WARNING	WARNING: Possible damage to equipment and property
 DANGER	DANGER: May cause personal injury

1.1.1 Electrical safety instructions

 **WARNING** WARNING: Check the Jet, power box, and cable wires for signs of damage or wear before use. If any problems are found, stop using the device and contact the dealer for repair or replacement.

 **WARNING** WARNING: Do not operate the power box without fully understanding the possible consequences of incorrect operation.

 **WARNING** WARNING: Before starting the device, make sure there is no accumulation of water where the power box is placed. There is no risk of splashing water during subsequent operation. It is prohibited to use the power box in rain or humid environment.

 **WARNING** WARNING: Please disconnect the power supply when not in use for a long time.

 **WARNING** WARNING: Warning: Do not charge continuously for more than 24 hours.

 **DANGER** DANGER: It is prohibited to charge the power box within 3.5m of the swimming pool, and it is prohibited to charge the power box while using the Jet.

 **DANGER** DANGER: If you find any bulging, deformation, leakage, overheating, strong smell, smoke or sparks in the power box, stop using it immediately and place it in an open area, and seek professional help.

 **DANGER** DANGER: Do not put the Jet cable plug into water, and do not touch the plug of the power box or the Jet with wet hands.

 **DANGER** DANGER: It is prohibited to disassemble the power box in any way or puncture it with sharp objects. It is prohibited to use wires or other metal objects to short-circuit the batteries in the power box.

 **DANGER** DANGER: When performing maintenance or inspection work on the Jet, the power supply must be strictly disconnected.



DANGER: If water is found inside the power box, it must not be used or turned on again. Please take measures to prevent electric shock before touching the device. Please leave it in a safe and waterproof open area immediately and contact the dealer immediately.

1.1.2 General safety instructions



WARNING: Make sure that there are no obstacles around the Jet and it is fully submerged before powering on.



WARNING: Do not insert any abnormal matter into the water outlet.



WARNING: Please promptly clean up abnormal objects attached to the suction holes and outlets of the host casing, such as leaves, paper, garbage bags and other obstructions.



WARNING: Do not run the Swim Jet if there is ice in the pool.



WARNING: Avoid placing fragile objects around the Jet.



WARNING: Wear labor protection gloves during installation.



DANGER: Before starting, please make sure that no one is staying near the water inlet and outlet areas of the Swim Jet.



DANGER: Personnel are prohibited from exerting pressure on the Swim Jet such as sitting, stepping on, or stepping on it, to prevent device damage and ensure personal safety.

1.1.3 User safety instructions



DANGER: It is recommended that swimmers wear swimming caps and goggles during the use of Swim Jet.



DANGER: Consult a doctor if you are unwell before use. If you experience chest pain or tightness in the chest, shortness of breath or feel dizzy while using, stop exercising immediately.



DANGER: Do not dive near the Jet to avoid unexpected accidents.



DANGER: This device should not be used after ingesting alcohol or drugs that affect cognition and reflexes.



DANGER: Persons with reduced physical/sensory or mental capabilities are prohibited from using this device unless under the supervision of a qualified professional.



DANGER: Users with chronic diseases, implanted medical devices, or those on long-term medication please consult a physician before operating the device.

1.2 Children safety:

- Children under 8 years old are not allowed to use this device.

- Minors aged 8 years and above should use this device under adult supervision.

2. Recommended Installation Environment

- Recommended installation depth of the Jet (center of Jet from the water surface): 250mm (need to ensure that the Jet is completely immersed in the water)
- Power box charging temperature: 0°C to +43°C; operating temperature: -20°C to +43°C.
- Operating water temperature of the Jet: +5°C~ +40°C.

It is the responsibility of the Swim Jet user to provide suitable conditions to ensure the optimum life cycle of the device.

To comply with the warranty conditions, the user should maintain the water quality to following level:

- pH value: 7.0-7.8
- Bound Chlorine: ≤ 0.5 mg/l
- Free chlorine: 0.3 mg/l to 2.0 mg/l
- Cyanuric acid: ≤ 100 mg/l
- Salt concentration: $\leq 0.4\%$ (4000 ppm)
- Metal content: ≈ 0 mg/l
- Carbonate hardness: $\geq 2^\circ\text{dH}$
- Ozone (O₃): 0 mg/l
- Total chlorite and chlorate: ≤ 30 mg/l
- Oxidation reduction potential (ORP): ≥ 700 mV

Non-intended use

- Not for use in potentially explosive areas.
- Not suitable for harsh environments that contains gases, acids, vapours, dust and oils.
- Not for sewage.

2205 Duplex Stainless Steel Instructions

The core components of this Swim Jet brackets are crafted from 2205 Duplex Stainless Steel. Known for its exceptional corrosion resistance, 2205 duplex stainless steel is widely utilized in demanding environments such as marine engineering and aerospace. While this material offers superior performance, proper maintenance is essential to significantly extend the device's lifespan.

Recommendation:

1. Thoroughly clean all 2205 duplex stainless steel components to remove any construction debris after installation and before filling the pool with water.
2. Maintain the pH, salinity, and chlorine levels of your pool water within the standard range. Harsh water conditions can damage metal components or shorten the service life of the pool and its equipment.
3. Do not use hydrochloric (muriatic) acid to clean the concrete or tiles surrounding the Jet. If acid comes into contact with the stainless steel, rinse and neutralize it immediately.
4. Do not use carbon steel wool or wire brushes to clean the stainless steel.
5. During pool shock treatments or disinfection, the Swim Jet should remain in operation until chlorine levels return to normal.
6. If the pool water level drops and exposes the Jet to air, rinse the surface with fresh, clean water, or wipe it down using a sponge or lint-free cloth dampened with fresh water.
7. Do not use strong mineral acidic, oil-based cleaners, or waxes. Minor stains can be removed with a damp cloth, vinegar, or ammonia-based cleaners (such as window and surface cleaners).
8. Pool chemicals must never be added directly into the Swim Jet.

3. Specification

Swim Jet P-H Series Specific Technical Parameters			
Model	P240-H10	P200-H6	P160-H4
Input power	1150W	900W	650W
Maximum Outlet speed	4.2m/s	3.5m/s	2.9m/s
Max flow rate	240m ³ /h	200m ³ /h	160m ³ /h
Battery Duration (100% flow rate)	1.5h	1.0h	1.0h
The max battery Duration	10h	6h	4h
Swim Jet M-H Series Specific Technical Parameters			
Model	M230-H10	M180-H6	M120-H4
Input power	1150W	800W	500W
Maximum Outlet speed	4.0m/s	3.3m/s	2.8m/s
Max flow rate	230m ³ /h	180m ³ /h	120m ³ /h
Battery Duration (100% flow rate)	1.5h	1.0h	1.0h
The max battery Duration	10h	6h	4h

Power Box				
Battery specifications	Battery Capacity	72Ah	45Ah	30Ah
	Battery Type	Lithium Iron Phosphate		
	Battery Energy	1843.2Wh	1152Wh	768Wh
	Charging Time	3.5h	2h	1.5h
	Protection Rating	IP65		
Ambient temperature	Charging Temperature	0~43℃		
	Operating temperature	-20~43℃		
	Storage temperature	-10~45℃		

Jet		
Basic parameters	Dimension	357*275*364mm
	Cable Length	3m
	Suitable Pool Size	≥2.5m x 4.5m
	Protection Rating	IP68
Ambient temperature	Operating temperature	5-40℃
	Storage temperature	-10~45℃

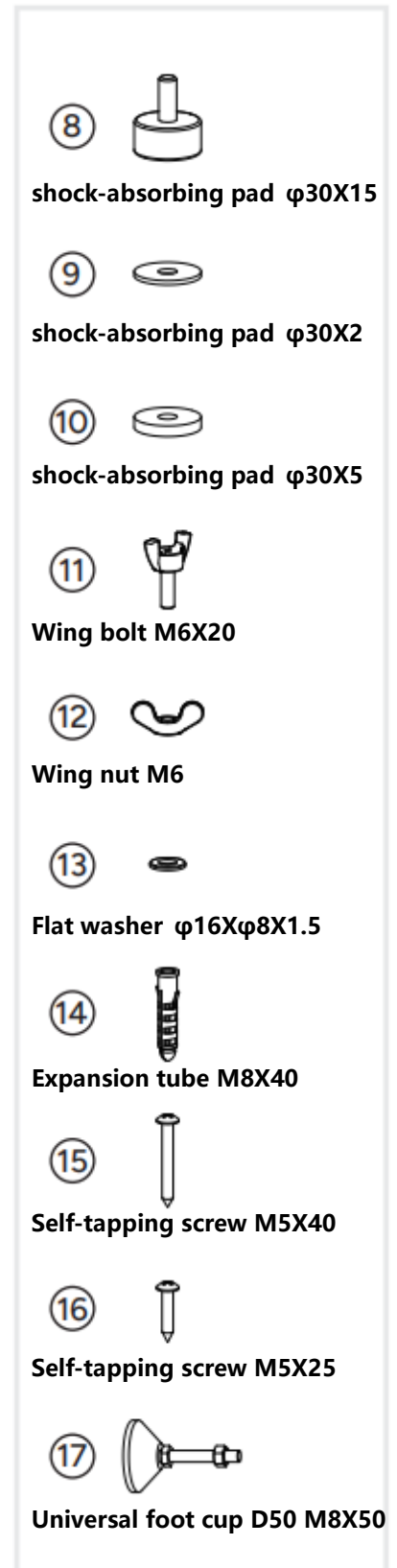
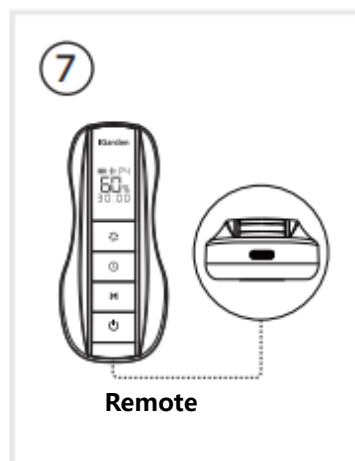
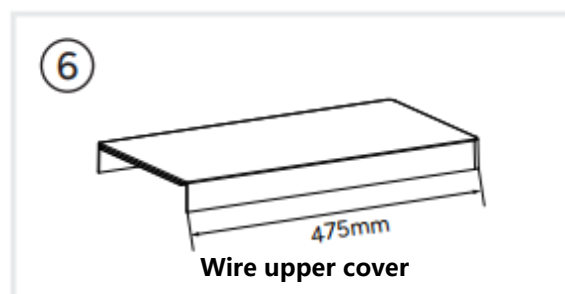
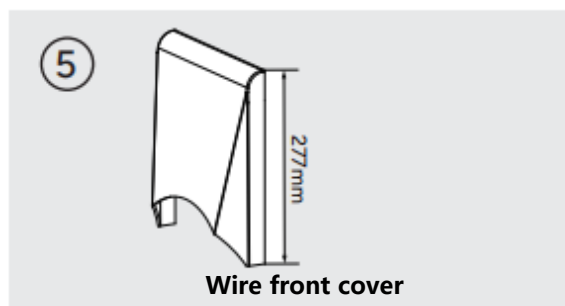
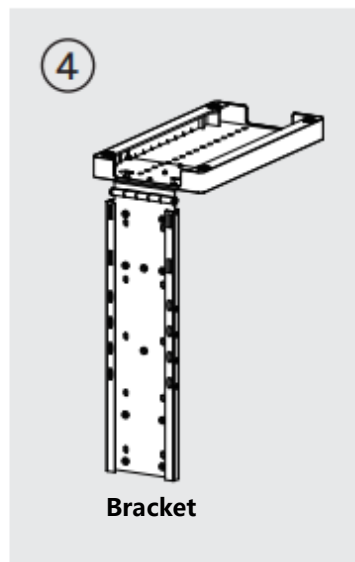
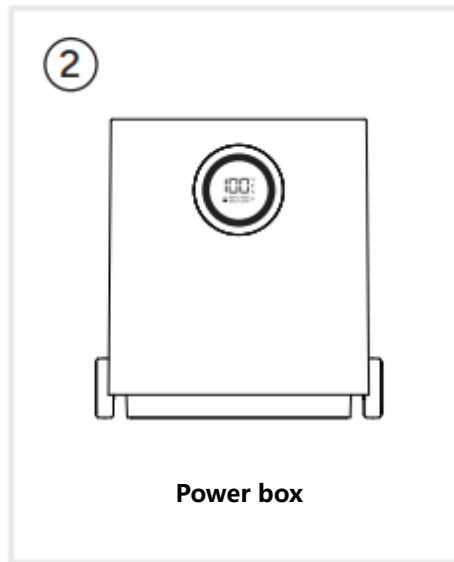
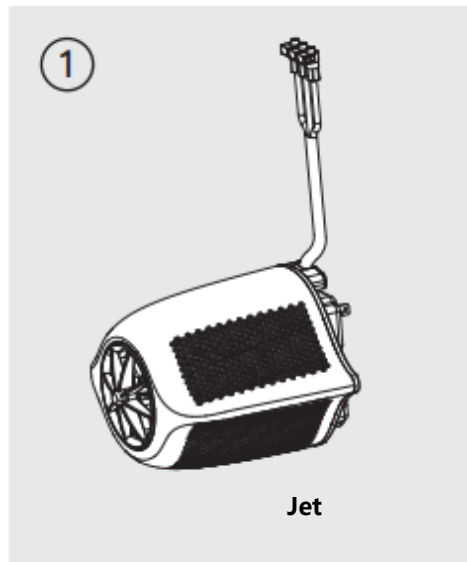
Charger			
Basic parameters	Cable Length	5m	
	Input Voltage	100V~240V	
	Input Frequency	50Hz/60Hz	
	Charging power	580W	438W
	Protection Rating	IP67	

4. Configurations and Diagram

4.1 Configurations

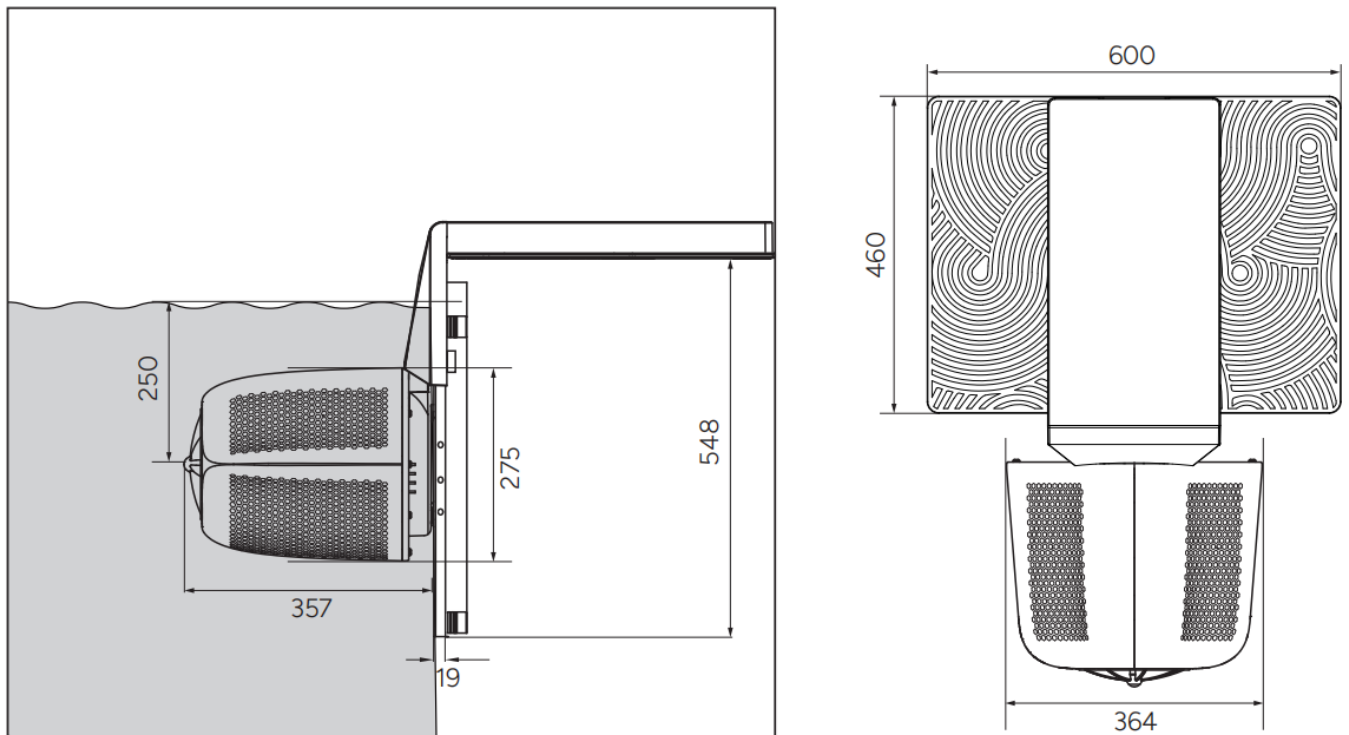
SN	Description	Quantity
①	Jet	1
②	Power box	1
③	No-drill mounting plate	1
④	Bracket 2205	1
⑤	Wire front cover ASA	1
⑥	Wire upper cover ASA	1
⑦	Remote	1
⑧	Shock-absorbing pad φ30X15 EPDM	4
⑨	Shock-absorbing pad φ30X2 EPDM	4
⑩	Shock-absorbing pad φ30X5 EPDM	4
⑪	Wing bolt M6X20 2205	2
⑫	Wing nut M6	6
⑬	Flat washer φ16Xφ8X1.5 2205	3
⑭	Expansion tube M8X40 PA66	4
⑮	Self-tapping screw M5X40 2205 (Cement floor)	4
⑯	Self-tapping screw M5X25 2205 (Wooden floor)	4
⑰	Universal foot cup D50 M8X50	1

4.2 Diagram

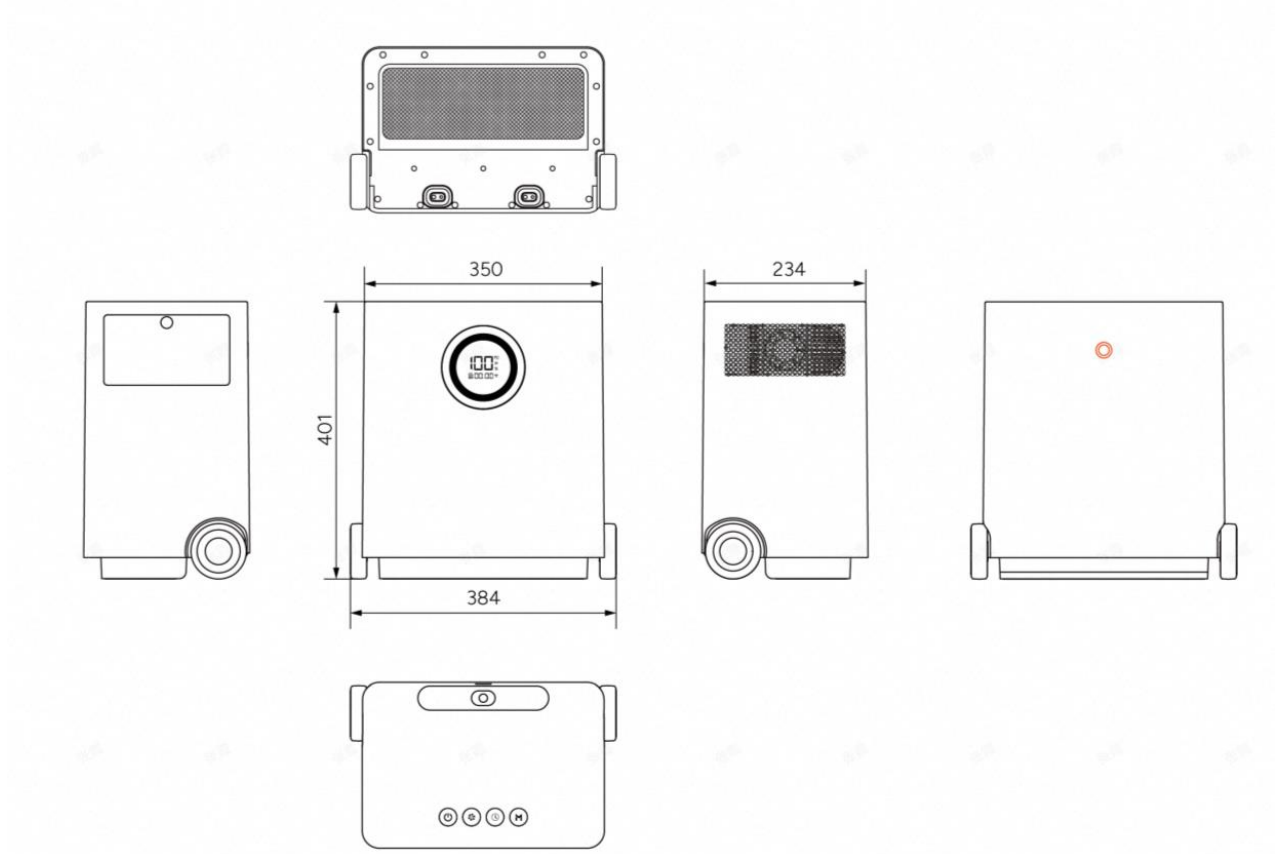


5. Installation Process

5.1 Jet structure diagram (mm)

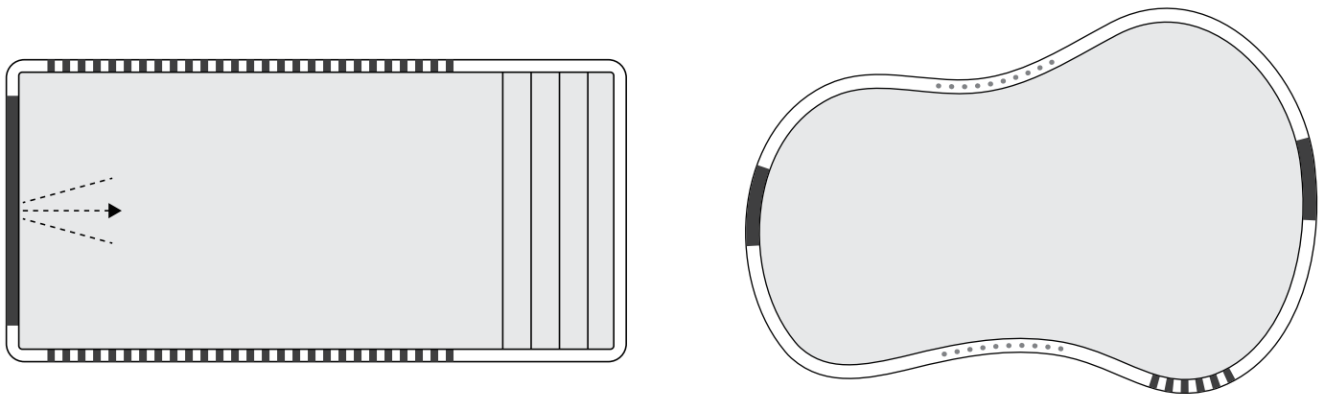


5.2 Power box structure diagram(mm)



5.3 Installation location

- Recommended location
- Optional location
- Not recommended location



5.3.1 The importance of symmetrical layout of surfers

In order to create the best swimming experience for users, the placement of the Swim Jet needs to be carefully considered during the design phase, especially relative to structural elements such as stairs and platforms. These ancillary structures may become "obstacles" to water flow and affect the user experience.

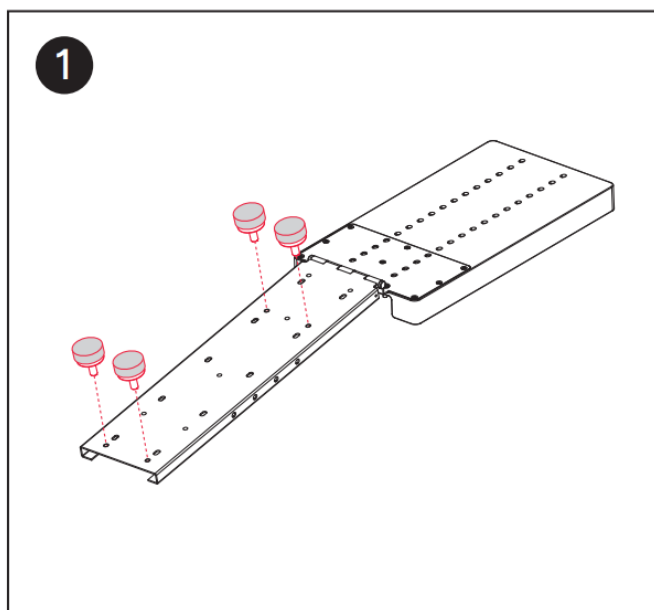
In a symmetrically designed swimming pool, in order to achieve the best water flow effect, it is recommended to place the Swim Jet in the center of the side wall of the swimming pool to ensure uniform and stable water flow. At the same time, this device is designed to be movable with lithium batteries, so users can flexibly adjust the position according to actual conditions to optimize the water flow experience.

5.3.2 Effects of blocked water circulation

For example, when stairs are installed in one corner of the swimming pool, the water circulation may be uneven, affecting the water flow on both sides. Although the Swim Jet is still capable of delivering strong water flow, users may experience instability or fluctuations in the direction of the water flow.

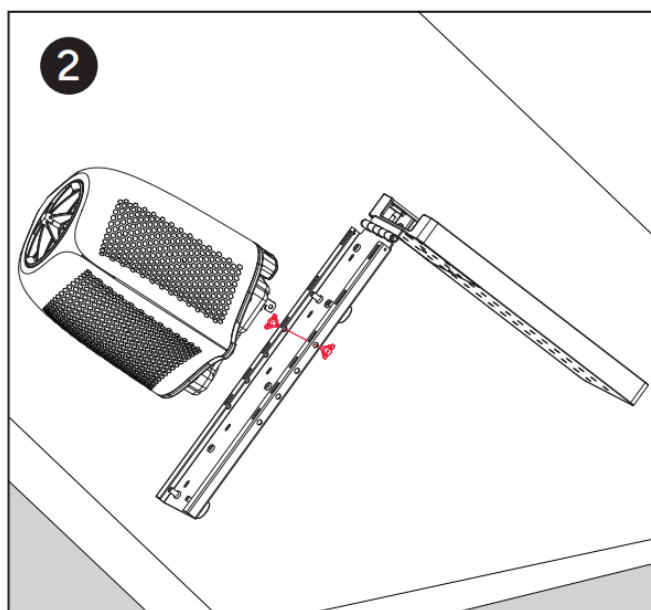
With its removable design, users can easily adjust the position of the Swim Jet to avoid obstruction of the water flow, ensuring the best swimming experience. Refer to the illustration above to determine the optimal installation location.

5.4 No-drill mounting plate installation instructions of Swim Jet



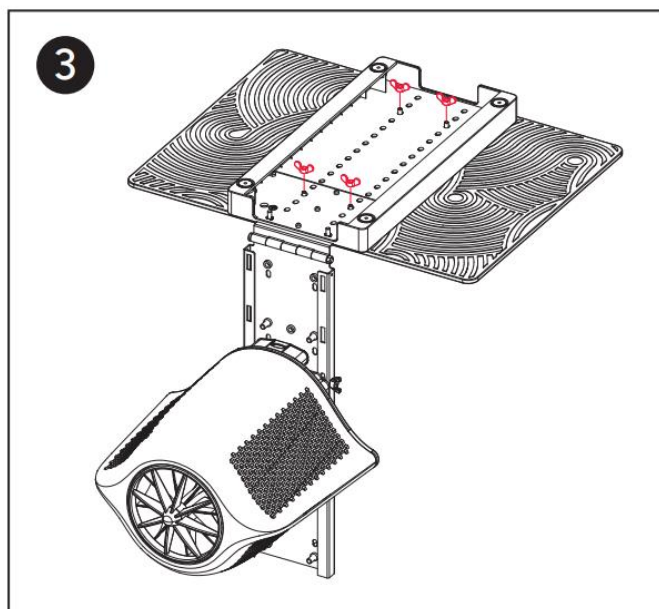
1. Note: Before installation, ensure that the ground at the installation location is dry, flat, and free of water and sand.

Install 4 *^⑧ Shock-absorbing pads $\phi 30 \times 15$ on the back of the bracket.

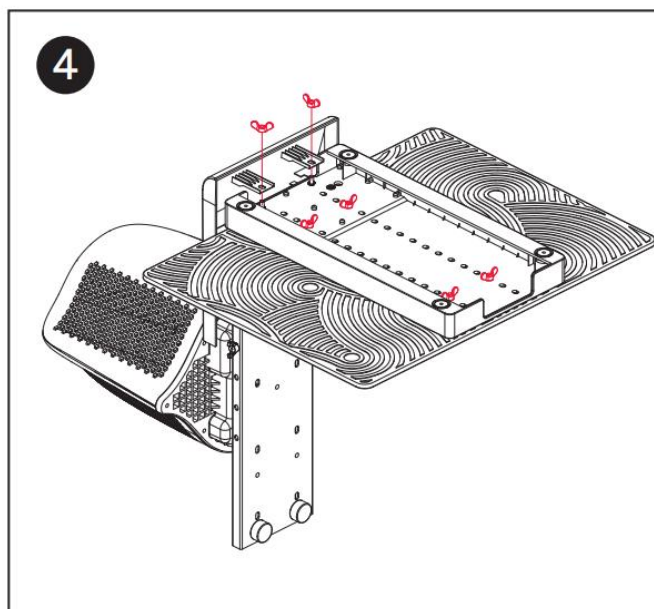


2. Align the Jet hook with the bracket opening to install.

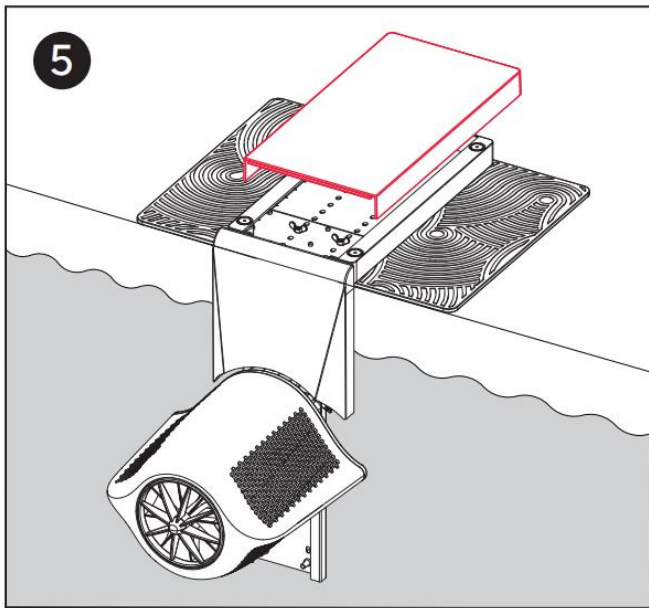
Tighten 2* ^⑪ Wing bolts M6X20 to fix the Jet.



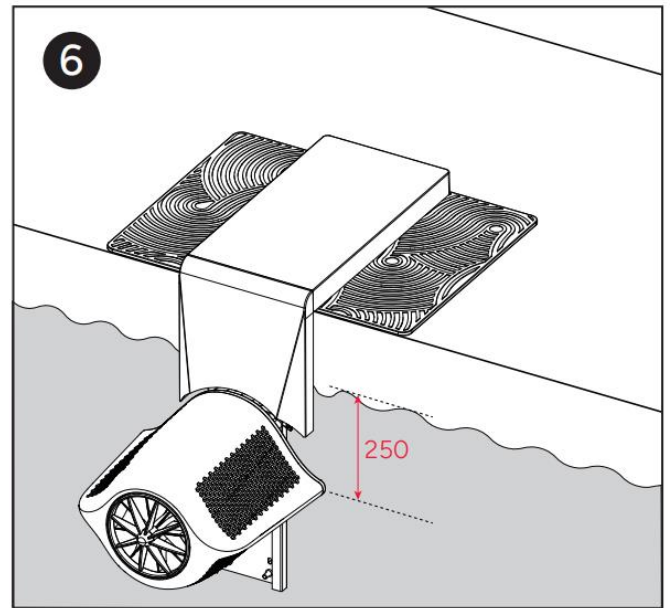
3. Use 4*^⑫ Wing nuts M6 to tighten to the ^③No-drill mounting plate studs.



4. Install the ^⑤wire front cover and lock it with 2*^⑫ Wing nuts M6.

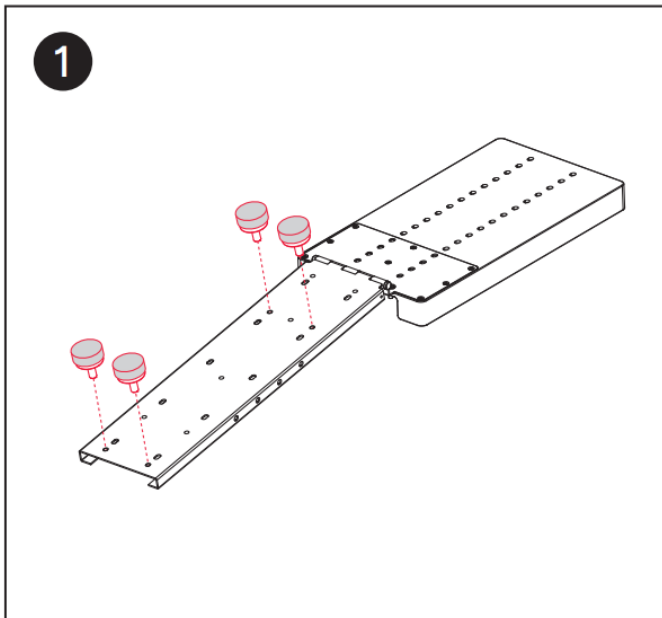


5. Fasten the ⑥ wire upper cover on the bracket and slide it to the magnetic position to complete the fixation.



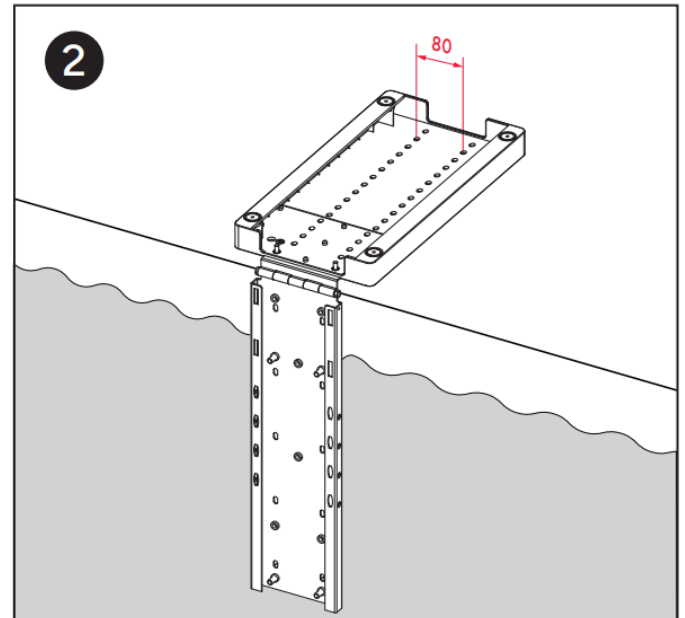
6. After the installation is completed, please ensure that the distance between the water surface and the center of the Jet is maintained between 250 and 300 mm. The optimal distance for installation is 250 mm.

5.5 Schematic diagram of fixed installation of Jet

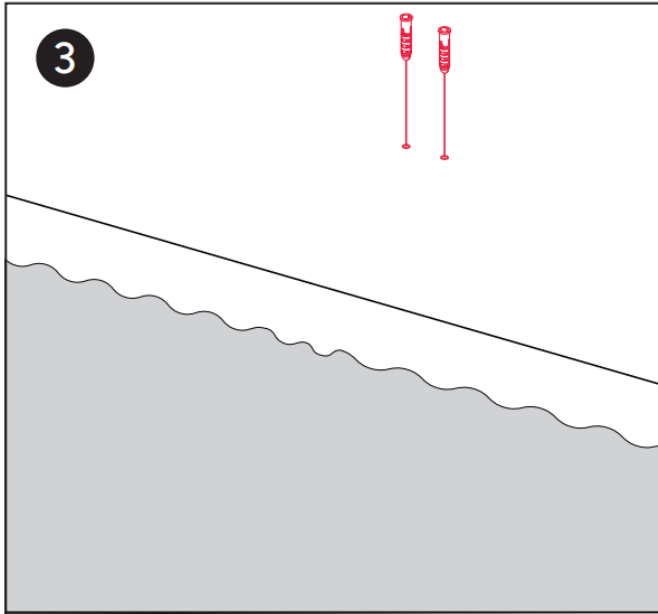


1. Note: Before installation, ensure that the ground at the installation location is dry, flat, and free of water and sand.

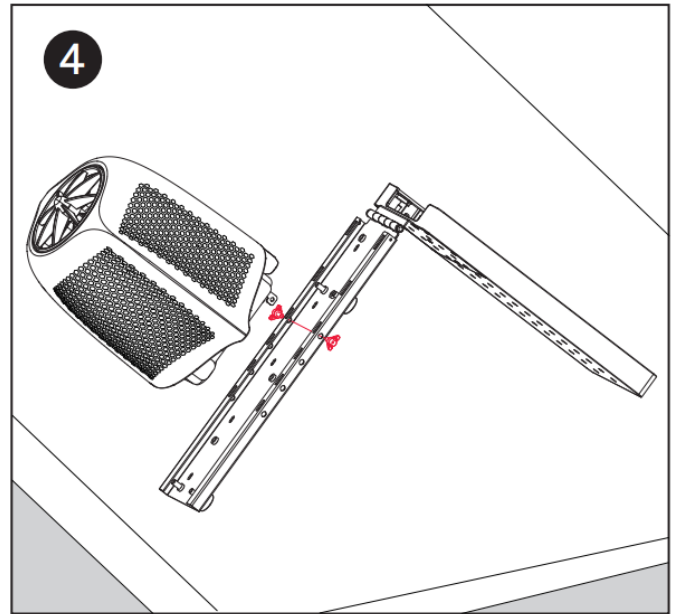
Install 4 *⑧ Shock-absorbing pads $\phi 30 \times 15$ on the back of the bracket.



2. Lay the bracket flat to the installation surface and mark the location of the installation holes.

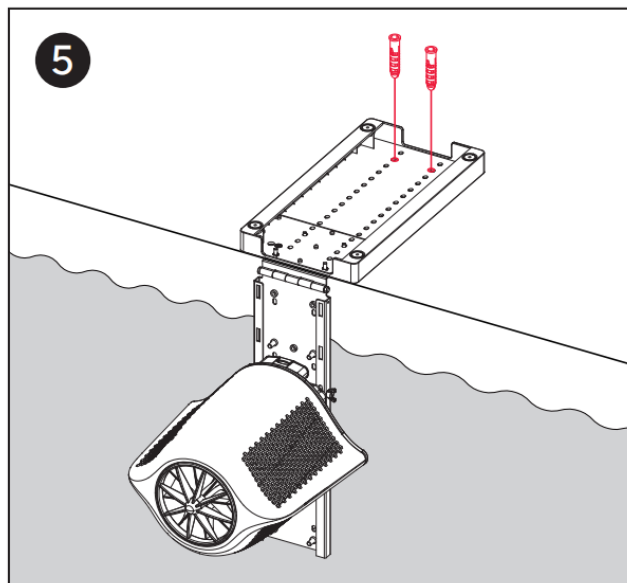


3. Drill holes according to the installation hole position. The recommended drill diameter is 8mm and the hole depth is 45mm. After completion, install the ⑭ Expansion tubes M8X40. Be careful to avoid wires, gas pipes and water pipes to avoid damage.



4. Align the Jet hook with the bracket opening to install.

Tighten 2* ⑪ Wing bolts M6X20 to fix the Jet.

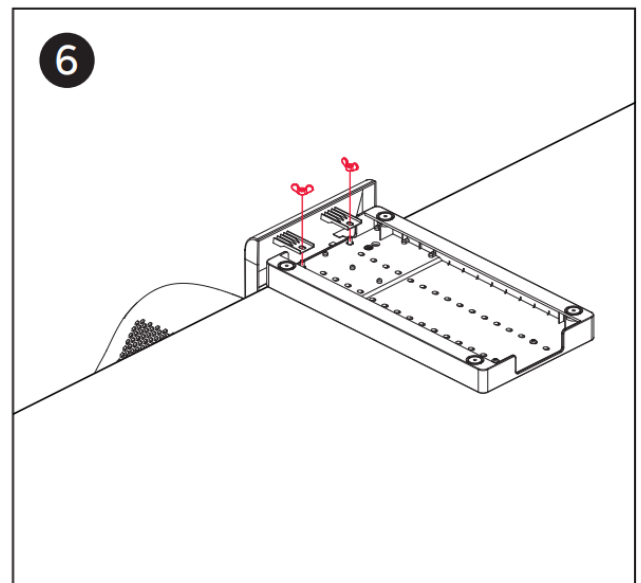


5. Place the Jet in the water, align the bracket holes with the expansion tube holes, and tighten ⑮/⑯ self-tapping screws and ⑭ Expansion tubes M8X40 to fix the bracket assembly.

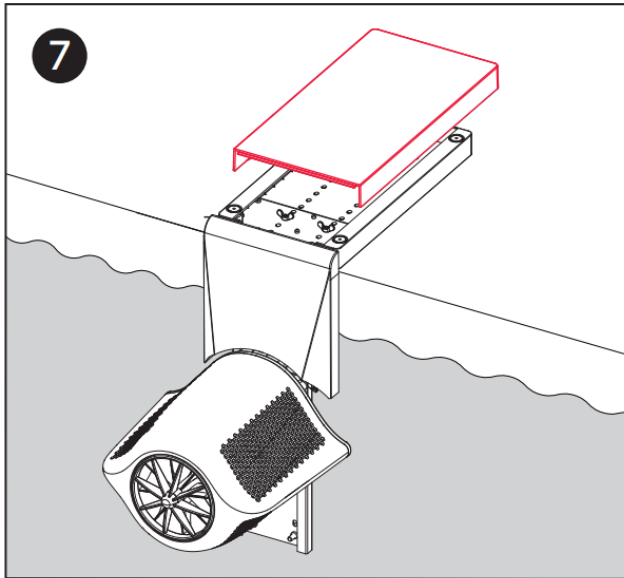
Note:

Self-tapping screw M5X40 2205 (Cement floor)

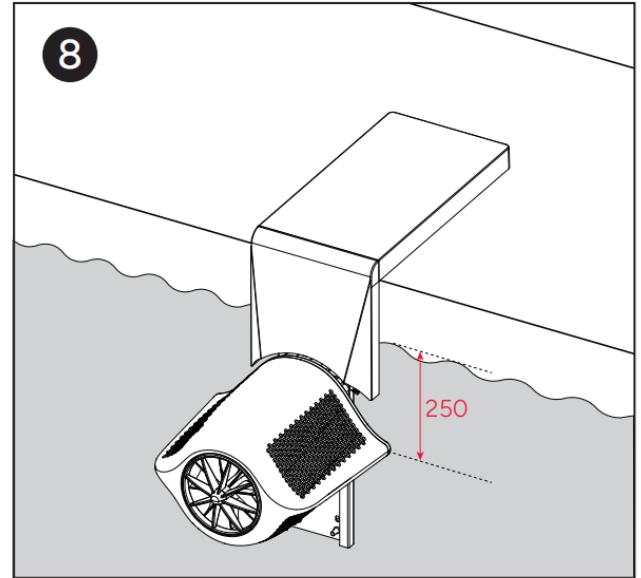
Self-tapping screw M5X25 2205 (Wooden floor)



6. Install the ⑤ wire front cover and lock it with 2 *⑫ Wing nuts M6.

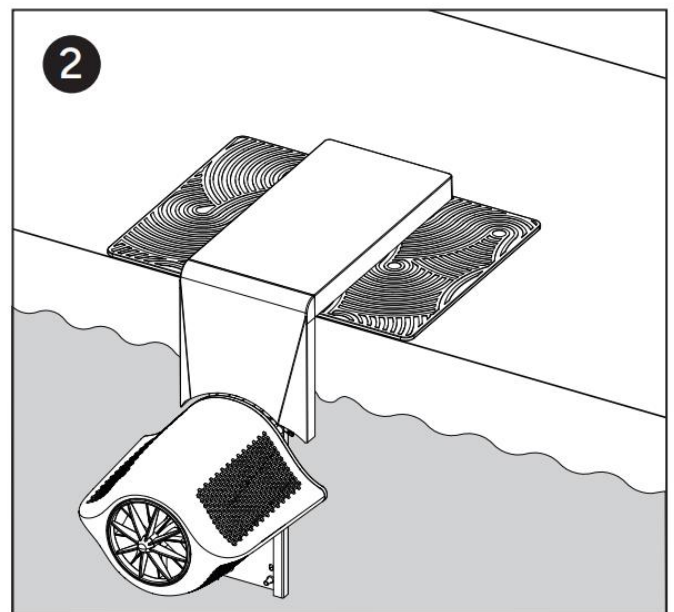
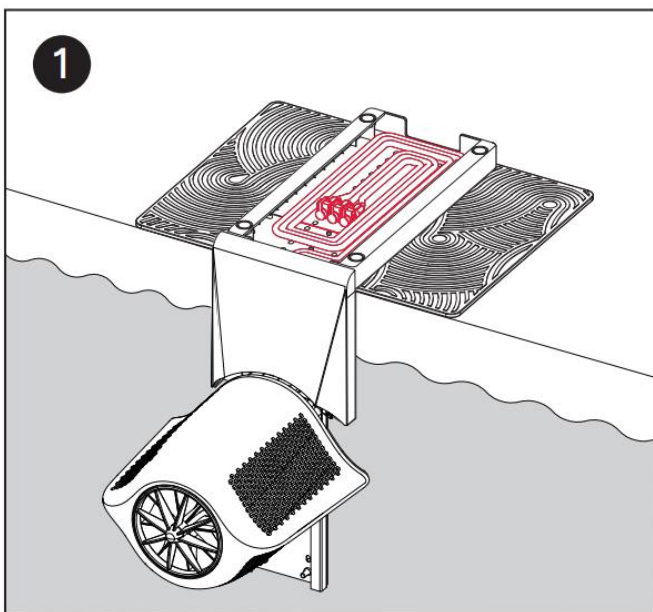


7. Attach the ⑥ wire upper cover to the bracket and slide it to the magnetic position to complete the fixation.



8. After the installation is completed, please ensure that the distance between the water surface and the center of the Jet is maintained between 250 and 300 mm. The optimal distance for installation is 250 mm.

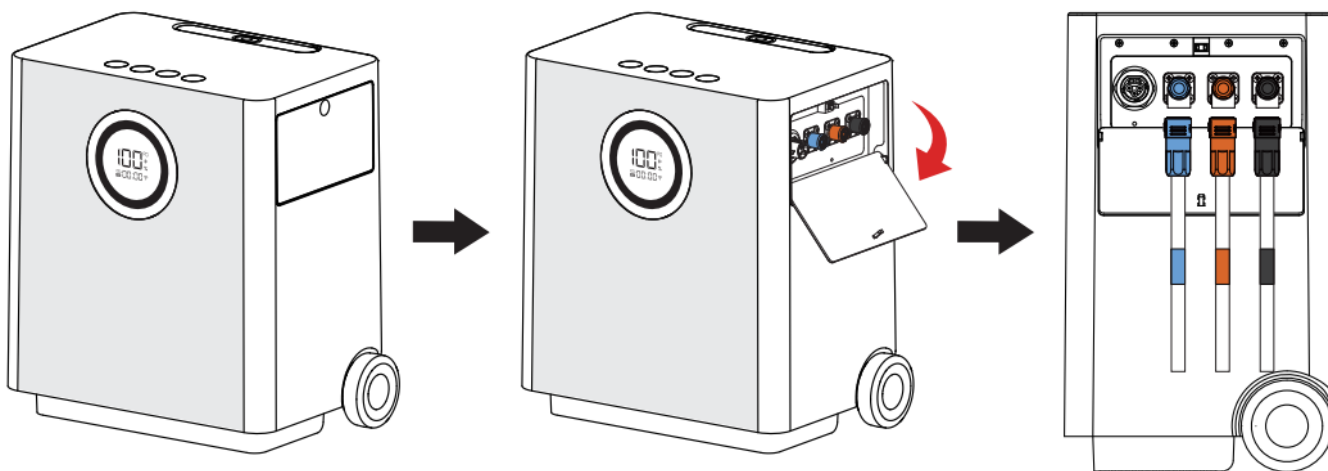
5.6 Schematic diagram of Jet cable storage



During extended periods of non-use, store the wires in the upper bracket and secure the wire cover for long-term protection.

Note: The wire needs to be put on the wire head when storing to ensure waterproof effect.

5.7 Wire connection diagram



Note: Please strictly follow the corresponding relationship between the interface and wire colors when making connections.

6. How to Use Swim Jet



6.1 Check before usage

a. Check the power supply and connections;

- Make sure the power is off.
- Make sure the power box has sufficient power (it is recommended that the power level exceed 20% before starting to use it).
- Check the cables: check that all cables are connected correctly and are not damaged or worn, if damage occurs, please do not use the device and contact the agent for repair.

b. Check the Jet and pool condition

- Make sure the Jet is fully submerged.
- Clear obstacles: check that there are no obstacles in the pool, especially near the Jet, to ensure that there is no interference with the operation of the Jet.

c. Safety check

- Make sure you have worn a swimming cap and goggles; when using surfing mode (P5), it is recommended to wear additional auxiliary swimming equipment such as swimming rings, floating sleeves or back floating boards.

d. Operation preparation

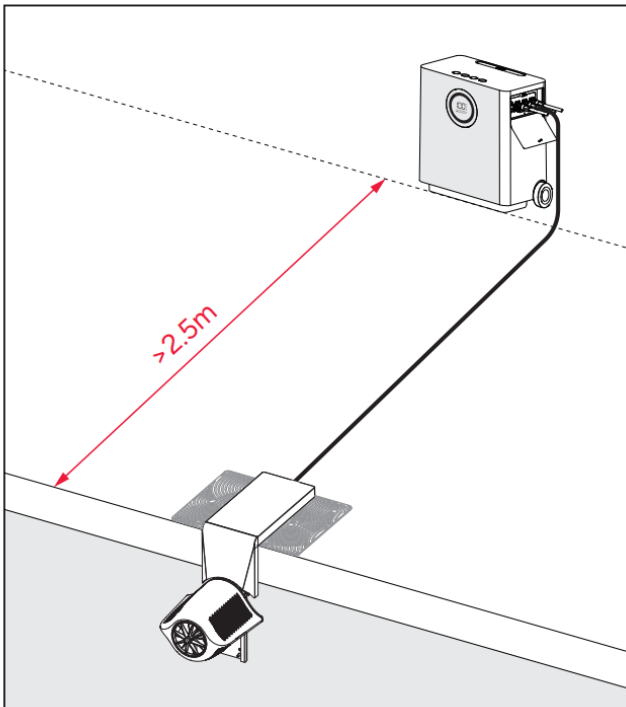
- Pre-operation Safety: Before start-up, ensure that the areas around the Swim Jet's inlet and outlet are clear of all personnel. Closely monitor the Swim Jet during the start-up process.
- Power box: Check the power box to see if there is any damage or cable loosen.

e. Usage tips:

DANGER DANGER: Do not plug or unplug the power plug with wet hands to prevent electric shock.

DANGER DANGER: It is prohibited to charge the power box within 3.5m of the swimming pool. When using the Jet, the power box must not be charged at the same time.

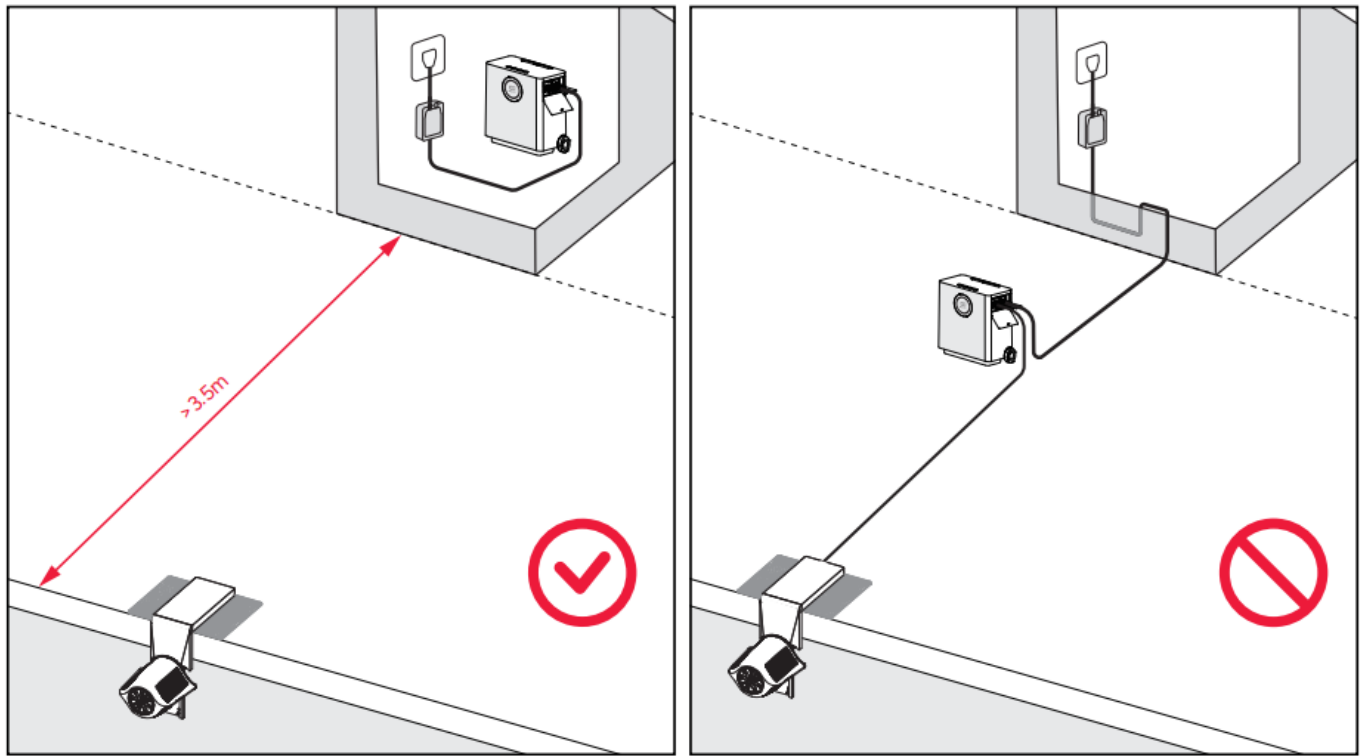
WARNING WARNING: The power box must be placed at least 2.5m away from the edge of the swimming pool.



- Keep safe distance: Maintain a safe distance of at least 50 cm from the Jet during operation.

f. After confirming that the above safety check is completed, turn on the power switch of the power box to power on. Press and hold the power button for 2 seconds to turn on the device. The device will enter free mode (P0) by default and you can start using it.

6.2 Charging instructions



Please charge in a cool, dry, well-ventilated place above 0°C that is protected from rain. Follow these steps:

1. Connect Power box: Insert charger plug into power box charging port and ensure it is secure.

2. Connect AC Power: Plug into AC outlet (starts after 30s self-test).

3. LED Indicator: RED: Charging / GREEN: Full (Auto shut-off once fully charged).

4. Disconnect Power: Unplug AC plug first, then remove power box output plug.

5. Replace Dust Cover: Ensure dust cover is closed after charging.

• 6.2.1 Safety warning

- Charging is prohibited within 3.5m of the swimming pool;
- When using the main unit, it is prohibited to charge the power box at the same time;
- Please use the original adapter for charging. Using non-original chargers may result in personal danger or equipment damage and void the warranty;
- If leakage, overheating, peculiar smell, smoke or sparks occur, please disconnect the power supply immediately and move to a safe place for inspection;
- Please disconnect in time after charging, and do not continue charging for more than 24 hours;
- Connect the power box first and then the mains power; disconnect the mains power first and then the power box.

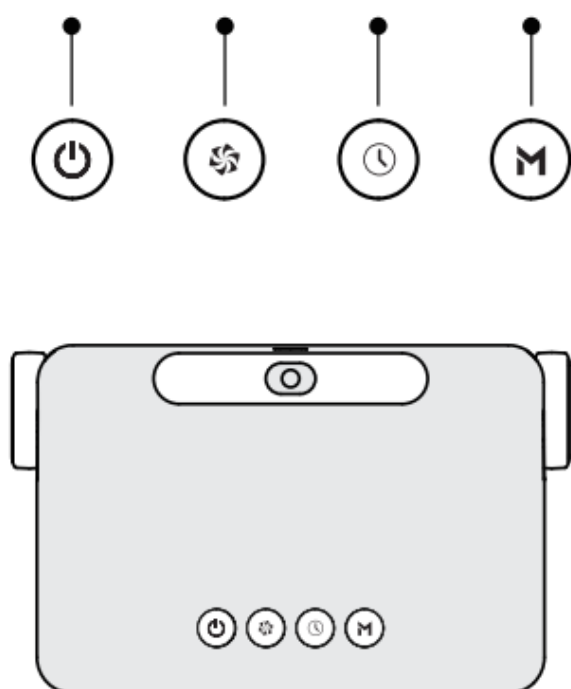
6.2.2 Precautions

- Charging time refers to the technical parameters of each model;

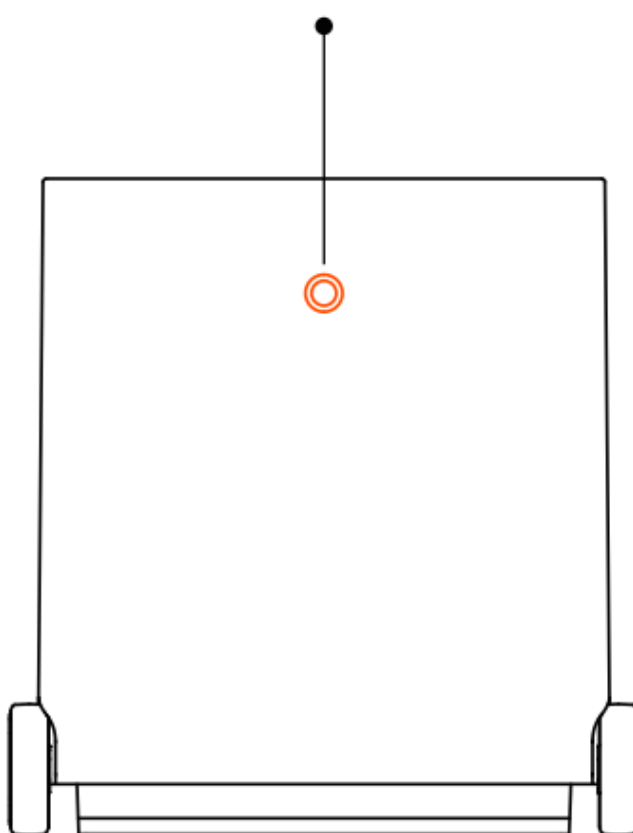
- It is recommended to install the transformer box on the charging cable on the wall to prevent water from entering;
- It is recommended to charge and discharge shallowly to avoid overcharging or over-discharging to extend battery life;
- Please supervise the charging process and do not allow minors to charge;
- Please fully charge the battery before first use;
- It is recommended to charge in a location with a smoke alarm;
- It is recommended to charge at least once every 3 months.

6.3 Button description

ON/OFF Button SPEED Button TIMER Button MODE Button

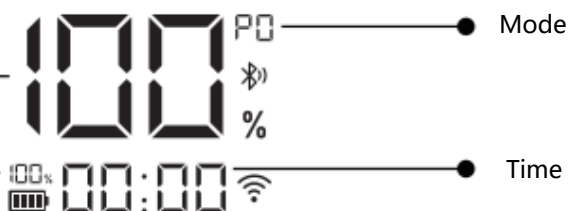


power switch



Flow Speed Percentage

Battery power



Name	Function	Description
ON/OFF 	Power on	After connecting to the power supply, press and hold the ON/OFF Button for 2 seconds to power on. The Jet will default to free mode upon startup.
	Power off	Hold for 2 seconds to power off. The memory flow rate will be saved before shutting down and will be used by default when the Jet is turned on next time.
	Pause	Quick click pause while the mode is running. If there is no operation for 30 minutes in the pause state, the system will automatically shut down.
	Resume	Quick click in the paused state to resume the pre-paused state.
MODE 	Switch mode	Tap to switch to different modes, Free Mode(P0), Training Mode(P1-P4) and Surfing Mode(P5).
TIMER 	Enter timer	Quick click to enter timer mode.
	Adjust different timer	Tap the TIMER button to adjust, there are six timers:15min, 30min, 45min, 60min, 75min, 90min.
SPEED 	Adjust speed	Click the SPEED button to switch the flow speed, there are five speeds: 20%, 40%, 60%, 80%, 100%
power switch 	One-click power on/off	Turn on the power switch before use. In case of emergency, turn off the power switch to cut off the power with one click.

6.4 Mode description

6.4.1 Mode introduction

Mode Type	P0(Free)	P1(Beginner)	P2(Intermediate)	P3(Advanced)	P4(Endurance)	P5(Surfing)
Duration	Optional	15mins	20mins	25mins	30mins	Continued
Percentage of speed range	20% - 100%	20% - 35%	45% - 70%	70% - 85%	45% - 65%	30% - 100%

Feature	Supports manual setting of flow rate levels (20%, 40%, 60%, 80%, 100%), with no time limit, suitable for daily relaxation or technical practice.	Low speed fluctuations with intermittent changes in flow rate, suitable for beginners and recovery training.	The flow rate remains at a moderate level with intermittent changes, ranging from 45% to 70%, with more obvious alternations between strong and weak wave.	The flow rate is continuously at a high level, with intermittent changes, ranging from 70% to 85% with greater wave	Endurance training, focusing more on the continuity of swimming training.	The flow rate switches quickly, simulating a real surfing experience
---------	--	--	--	---	---	--

Note: In Surfing Mode, the current is powerful and the flow rate fluctuates rapidly. In addition to swim caps and goggles, users—especially beginners—are strongly advised to use appropriate buoyancy aids, such as swim rings, arm bands, or back floats, to ensure maximum safety.

6.4.2 Mode flow speed details

Swim Jet has 6 modes, free mode (P0), training mode (P1, P2, P3, P4), surfing mode (P5). You can switch between different modes by clicking the MODE button .

P0(Free):

Duration	Optional
Inverter Speed	20%, 40%, 60%, 80%, 100%

P1(Beginner):

Duration	0-2min	3-5min	6min	7-9min	10min	11-13min	14-15min
Inverter Speed	20%	30%	20%	35%	20%	30%	20%

P2(Intermediate):

Duration	0-3min	4-6min	7-8min	9-12min	13min	14-17min	18-20min
Inverter Speed	45%	55%	45%	70%	45%	55%	45%

P3(Advanced):

Duration	0-5min	6-9min	10min	11-14min	15min	16-20min	21-25min
----------	--------	--------	-------	----------	-------	----------	----------

Inverter Speed	70%	80%	70%	85%	70%	80%	70%
----------------	-----	-----	-----	-----	-----	-----	-----

P4(Endurance):

Duration	0-7min	8-24min	25-30min
Inverter Speed	45%	65%	45%

P5(Surfing):

Duration	Continued
Inverter Speed	Surfing Wave

6.5 Speed adjustment

Click the SPEED button  to switch the speed in sequence (20%/40%/60%/80%/100%). In training modes P1~P4, click the SPEED button  can change the speed, but it is only valid for the current time period and will not affect the entire training plan.

Note: In Surfing mode, the speed cannot be adjusted.

6.6 Timing setting

Click the TIMER button  to enter the setting state, click again to select the training time (15/30/45/60/75/90 minutes), and you can also select 5 flow speeds (20%/40%/60%/80%/100%). The timer mode will automatically start after 3 seconds of no operation, and the time will start to count down. After the countdown ends, the running time and speed will flash, and then enter the free mode. The speed can be adjusted at any time during the timer mode. Press the MODE button  switch to exit timer mode , this is also applies to other operating modes.

6.7 Low battery warning and charging interface

6.7.1 Low battery prompt

When the battery level is less than 10%, the status light (aperture) turns orange to remind the user to charge in time.

6.7.2 Extremely low battery protection

When the battery power is lower than 1%, the system enters the "low battery alarm interface" and automatically shuts down after 5 seconds, and the motor slowly stops.

6.7.3 Charging interface description



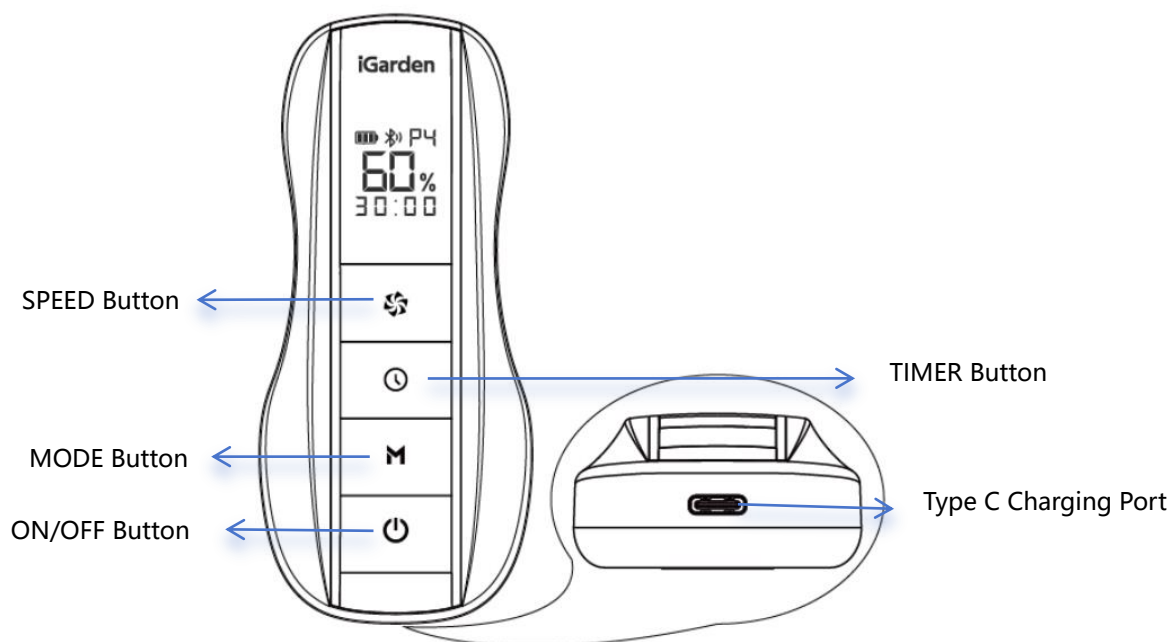
After the device is connected to charge, it automatically enters the charging interface:

- The mode is displayed as **"CH"** and the time is displayed as **"remaining charging time"** ;
- The lower left corner of the screen displays real-time power and battery icons, showing one bar every 25%;
- The LED aperture flashes in a breathing state: orange when the battery level is <10%, and blue when the battery level is ≥10%.

6.7.4 Charge status restrictions and operations

- While charging, the flow rate key, timing key, and mode key are all unavailable, the device only responds to a long-press of the on/off power button.
- Long press the power button to turn off the screen, long press again to restore the charging interface display;
- After unplugging the charger, the system will automatically turn off the screen in about 5–10 seconds.

7. How to Use the Remote



7.1 Power On

7.1.1 Operating Steps

- In the powered-off state, press and hold the Power On/Off button  for 2 seconds. The remote screen will light up and display  .
- After successful Bluetooth pairing, the screen will synchronize and display real-time information from the power box (e.g., current flow rate intensity, operating time, current mode, Bluetooth connection status).

7.1.2 Remote Placement

- The remote control can be magnetically attached to the top surface of the power box; a dedicated magnetic mounting area with an identifying label is provided here for easy identification and placement.

7.1.3 Bluetooth Connection Error Handling

- If the Bluetooth connection fails, the screen will freeze on the current interface, and the Bluetooth icon will flash rapidly, indicating that the device cannot be controlled. At this time, move closer to the power box (signal source) to allow automatic Bluetooth reconnection. Once connected, the interface of power box information will be displayed synchronously.
- When powered on, the button of remote operations function the same as the power box, and their information remains synchronized in real time.

7.1.4 Transmission Range Description

- The effective Bluetooth transmission range between the remote and the power box is 20 meters(≤ 20 meters) (in an ideal unobstructed environment-there is no obstruction between the remote and the power box). Actual range may be reduced due to obstacles or signal interference. It is recommended to keep the devices within line of sight during use.

7.1.5 Water ingress treatment

- Water ingress treatment: If the remote falls into the swimming pool, take it out as soon as possible and follow the steps below to handle it.

1. Shake off water: Gently shake the remote (opening facing downward) to remove water from ports/gaps.
2. Wipe the surface: Use a dry cloth to absorb moisture from the casing, charging port, etc.

Note: Do not turn on or charge the device if there is any residual moisture, and do not use high temperature drying.

7.2 Power Off

7.2.1 Operating Steps

- Press and hold the Power On/Off button  for 2 seconds until the screen turns off.
- If the power box is on, turning off the remote will also trigger the power box to shut down.

7.3 Power Management

The power status display bar has 3 battery grids. Please charge in time when the power is low (only one grid left).

a. Charging method: Please use the Type-C charging cable for charging. Plug one end of the charging cable into the charging port of the remote (the bottom directly below the remote) and the other end into the power adapter. Make sure the charging cable is firmly connected.

b. Charging process: During the charging process, the power status display bar will show the charging progress. When the battery is fully charged, the charging indicator will show the full power grid.

c. Charging temperature: Do not charge in high or low temperature environments. The charging environment temperature range is: 0~45°C.

d. Continuous charging time: The battery cannot be charged continuously for more than 24 hours.

7.4 Storage Requirements

To ensure the performance and life of the remote, please store it within the following temperature range:

- Short-term storage (within 1 month): -20°C to 45°C.
- Medium-term storage (within 3 months): -20°C to 35°C.
- Long-term storage (within 1 year): -20°C to 25°C.

Note: If the remote is stored for more than 3 months in the factory state, it is recommended to charge it once, and the charging capacity can be maintained at 75% (2 grids) to keep the battery healthy.

7.5 Bluetooth Re-Pairing

If you replace the remote or power box, you must re-pair them according to the following instructions:

- Before replacing the new remote, make sure that the old remote is not within the effective signal range (20m), or clear the pairing information of the old remote.
- Clearing the pairing information of the old remote: With the power box turned off, press and hold the MODE button  + TIMER button  simultaneously for 2 seconds to clear the pairing information of the remote.

Pairing steps:

a. After powering on the supply unit, press and hold the MODE button  + TIMER button  for 2 seconds to enter Bluetooth pairing mode.

b. Ensure the remote is within the transmission range (20m).

c. On the remote, press and hold the MODE button  + TIMER button  for 2 seconds to enter pairing mode.

During pairing, the Bluetooth icon flashes slowly. Once paired, the icon stays lit. If pairing fails within 1 minute, the icon flashes rapidly again.

- If pairing is not completed within 1 minute, the Bluetooth icon will return to the rapid flashing state.

8. APP Control

8.1 APP Download

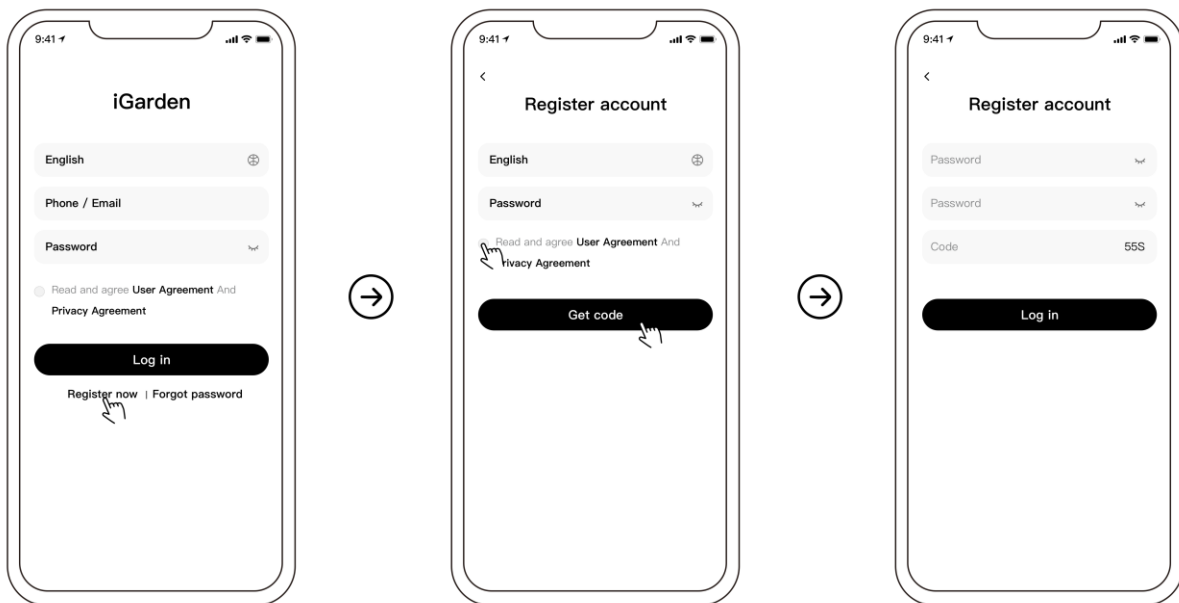
Please search “**iGarden**”  in the application market to download.

- Android users: You can search and download through the **Google Play** application market.
- For iOS users, you can search and download through the **App Store**.



8.2 Account Registration and Login

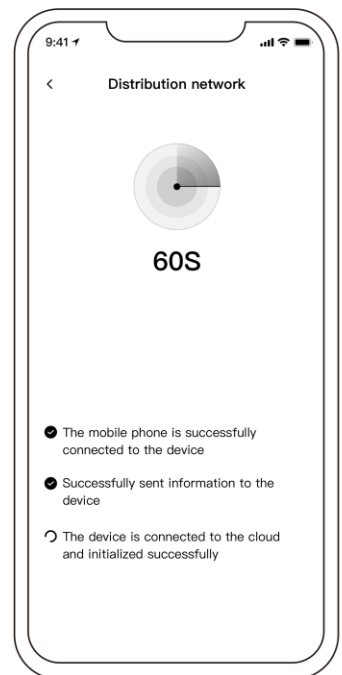
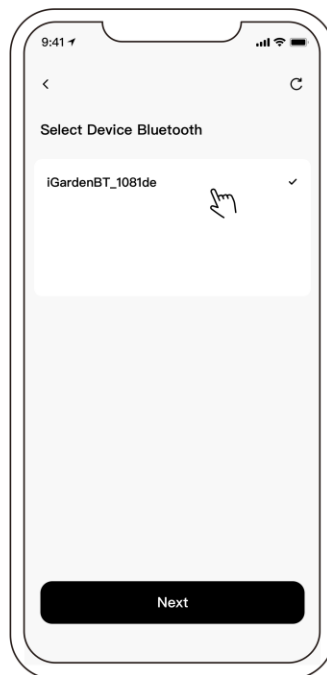
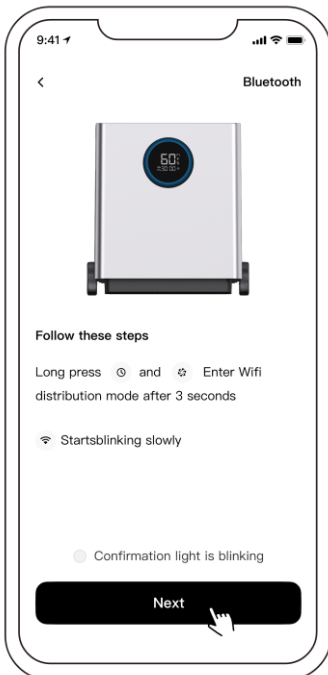
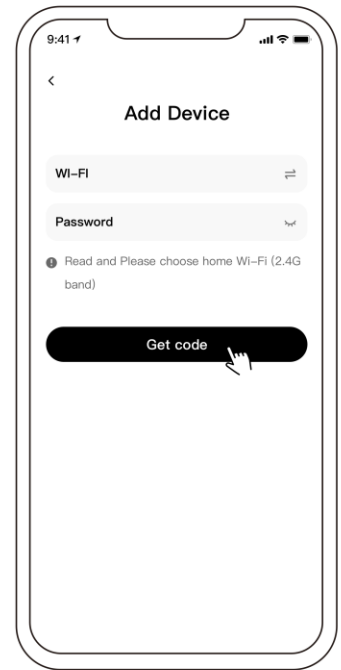
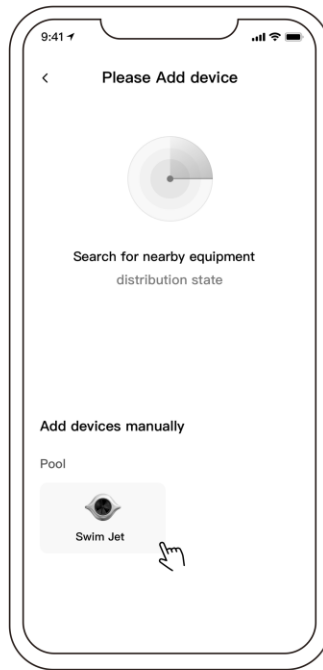
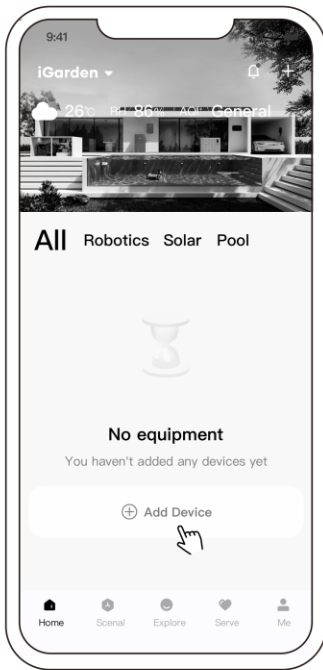
After downloading, you can register and log in your account by **email** or **phone number**.



8.3 Adding devices and networking

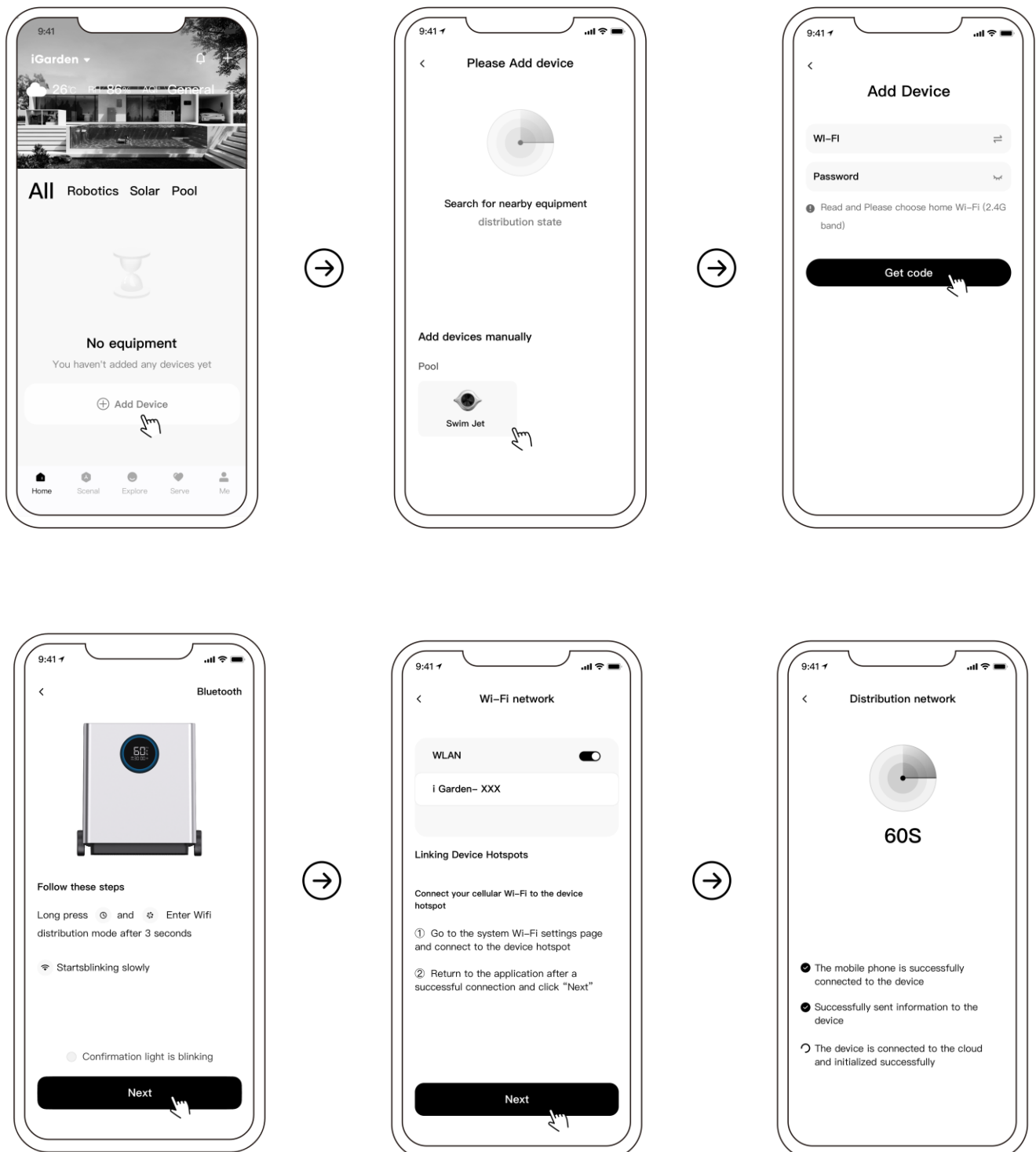
8.3.1 Bluetooth Networking Mode

1. After the power box is turned on, press and hold  and  at the same time for about 2 seconds until the Wi-Fi icon flashes, and then it enters the network mode.
2. Open **iGarden APP** and click “Add Device” button.
3. Follow the APP instructions to complete the device connection, then your device will be displayed in Home **-My Garden**.



8.3.2 WiFi Hotspot Networking Mode

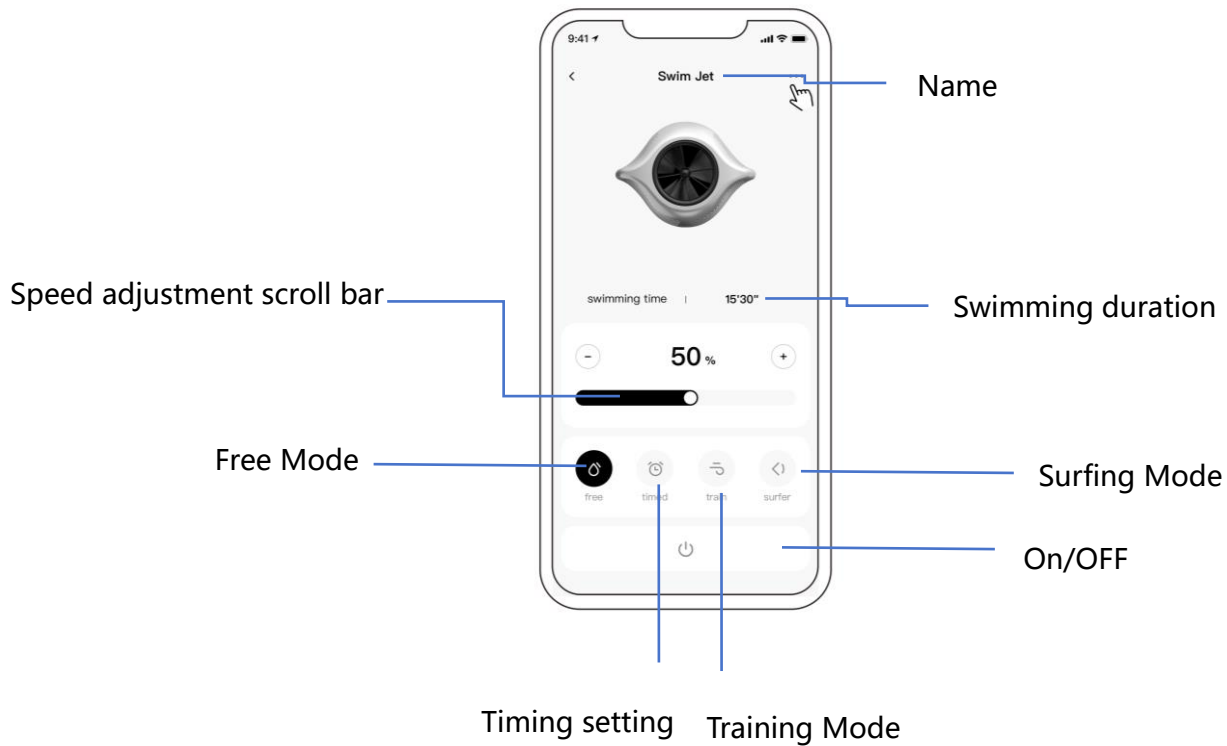
The operation is the same as the Bluetooth mode, select **“WiFi hotspot”** mode to operate, and follow the prompts to complete the connection.



8.4 Interface Functions

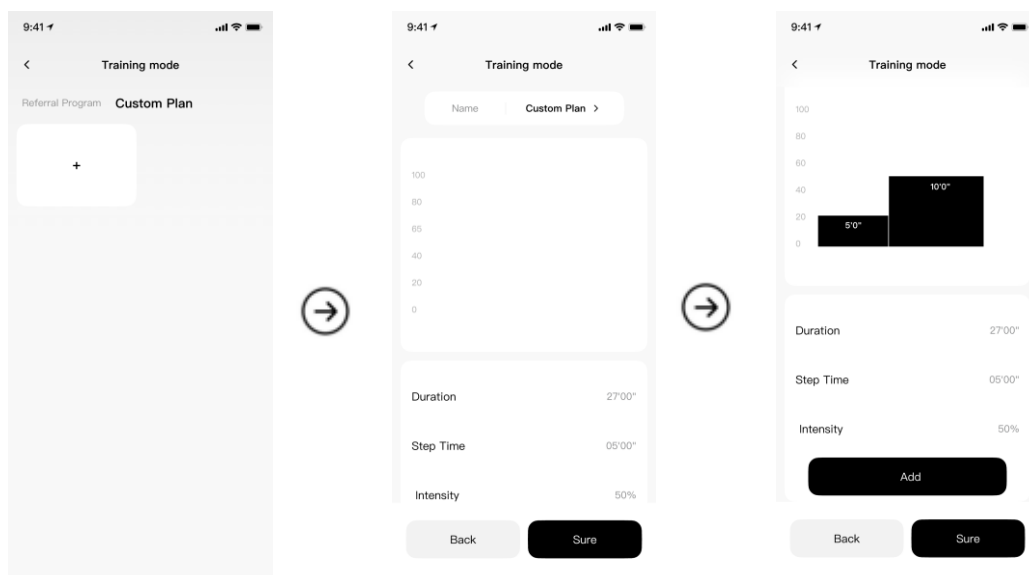
8.4.1 Interface control

After clicking on the device to start, it will enter the free mode by default. The operation page is as follows. Users can switch modes, adjust speed, set time and turn on or off.



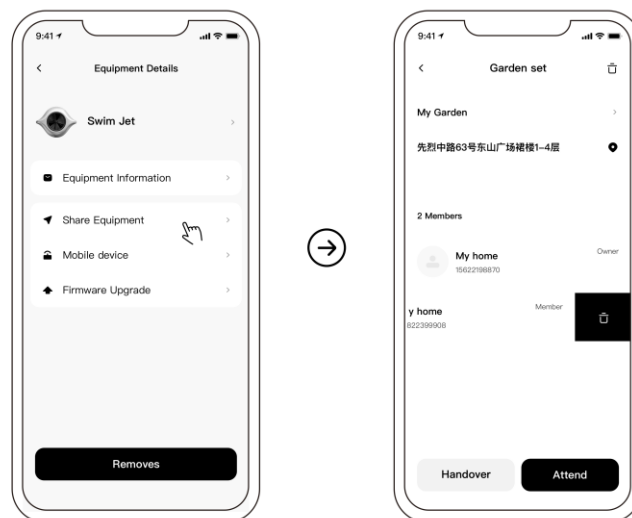
8.4.2 Customized training plan

Users can independently design personalized training plans through the custom training plan module, flexibly setting different time periods and different flow rate parameters to meet diverse and refined training needs.



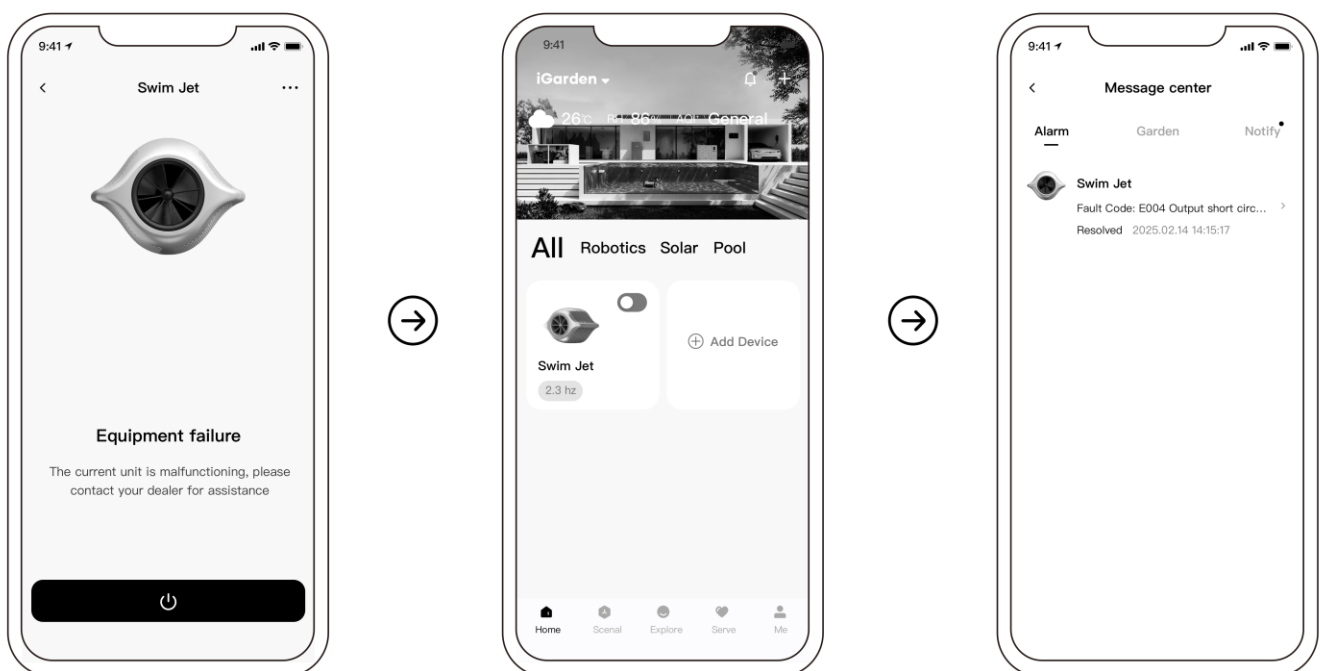
8.4.3 Sharing Devices

As a iGarden manager, you can share a device for use by other users via the device details page.



8.4.3 Fault Alarm

During the use of the device, if a device fault occurs, the fault name and fault code will be displayed on the device control page or message center. If the fault cannot be resolved by yourself, please contact the dealer for processing.



9. Device Care and Maintenance

9.1 When the device is not used for a long time, disassemble the Jet for indoor storage.

1. Turn off the power;
2. Disconnect the power supply cable;
3. Remove the Jet from the pool and make sure the Jet is clean and dry;
4. Store the Jet and power box in a cool and dry place.

Note: Please charge the battery to 60% before storing it. If left idle for a long time when the battery is seriously low, it will cause irreversible damage to the battery core and shorten the service life of the device.

If long-term storage is required, please charge and discharge the battery once every 3 months (i.e. first discharge the device to 30%, and then charge to 60%).

9.2 Special precautions for winter storage:

In winter, please lower the pool water level to below the Jet to ensure that the Jet is not immersed in water.



WARNING: When storing the cable plug of Jet, it needs to be covered with a protective sleeve and not exposed to the air.

9.3 Floating rust cleaning:

During operation of this device, trace metal particles in the water will be absorbed and deposited at the connection between the bolts and brackets, forming "floating rust". This is a normal phenomenon and will not affect the reliability of the device itself.

If there is a lot of floating rust, it is recommended to scrub it with a nylon brush and then rinse it with clean water to ensure that the floating rust is completely removed.



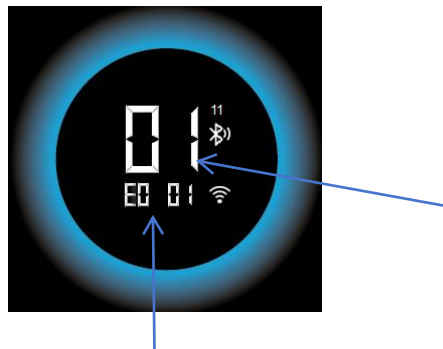
WARNING: Do not use metal brushes for scrubbing, otherwise it will scratch the surface of the parts and destroy the anti-rust layer, resulting in a decrease in corrosion resistance.

10. Failure and Protection

10.1 Fault detection

- **Fault Occurrence:** When the Swim Jet detects a fault (except for speed reduction strategies), it will automatically shut down slowly and display a fault code.
- **Auto-Recovery:** After 30 seconds of shutdown, if the fault is resolved, the device will automatically restore to its pre-fault state. If the fault reoccurs, it will shut down again and display the fault code, continuing to wait in 30-second intervals until resolved.
- **Fault Lockout:** If three faults occur within one hour, the system will lock the fault state and disable auto-recovery. In this case, manual power cycling by a technician is required. When multiple faults occur, you can press  and  to switch to view the fault information, if there is no operation, the screen will automatically switch the display every 5 seconds.
- **Specific operations for power outage and restart:** turn off the power switch to cut off the power, wait for about 10 seconds and then power on again, the fault record will be automatically cleared. If the fault still exists after restarting, please contact your dealer for help.
- **Note:** The above is the fault detection process except motor stalling (error code E0 06). Once the motor is stalled, the Jet will stop immediately. Please cut off the power and reconnect it before resuming to operate.

The fault diagram is as follows, the top right corner of the screen  for the total number of errors, right in the middle  for the current error number, the bottom  for the error code.



10.2 Error codes list:

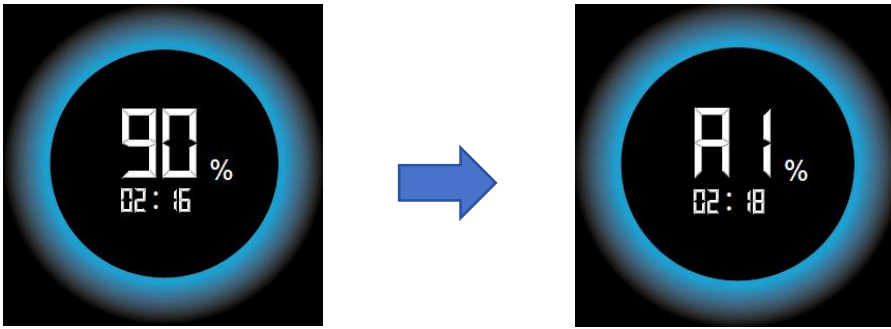
SN	Error code	Description	Reason
1	E0 01	Abnormal bus voltage	The bus voltage effective value deviates from the normal operating voltage range (too low or too high)
2	E0 02	Output current overload fault	Swim Jet current peak is greater than the preset maximum.
3	E0 03	Output current imbalance	The 3 output currents are unbalanced.
4	E0 04	Output shorted	Output wires (wires from the box to the Jet) are short-circuited or high current is present.
5	E0 05	Output Out-of-Phase	Poor contact of output wires or internal wiring problems
6	E0 06	Motor stalling	The motor is tangled or stuck by foreign objects and cannot rotate
7	E0 07	Motor Water Insufficiency Protection	The motor is not completely immersed in water, and it goes into fault and shuts down after running for 30 seconds.
8	E1 01	MOS overheating	The temperature of the mos tube on the driver board is too high.
9	E1 02	High temperature for power box	The internal temperature of the power box is too high.
10	E2 01	Temperature sensor failure	The temperature sensor on the driver board or the temperature sensor circuit on the display board is damaged.
11	E2 02	Motor drive failure	The driver board is damaged or the motor control is abnormal.
12	E2 03	Driver Board Communication Failure	The driver board fails to communicate with the main control for 30 consecutive seconds.

10.3 Speed reduction protection

In order to ensure the safe operation of the Jet, the power box is equipped with the following three kinds of downspeed protection mechanisms:

1. MOS tube high temperature speed limit description

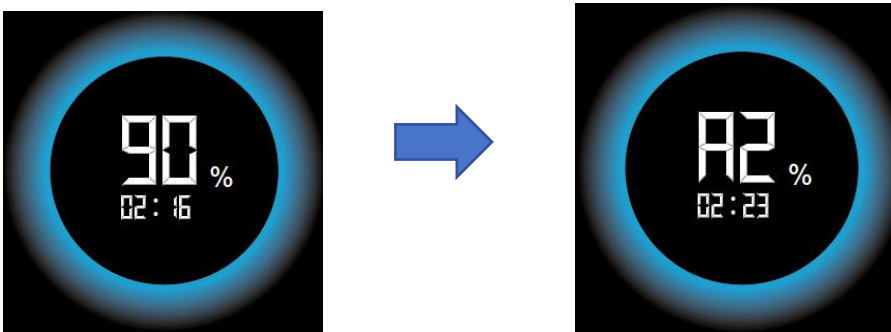
- When the temperature of MOS tube exceeds the set value, the system will automatically slow down, at this time, the interface will alternate between the normal working interface and the MOS tube high temperature warning (interface display A1).



- When the temperature of the MOS tube is too high, the system shuts down and reports an E101 fault.

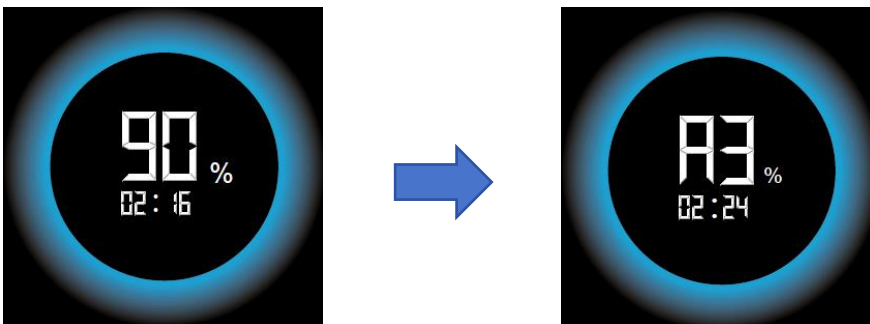
2. Chassis high temperature protection

- When the chassis temperature exceeds the set value, the system will automatically slow down, at this time the interface will alternate between the normal working interface and the chassis high temperature warning (interface display A2).
- When the chassis temperature is too high, the system will shut down and report E102 fault.



3. Output current overload protection

- When the output current exceeds the set value, the system will automatically slow down, at this time the interface will alternate between the normal working interface and the output current overload warning (interface display A3).
- When the output current is too high, the system will shut down and report E002 fault.



Note: In any protection state, the device will automatically adjust the speed to prevent damage and ensure the safe operation of your device.

11. FAQ & Solutions

Problem	Reason	Solution
Loud noise	• The Jet is not fully submerged in water	• Make sure the Jet is fully submerged in water.
Weak flow	• The Jet is not parallel to the water surface	• Check that the screw feet are installed correctly.
	• Motor doesn't work	• If the motor does not work properly, please contact your dealer.
No LCD display	• The power box is not connected to the power supply or the switch is off. • Display panel receiving signal failure	• Ensure that the power box is powered on and the switch is in the ON position.

12. Disposal

This device contains batteries, which are hazardous chemicals and are strictly prohibited from being disposed of in ordinary trash bins. For relevant disposal details, please follow local laws and regulations on battery recycling and disposal. If conditions permit, please be sure to completely discharge the battery of this device before placing the device in the designated battery recycling box. If the battery cannot be completely discharged due to a malfunction of the device itself, do not discard the battery directly in the battery recycling bin. Contact a professional battery recycling company for further processing.

13. Warning

Warning: 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.

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.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).