BETA
WELLNESS

Swim Machine
User Manual





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1. Important Information

1.1 Waterproof Requirements

The control box contains high-voltage components and must be installed in a dry, elevated location where it is protected from any risk of water ingress.

1.2 Risk of Electric Shock

This product contains electrical components and must not be opened or serviced by unauthorized or unqualified persons.

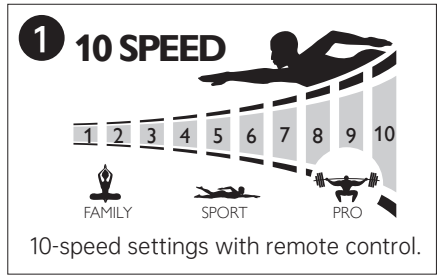
1.3 The Power Supply Must Be Properly Grounded

1.4 Safety Instructions

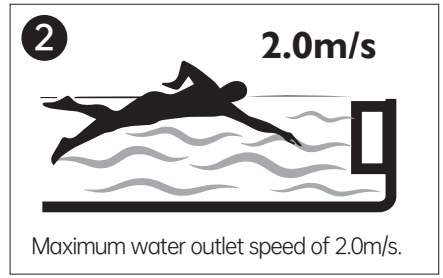
The swim machine must be fully submerged in water during operation to prevent motor damage.
If the swim machine will not be used for an extended period, ensure the power supply is disconnected.
The motor is a low-voltage DC unit, equipped with overcurrent and overheat protection for safe operation.
For the best swimming experience, install the swim machine according to the pool's designated water level. An incorrect water level—either too high or too low—may negatively impact swimmer comfort. After installation, maintain the water level at the marked reference line.
When the system is not in use for an extended period, drain the pool water and ensure the interior of the machine remains dry to prevent algae growth or other moisture-related issues.
Children must be supervised by an adult at all times during use.

2. Product Overview

This product delivers a continuous, stable, and smooth water flow, ensuring an ideal swimming environment for both fitness and leisure purposes.
The product comprises two main components: the swim machine and the control box.



10-speed settings with remote control.



Maximum water outlet speed of 2.0m/s.

The swim machine is installed inside the pool and is responsible for generating the water current. The control box is positioned outside the pool, on dry ground, and connects to the mains power supply.
It converts 220–240V AC into safe low-voltage DC power, which drives the DC motor housed within the swim machine.
The control box and swim machine are linked via a single integrated cable.

Product Specifications:
Power Supply: Single-phase 220~240V ~ 50/60Hz
Input Power: 3kW
Water Outlet: Width 500mm, Depth 440mm
Dimensions(mm):
- Swim Machine: 690(W) x 580(D) x 1015(H)
- Control Box: 500(W) x 240(D) x 700(H)



3. Installation

3.1 Installation Location Guidelines

The system can be installed in both existing and newly constructed swimming pools. The swim machine is mounted on the pool wall, while the control box is installed on the ground outside the pool, with its front panel facing towards the pool.
The wall where the swim machine is mounted must be flat and structurally strong enough to bear the machine's weight and withstand the swimmer's pulling force.
A minimum of 4m of clear, unobstructed space is required in front of the swim machine to ensure proper functionality and safety.
For optimal performance, we recommend that the pool dimensions be at least 3.5m wide by 5m long, with a minimum water depth of 1m. There should be at least 1m of clearance between the swim machine and any adjacent pool walls.
The control box must be securely fixed on dry, level ground within 5m of the swim machine. It should not be installed in areas subject to flooding or water accumulation.

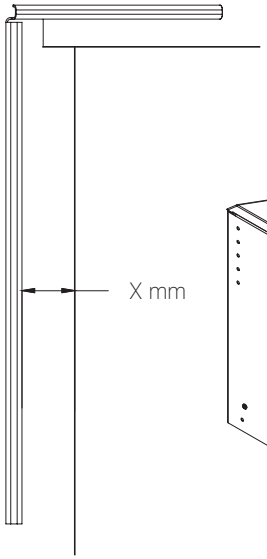
3.2. Power Supply Requirements

This product operates on a single-phase 220–240V AC, 13Amp power supply and is CE certified.
Installation must comply with local electrical codes and national standards. All electrical work must be carried out by a qualified and licensed electrician.
The system must be connected to the mains via a Residual Current Device (RCD) with a rated residual operating current not exceeding 30 mA. The RCD should be tested monthly to ensure proper functioning.
The power supply circuit must include appropriate overcurrent protection in line with CE requirements or local regulatory standards.
Importantly, the power circuit must be dedicated exclusively to this product and not shared with any other electrical devices.

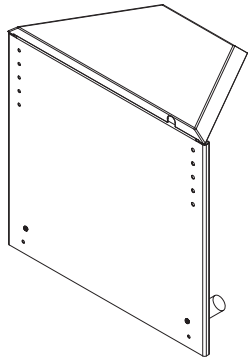
3.3 Grounding Requirements

The product must be securely and effectively earthed. The protective earth (PE) conductor must have a minimum cross-sectional area of 10 mm² and must fully comply with local and national electrical regulations.
The earth connection for the swim machine's DC motor must be firmly connected to the earthing copper busbar located inside the control box.

3.4 Installation Instructions



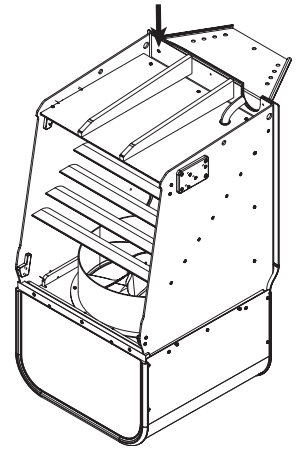
3.4.1
Place the mounting bracket on the pool wall and edge. Determine the installation distance X mm between the bracket and the pool wall. Cut the vibration-damping rubber pad to the required length.

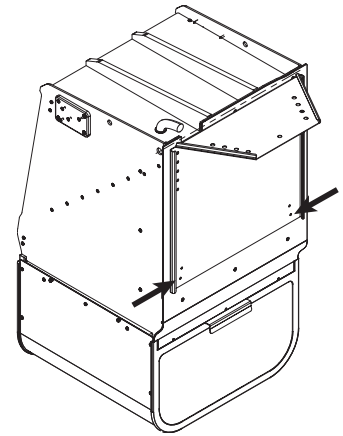


3.4.2
Use self-tapping screws (ST4.8x25-C) to attach the vibration-damping rubber pad to the corresponding holes on the bracket.

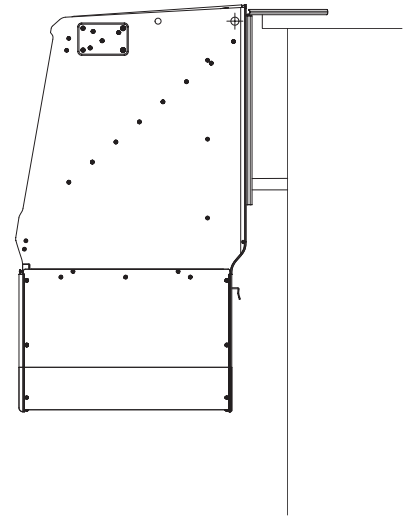
3.4.3
Lay the swim machine flat on the ground. Remove the stainless steel handrails, casing, and honeycomb core.

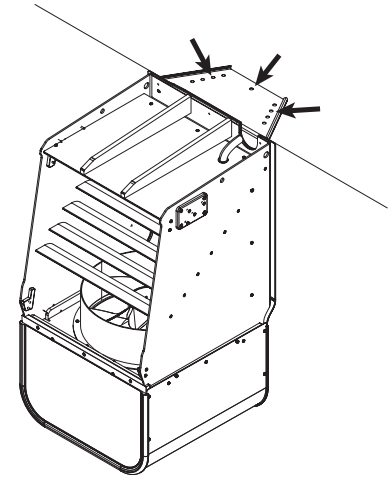
3.4.4
Measure the distance from the water level to the top edge of the pool. Insert the M6 bolt into the 50 mm water level hole on the side mounting bracket. Align the bracket with the swim machine and secure with M6 nuts. Reinforce the connection with ST4.8x25-C screws on the back.



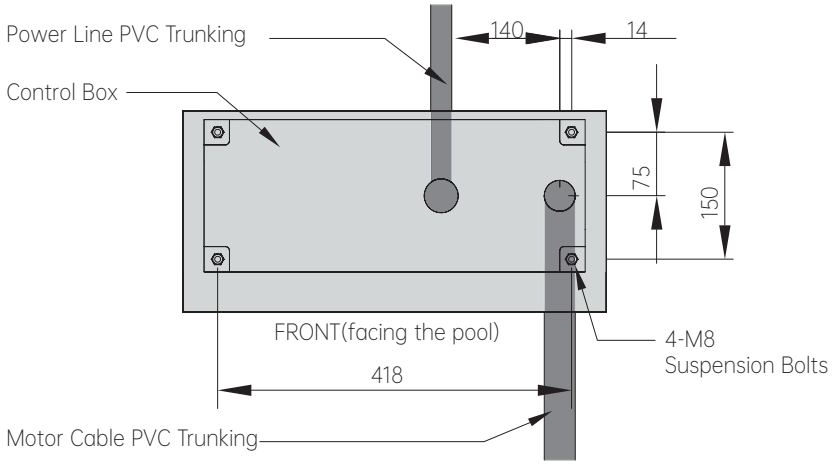


3.4.5
Move the assembled swim machine to the installation location and adjust it to keep level. Mark bracket fixing points (typically two side holes and one center hole). Drill holes using an impact drill: Ø10mm, depth 100mm, and insert M8x100 expansion bolts for fixing.



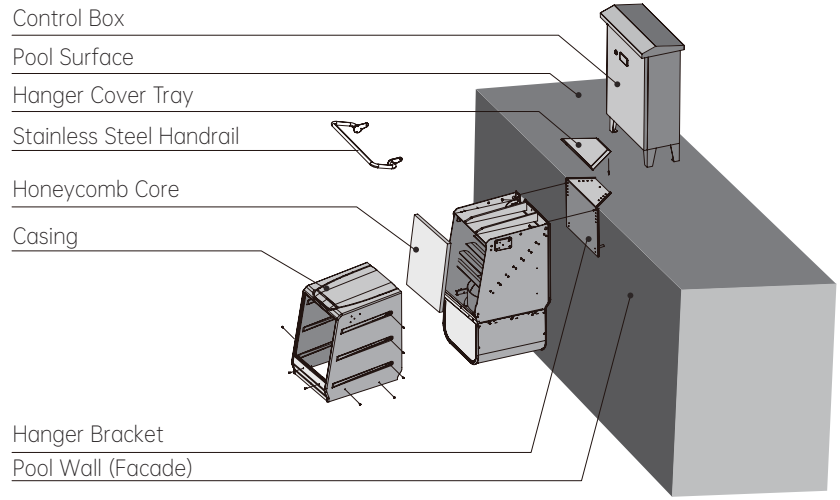


3.4.6
Press and secure the bracket cover onto the mounting bracket.
3.4.7
Reinstall the honeycomb core, casing, and stainless steel handrails in order.
Note: The honeycomb core holes must be horizontal. Do not install upside down!
3.4.8
Determine the control box location. Ensure the ground can support the box firmly. Drill four Ø10mm, depth 90mm holes as shown below and insert expansion bolts.
The control box must be within 5 meters of the swim machine to ensure proper cable connection.
Note: Do not extend the motor cable.



3.4.9
Drill holes for the motor cable and cut grooves for the power cable, then embed PVC conduits.
The motor cable conduit can be installed by drilling or grooving, using pre-embedded 1" PVC conduit.
The power cable conduit should be installed by grooving, using pre-embedded PVC conduit with a diameter of no less than 3/4".
3.4.10
Route the motor and power cables through the pre-embedded PVC conduits to the control box.

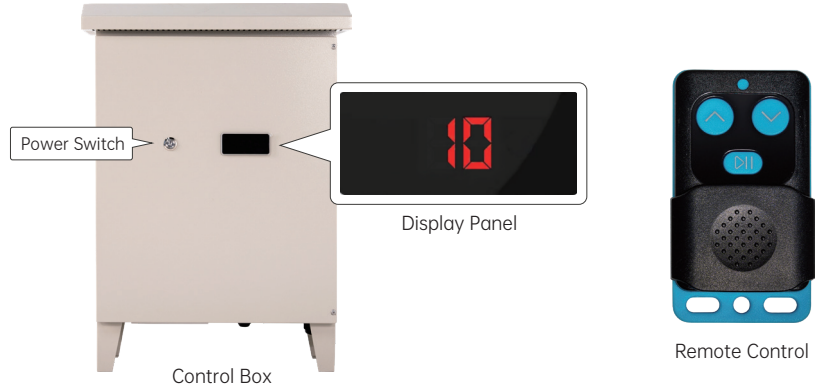
3.4.11
Mount the control box. Connect the motor and power cables according to the wiring diagram inside the box. Tighten all cable waterproof glands.



3.4.12
After completing the above steps, fill the pool to the appropriate water level and power on for test operation.

4. Operation

4.1 Control Box and Remote Control



4.2 Operation

Power On: Press the power button on the product's control box, the display panel will light up and show "— —", and the swim machine will enter standby mode.

Remote Control Pairing: After the product is powered on, wait for 3 seconds, and the remote control will automatically pair with the control panel.



Starting Operation: Press the " ▷|| " button on remote control to start the swim machine. The display panel will show the current speed setting.

Pausing Operation: Press the " ▷|| " button on remote control to pause operation. The display panel will show "— —".

Increase water flow speed: Press " ∧ " on the remote; the display level rises by one, up to a maximum of 10.

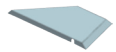
Decrease water flow speed: Press " ∨ " on the remote; the display level drops by one, down to a minimum of 1.

5. Troubleshooting

Issue	Problem Analysis	Solution
Display panel does not light up	1. DC power supply failure. 2. Loose internal wiring.	1. Open the control box and check for any loose or poor connections. 2. Contact your dealer.
Swim machine not operating	1. Swim machine control failure. 2. Control box ventilation fan malfunction.	Contact your dealer.
Remote control unresponsive or delayed	1. Too far from the control panel. 2. Battery is dead or not properly installed. 3. Control board failure.	1. Move closer to the unit. 2. Reinstall or replace the battery. 3. Contact your dealer.

Attachment:

Packing List

No.	Item Description	Illustration	Unit	Quantity
1	Swim Machine		Unit	1
2	Control Box		Piece	1
3	Remote Control		Piece	2
4	Mounting Bracket		Piece	1
5	Mounting Bracket Cover		Piece	1
6	Expansion Bolts M8x100mm		Piece	3
7	Hex Bolt M6×25mm		Piece	2
8	Hex Nut M6		Piece	2
9	Self-tapping Screws (ST4.8x25-C)		Piece	4
10	User Manual		Each	1



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