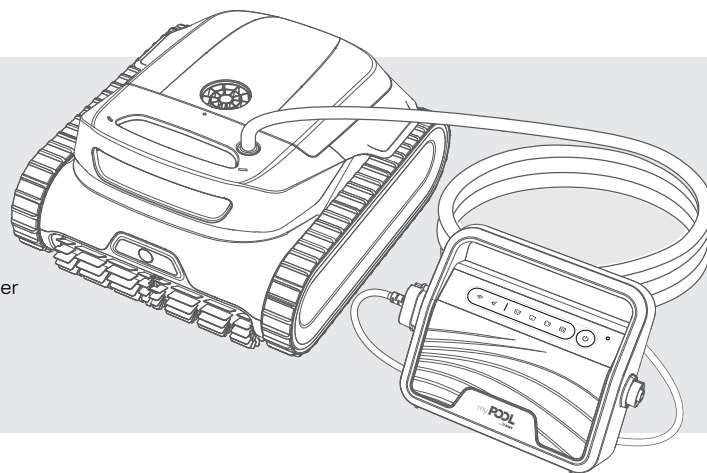


Operating Instructions Pulse Plus

- EN** Operating instructions
- FR** Mise en marche de votre robot nettoyeur de piscine
- DE** Bedienungsanleitung für den automatischen Bodensauger
- IT** Manuale di istruzioni
- SP** Funcionamiento del robot limpiador de piscina
- PT** Instruções de operação



For full user manual please scan:

Pour le mode d'emploi complet, veuillez scanner:

Für das vollständige Benutzerhandbuch scannen Sie bitte:

Para obtener el manual de usuario completo, escanee:

Per il manuale utente completo, scansionare:

Para obter o manual do usuário completo, digitalize:



Warning

1. For your safety, DO NOT do anything other than the routine cleaning and maintenance as described in this manual. All parts must be replaced with original parts supplied by a BWT authorized service center.
2. DO NOT use if the electrical outlet is damaged.
3. The power supply must be connected through a Ground Fault Current Interrupter (GFCI USA) or a Residual Current Device (RCD Europe) not exceeding 30 mA.
4. DO NOT ENTER the pool while the robot is running in the pool.
5. Position the power supply at least 11.8 ft (3.6 m) from the pool's edge during operation.
6. Improper installation or operation may void the warranty.
7. Keep the power supply out of standing water.
8. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
9. To prevent tripping hazards, always ensure the cable is properly routed along the pool's edge, keeping it off the poolside and any walking paths. This prevents injury to people, children, or pets.

Read the manual and follow the instructions accordingly. In case of inappropriate use, BWT is not liable for losses or injuries.

- This device must be installed and operated as specified.
- This device must be installed to provide a separation distance of at least 7.87 in (20 cm) from all persons and must not be colocated or operating in conjunction with any other antenna or transmitter.
- Under Industry Canada/Europe/Australia regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada/Europe/Australia.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.
- When not in use, please store the device in a shaded area, away from direct sunshine or any heat source.

Introduction

System Overview

The robot sweeps the pool floor and walls collecting dirt and debris in its internal filters. This user manual explains how to operate the robotic cleaner, including cleaning, maintenance and storage procedures.

Robot Operation

After the robot is placed in the pool and activated, it operates according to its program. It moves along the floor and walls of the pool, covering the entire area of the pool. When it has finished its program, it remains inactive on the pool floor.

Note: The robot climbs the wall at intervals according to its internal program. Its ability to climb over stairs in swimming pools is subject to stair geometry and material.

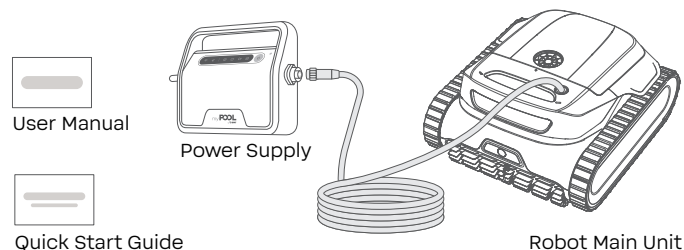
Operating Conditions

The robot is intended for use in residential swimming pools only and in the following conditions:

- Recommended water temperature 41 ~ 95°F (5 ~ 35°C)
- Water pH: 7.2 ~ 7.6
- Water depth: 1.6 ~ 13.1 ft (0.5 ~ 4 m)
- Water NaCl: Max. 4,000 ppm
- Recommended Chlorine level: 2 ~ 4 ppm

Note: Failure to maintain the pool according to the recommended operating conditions could prevent the robot from functioning properly.

In The Box



Quick Setup

Download the BWT Robotics App

ios



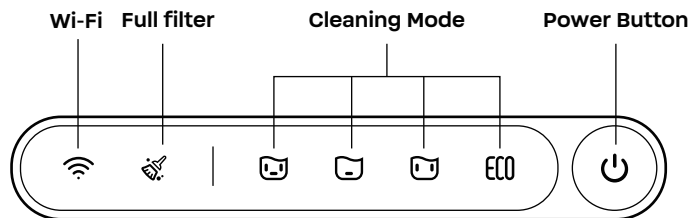
Android

Register or Log In

1. Press the power button for 3 seconds to turn on the robot.
2. To reset Wi-Fi, press and hold the power button on the power supply for at least 8 seconds until the Wi-Fi indicator starts flashing again.
3. Download the BWT Robotics App in your app store.
4. Follow step-by-step instructions to set up your robot.

Note: Please turn on Bluetooth and enable location services so that your phone can detect the robot during the set up process (Only support 2.4GHz Wi-Fi).

Power Supply



Icon	Meaning	
	Full	Clean the pool floor and walls
	Floor	Clean the pool floor
	Wall	Clean the pool walls and waterlines
ECO	ECO, or Weekly Schedule (See "Operation")	

Power Supply	
Symbol	Function
Power Button	1. Press and hold the button for 3 seconds to turn on/off the robot. 2. Press briefly the button to change the modes. 3. Press and hold the button for 8 seconds to reset Wi-Fi and restore factory settings. Note: Resetting to factory settings will restore the default device name and require you to re-add the device.

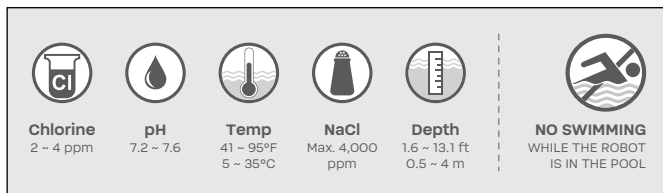
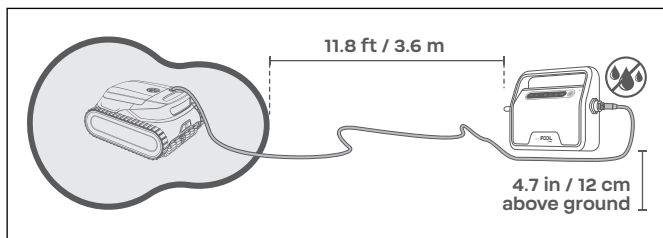
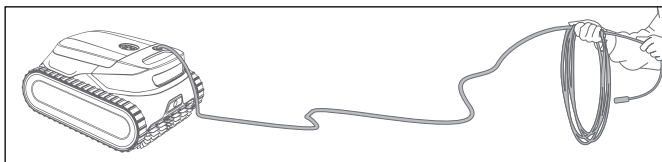
LED Light

Symbol	Lighting Status	Robot Status
 Full	Solid	The robot is in Full Mode.
 Floor	Solid	The robot is in Floor Mode.
 Wall	Solid	The robot is in Wall Mode.
 ECO	Solid	The robot is in Weekly Schedule Mode.
	Breathing	Weekly Schedule is active and waiting for the next run.
 Wi-Fi	Dark	Wi-Fi is not connected.
	Flashing	Wi-Fi is connecting.
	Solid	Wi-Fi is connected.
 Full filter	Dark	Filter basket is not full.
	Solid	Filter basket is full. Please clean the filter.

General Status

Status	Description
Power Off	Power supply is unplugged; all indicators are off.
Standby	Robot is powered and ready for operation.
Running	One cleaning mode indicator is solid on.
Sleep Mode	Robot is powered but inactive; after 5 minutes of no operation, all indicators will turn off. Press the power button to return to Standby.

Preparation

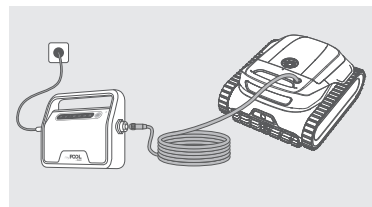


Placement of the Power Supply

Place the power supply at least 11.8 feet (3.6 m) from the pool and at least 4.7 in (12 cm) above ground.

Note: The power supply is protected from water splashes but **NOT** waterproof. Use it only on dry ground, and avoid exposing it to direct sunlight or immersing it in water.

Connecting the Power Supply



1. Connect the robot's floating cable to the power supply. Insert the cable end firmly into the power supply port.
2. Plug the power supply into a power outlet to turn it on.

Before Placing the Robot Unit in the Water

1. Make sure there are no people in the pool.
2. Make sure that the filters are clean.
3. Make sure the pool conditions are met; (see "Operating Conditions").

Placing Robot in the Water

1. Unroll the floating cable and extend enough length to reach across the pool. Smooth out any coils or twists. Keep excess cable outside the pool near the power supply.
2. Place the robot into the pool and let it sink to the bottom.
Please place the robot in the water before starting the operation.

Note:

1. Operating the robot out of water may cause severe damage and void the warranty.
2. Do NOT use an extension cord.

Operation

Starting the Robot

Using the Power Supply

- Press and hold the power button for 3 seconds to turn on or wake the robot.
- Press briefly to select a cleaning mode and start the operation. The default runtime is **2.5 hours**.

Using the App

- The app allows you to customize cleaning modes and runtime.
- You can also set up a Weekly Schedule for automatic cleaning.

Note: If the full filter indicator is ON, please remove and clean the filter before starting the robot again. If the indication appears incorrectly, you can clear the filter status through the app.

Stopping or Switching the Operation

The robot will automatically stop and enter Sleep Mode at the end of each cleaning cycle.

- Briefly press the power button, or use the app, to switch to another cleaning mode.
- Press and hold the power button for 3 seconds, or use the app, to stop the current cleaning.

Weekly Schedule

The robot supports two ways to enable scheduled cleaning:

1. via the power supply (ECO Mode) or
2. via the app (Weekly Schedule).

ECO Mode on the Power Supply

If you select ECO on the power supply unit, the robot will automatically run a default cycle of 2.5-hour Full Mode cleaning followed by 48 hours of rest, repeating continuously.

Customized Weekly Schedule in the App

If you prefer to set your own cleaning times:

Open the app → Weekly Schedule → Add / Edit / Delete Schedule

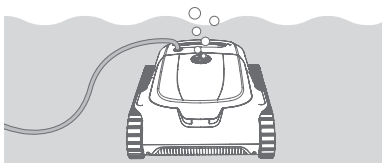
The robot will automatically start cleaning at the scheduled time.

- During running, the ECO indicator will be solid on.
- During resting, the ECO indicator will breathe.
- Once the schedule is turned on in the app, it must also be turned off or deleted through the app.

Note:

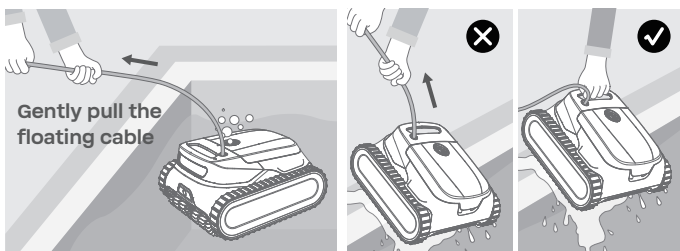
1. We recommend not exceeding three cleaning cycles per week.
2. Do not leave the robot submerged in the pool on a permanent basis.

Auto Park



The robot will autopark **(move to the pool edge)** once it completes the cleaning.

Remove the Robot from the Water

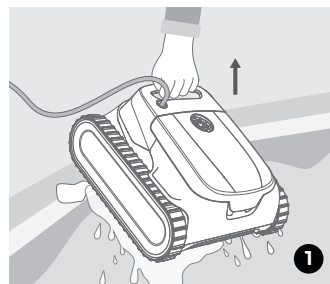


When the robot is not close to the pool edge, gently pull the floating cable to bring it near the shore. Once the robot is within reach:

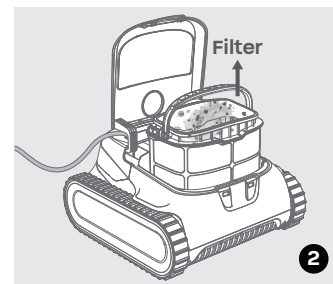
1. Pull the floating cable to bring the robot close enough to reach the handle.
2. Use the handle to lift the robot out of the water.
3. Hold the robot vertically to allow water to drain out.

Note: Do not lift the robot out of the water by pulling the floating cable.

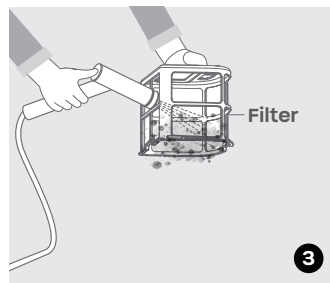
Cleaning the Filter Basket



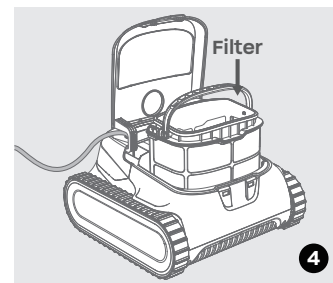
Hold the robot vertically to drain the water out.



Open the filter cover and remove the filter from the robot.



Empty all debris from the filter. Then rinse the filter using a hose with clean water. When it's too dirty, clean the filter with soapy water and a soft bristle brush.



Install the filter in the robot and close the cover properly for your next cleaning. Put the robot in a dry place and let it dry properly. Do not put the robot under direct sunlight.

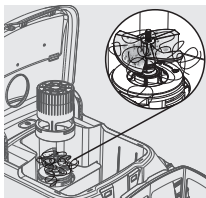
Care and Maintenance

Filter Basket (replace as needed)

1. Open the filter cover and remove the filter from the robot.
2. Insert the new filter.
3. Carefully close the filter cover.
4. It is recommended to clean the filter basket after each cleaning cycle.

Impeller Cover (clean as needed)

1. Turn off the robot. Open the filter cover and remove the filter basket.
2. Rotate and remove the impeller cover, then use a small knife or another tool to clean any tangled hair.
3. Rotate the impeller cover back into place.



Cable Maintenance

Cable tangling may occur during operation. If tangling is observed, straighten the cable promptly to prevent performance issues.

Long-term Storage

When the robot is not in use:

1. Store the robot and power supply in a dry, shaded, and ventilated area.
2. Disconnect the power supply from the power outlet.
3. Starting from the cable end, remove all coils and tangles from the floating cable.
4. (Optional) Disconnect the floating cable from the power supply for storage.

Product Specification

Product Dimension	16.9 * 15.8 * 9.3 in / 430 * 400 * 235 mm
Weight of robot	16.53 lbs / 7.5 kg
Storage Temperature	23 ~ 95°F / -5 ~ 35°C
Cable Length	45.93 ft / 14 m
Water Depth	1.6 ~ 13.1 ft / 0.5 ~ 4 m
Water Temperature	41 ~ 95°F / 5 ~ 35°C
pH Level	7.2 ~ 7.6
Salt Concentration	Max. 4,000 ppm
Chlorine	2 ~ 4 ppm
Water Resistance	IP68

Power Supply Specification

Input	100~240 VAC 47~63 Hz 2A
Output	DC 25V 7.5A 187.5W
Water Resistance	IP65

Network Configuration Instructions for Connected Product

1. Default Network Interfaces and Services

1.1 Network Interfaces

(1) Bluetooth Low Energy (BLE) Interface:

Before network configuration, the BWT ROBOTICS robotic pool cleaner enables its Bluetooth Low Energy (BLE) function by default. This interface is used for short-range device discovery and initial connection.

When you start the pairing process, your smartphone or other smart device can quickly detect the robotic pool cleaner via Bluetooth and establish an initial communication link, which is required for the subsequent Wi-Fi configuration process.

The BLE interface operates in low-power mode to reduce energy consumption and ensures that the robotic pool cleaner can reliably respond to nearby smart devices before Wi-Fi configuration is completed.

(2) Wi-Fi Interface:

Before pairing, the Wi-Fi interface of the robotic pool cleaner is not connected to any network but remains in a configurable listening mode. It waits for network configuration instructions sent from the mobile APP.

Once valid Wi-Fi credentials are received, the device will attempt to connect to the specified wireless network.

The robotic pool cleaner supports 2.4GHz Wi-Fi networks only, as this frequency band provides better signal penetration and wider coverage, making it more suitable for poolside and residential environments.

1.2 Services

(1) Device Broadcast Service:

The robotic pool cleaner continuously broadcasts its device information via Bluetooth, including device name, device type, and unique identifier. Nearby smart devices with Bluetooth enabled can detect this information, allowing users to quickly identify and select the correct device in the "BWT ROBOTICS" APP.

This broadcast service follows standard BLE advertising protocols and is compatible with most smart devices supporting Bluetooth 4.0 or later.

(2) Network Configuration Service (TCP Port 6668 / UDP Port 7000):

The robotic pool cleaner provides a dedicated network configuration service during the pairing process.

During the Bluetooth phase, the mobile APP transmits Wi-Fi credentials (SSID and password) to the device.

During the Wi-Fi configuration phase, the device attempts to connect to the specified network and reports the configuration progress and results back to the APP.

This service ensures secure and stable data exchange between the user and the robotic pool cleaner throughout the pairing process.

2. Configuring the Device via Application Network Interface

2.1 Required Equipment and Preparation

(1) Smartphone:

Install the "BWT ROBOTICS" APP from the Apple App Store or Android App Store.

Ensure Bluetooth is enabled and the smartphone is connected to a 2.4GHz Wi-Fi network. The phone's operating system must meet the APP's minimum system requirements.

(2) BWT ROBOTICS Robotic Pool Cleaner:

Ensure the device is properly installed and powered on.

When powered on for the first time, the robotic pool cleaner automatically enters pairing mode.

If the device has been paired before, reset it to factory settings by pressing and holding the power button for at least 8 seconds until the Wi-Fi indicator starts flashing, indicating that the device has entered pairing mode.

2.2 Pairing Steps

(1) Register / Log in to the "BWT ROBOTICS" APP

New users should create an account and complete verification. Existing users may log in directly.

(2) Add Device

Tap the "+" icon or "Add Device" on the APP homepage. The APP will automatically search for nearby robotic pool cleaners in pairing mode.

3. Confirm Pairing Mode

Ensure the robotic pool cleaner is in pairing mode (Wi-Fi indicator flashing).

Select the detected device in the APP and confirm the indicator status when prompted.

4. Enter Wi-Fi Information

Enter the password for your 2.4GHz Wi-Fi network and confirm. The APP will transmit the information to the device via Bluetooth.

5. Wait for Completion

The pairing process may take a short time. Indicator light changes are normal.

Once pairing is successful, the APP will display "Device added successfully," and the robotic pool cleaner will be ready for use.



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