Robotic Pool Cleaner LIBERTY

LIBERTY™ 600

User Instructions



Dolphin™ | maytronics™

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LIBERTY 600
Cordless Robotic Pool Cleaner
User Instructions

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READ AND FOLLOW ALL INSTRUCTIONS



Please adhere strictly to the following WARNINGS:

1. If the charger is damaged, including falling into the water, quickly and safely disconnect it from the power outlet. Do not use a damaged charger.
2. Remove the robotic pool cleaner from the pool before allowing people to enter the pool.
3. When examining the robotic pool cleaner, make sure it is switched off.
4. Charge the battery only in the temperature range between 6°C to 35°C.
5. Keep the robotic pool cleaner out of the reach of children or persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction.
   Children shall not do cleaning and maintenance.
6. Use only the original battery charger.
7. The battery charger must be supplied through a power circuit protected by a residual current device (RCD) having a rated residual operating current not exceeding 30mA.
8. The power cord is not user-replaceable. If it is damaged, stop using the battery charger and contact the service center for repair. Do not use an extension cord to connect the battery charger to the electric supply; provide a properly located outlet.
9. DO NOT USE the robotic pool cleaner and/or its battery/power pack in case of mechanical damage to the robotic pool cleaner and/or its battery.
10. To avoid the risk of fire and burns, DO NOT open, crush, heat, or burn the battery case.



Please ensure that the following PRECAUTIONS are implemented:

1. Place the battery charger at least 11 cm above ground for continuous protection against possible electric shock.
2. Position the battery charger at least 3 m from the pool edge during operation.
3. When cleaning the impeller, use the impeller safety tool. See section 4.1.
4. Keep hands and fingers away from the impeller motor area and driving belt mechanism to avoid injury.
5. When lifting the robotic pool cleaner, take care to prevent back injury.
6. Do not use the robotic pool cleaner if you have added liquid flocculant or any other clarifier to the pool water. These substances obstruct and damage the robot filters.

IMPORTANT SAFETY INSTRUCTIONS



The Lithium-Ion battery in this product is non-replaceable. It must be recycled at a certified battery electronics recycler and NOT discarded in the trash or in municipal recycling bins.
Do not disassemble the battery.



Impeller blades hazard



WARNING



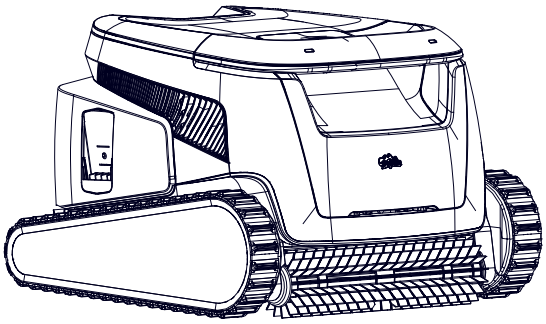
Read User Instructions before servicing

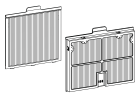
This product complies with EU Directives 2014/35/EU, 2014/53/EU, 2014/30/EU, RoHS and REACH.
For full information, please contact us at **www.maytronics.com/contact-us-en**
and ask for the EU Declaration of Conformity.

SAVE THESE INSTRUCTIONS

1. GETTING STARTED

1.1 What's in the Box





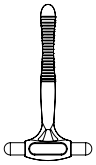
Interchangeable ultra-fine filter panels



Fine and ultra-fine filter basket



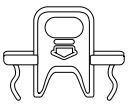
Charger



Clicker

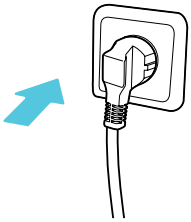


Grab hook

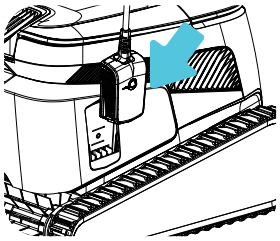


Safety tool for impeller cleaning

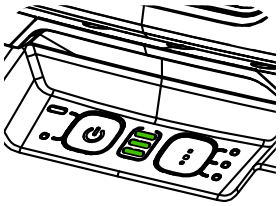
1.2 First Time Use



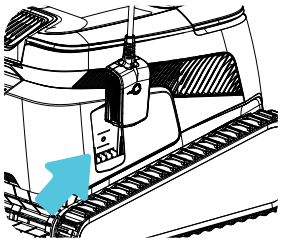
1. Plug the charger into the wall outlet



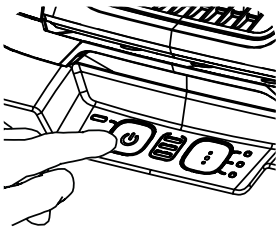
2. Connect the charger to the robot



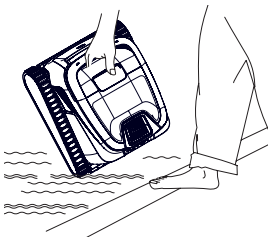
3. Charge the battery to 100% - 3 green bars



4. Unplug the charger



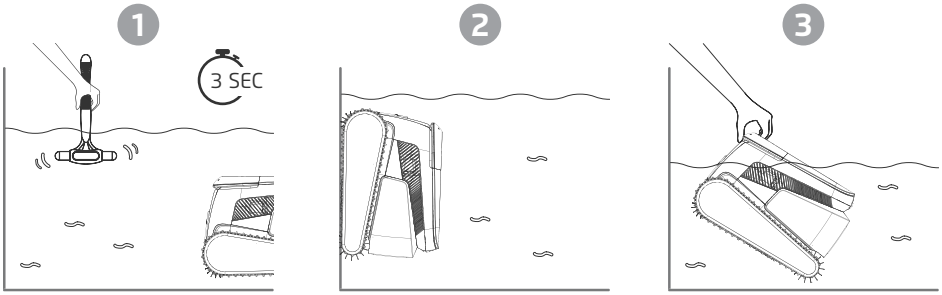
5. Press the power button



6. Put the robot in the pool. It will start cleaning within 30 seconds

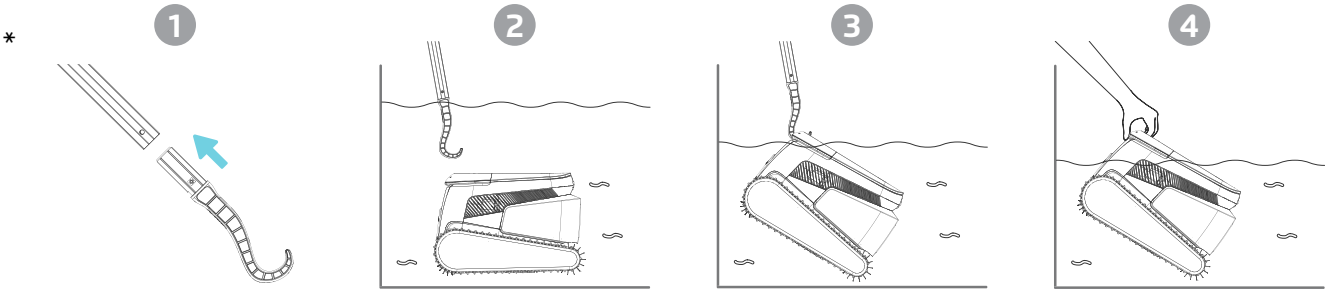
1.3 Removing the robot from the pool

ClickUp™
After the cleaning cycle, shake the Clicker inside the water for over 3 seconds, and the robot will climb the preferred wall. If the LIBERTY is in the middle of a cycle, shake the Clicker for 3 seconds once, and it will stop. Shake it again, and it will climb the wall to be removed.
The feature has enough battery on standby for up to 14 days.



Please note: Using the Clicker in **Eco Mode** to remove the robot from the pool will cancel scheduled cycles - Before returning the robot to the pool, start **Eco Mode** again.

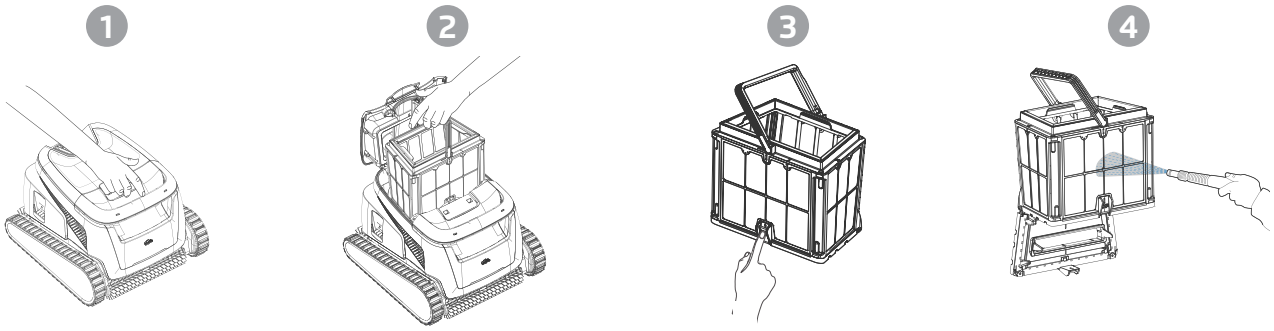
Grab hook - Attach the included hook to a pole (not included). Pull the LIBERTY robot to the waterline, then grab it with your hand to pull it out of the water.



* Standard pole, not included

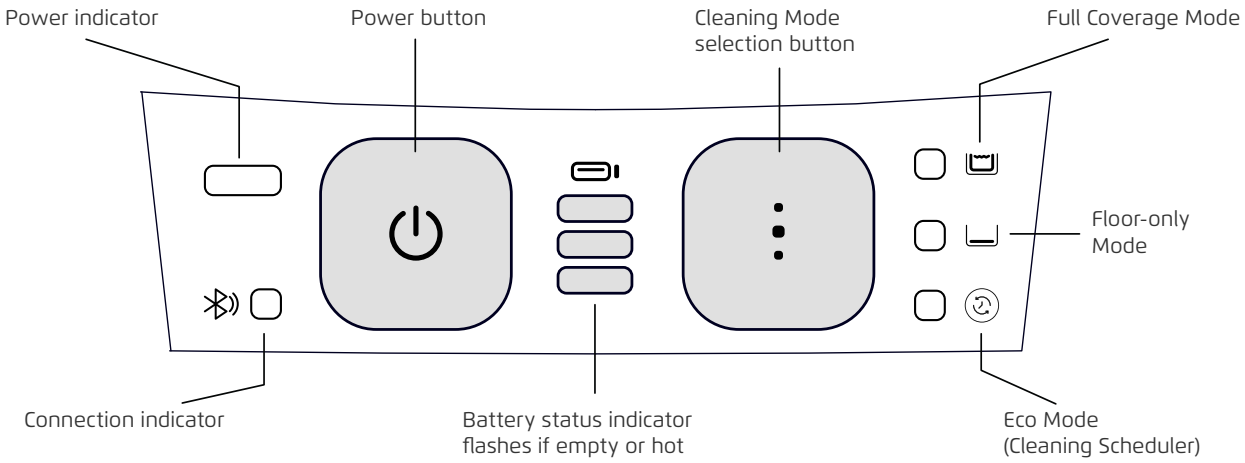
1.4 Cleaning the Filter Basket

We highly recommend quick-rinsing the filter immediately after removing the robot from the pool to prevent debris from hardening on the filter.



Use the ultra-fine panels for more thorough but shorter cycles. The fine (translucent) filter panels catch rough debris, such as leaves and sand. They require less energy to push the water through.
The ultra-fine (opaque, corrugated) panels catch ultra-fine debris such as silt and tiny particles. They get the water cleaner but use more power to push the water through, thus shortening the cleaning cycles.

1.5 Features and Indications





Cleaning Mode Selection
Use the Cleaning Mode Selector to select one of three cleaning modes.
The mode you choose will remain ON until you change it.
1. To activate it, press the power button until the LED lights up.
2. To choose your preferred mode, press the Cleaning Mode Selection button.
   Full Coverage Mode - A 3-hour cleaning cycle that covers the floor, walls, waterline and steps.
   Floor-Only - A 3-hour cleaning cycle that cleans the pool floor.
   Eco Mode Cleaning Scheduler - Allows multiple short cleaning cycles on a single charge, keeping your pool floor clean for 1 to 2 weeks. The default setting is three 1-hour cleaning cycles every two days for one week. For additional scheduling options use the Maytronics One™ app.



Homing
LIBERTY 600 selects a default preferred wall to park at the end of a cleaning cycle, including between Eco Mode cycles. You can change the default wall in the app.



Step Jet-Cleaning
The LIBERTY 600 maximises cleaning coverage by identifying and effectively cleaning steps and ledges in shallow water. In Full Cleaning mode it does this automatically.



Temperature Warning
If the battery LEDs flash alternately between the middle light and the others, move the robot to a shaded area and charge it in a location with a temperature between 5°C and 35°C.



Maytronics One™ App
Use the Maytronics One™ app to customise the robot's settings, including Eco Mode schedules and Homing to park at your preferred wall. Additionally, you can check the filter and battery status, view the cleaning history, troubleshoot any issues, and order accessories or parts.
To get started, download the app, sign up, and follow the instructions to pair it with your robot. You can connect and configure the robot using the Maytronics One™ app **while it is out of the water**. To pair, activate Bluetooth® on your phone and press the robot's power button for three seconds. Then, select the robot from your list of Bluetooth® connections in your phone settings.
For additional features such as remote status checks, automatic updates, and enhanced customer service, you also have the option to connect via Wi-Fi®.

1.6 Charging Recommendations

- To ensure your robot is always ready for use, we recommend charging it immediately after removing it from the water.
- When the battery is low its status indicator will flash, to signal it needs charging.
- Charge the robot in a shaded area until the battery status indicator shows three green bars. This can take up to 4.5 hours.
- The charger is splash-proof, but strong streams of water, such as heavy rain or hoses, and immersion in puddles or the pool could damage it. Therefore it is best to place it in a protected location, above ground.
- After being removed from the pool, the robot can be charged while still wet; however, ensure that the charger does not sit or fall into any water.

2. SPECIFICATIONS

2.1 Robot

Water depth range: 0.4m - 3m
Motor protection: IP 68
Battery Lithium-ion | 9800mAh | 25.2V ; 5Ah / 126Wh
Radio communication:
Bluetooth® 5.0: 2402–2480 MHz | Max Power: 2.1mW
Wi-Fi®: 2412–2484 MHz | Max Power: 99mW

2.2 Water Conditions

Use the robotic pool cleaner only in the following water conditions:
• Chlorine: 4 ppm max.
• pH: 7.0 – 7.8
• Temperature: 5°C – 35°C
• NaCl: 5000 ppm max.

2.3 Battery Charger

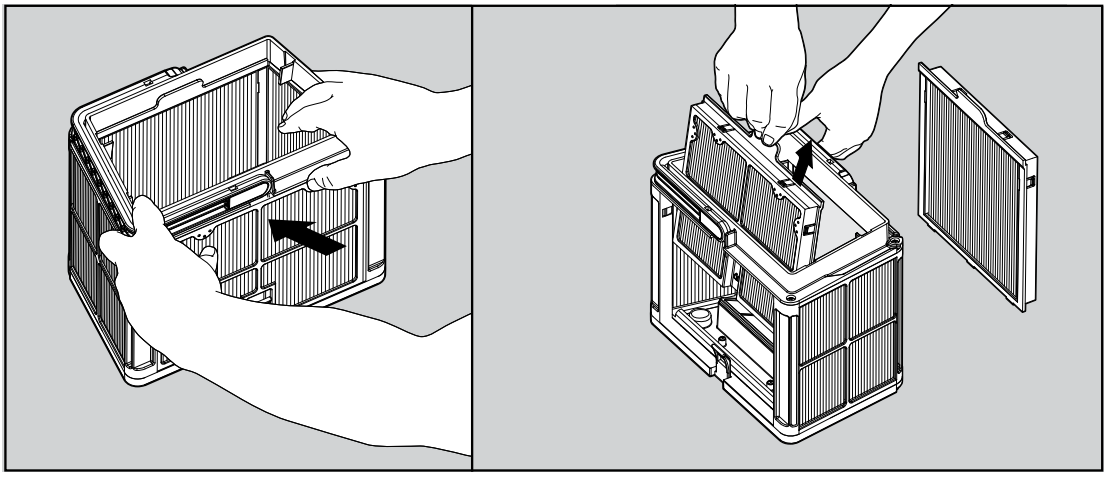
• Protection: IP55 Splashproof - Do not immerse or expose to strong streams or heavy rain.
• Output: <30 VDC

3. STEP JET-CLEANING

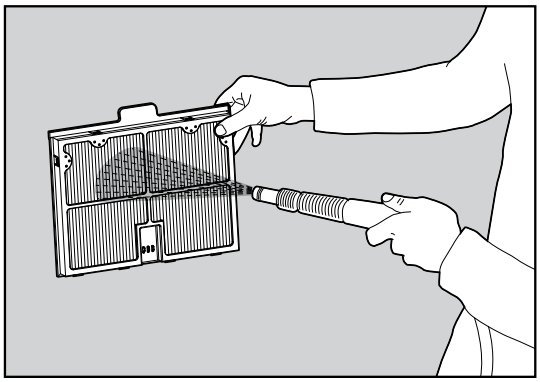
Step Cleaning
LIBERTY 600 maximises cleaning coverage by identifying and properly cleaning steps and sun ledges. It does this automatically in the Full Coverage cleaning mode and in the 1/2 week or 1 week Eco Modes. The 2 week Eco Mode is floor-only. It does not clean the steps.

4. PERIODIC CLEANING - RECOMMENDED ABOUT ONCE A MONTH

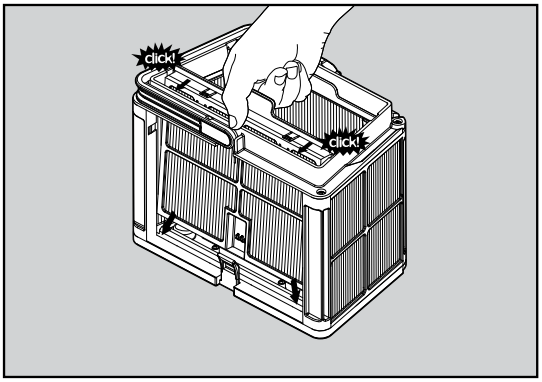
Dismantle the two ultra-fine filter panels of the basket using the following steps:



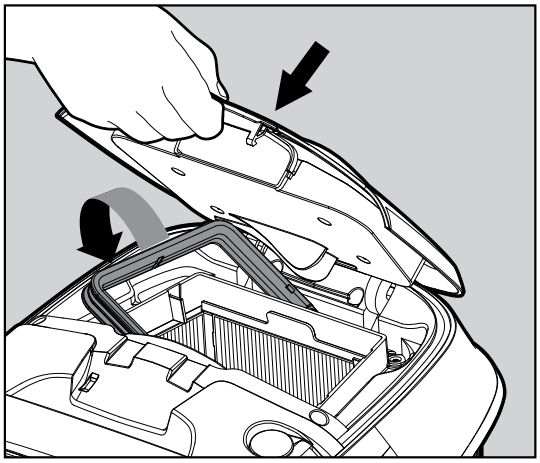
Dismantle the two panels with your thumbs.



Clean the filter panels with a hose.



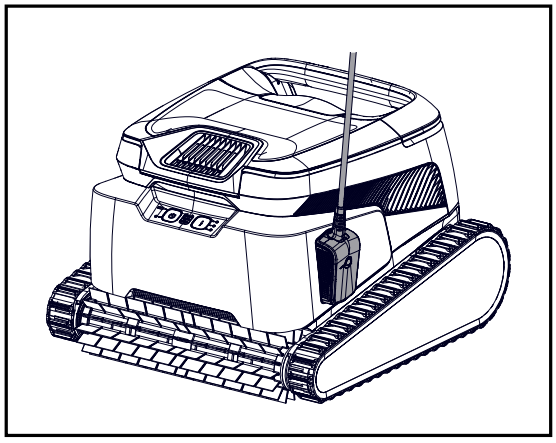
Re-assemble the filter panels.



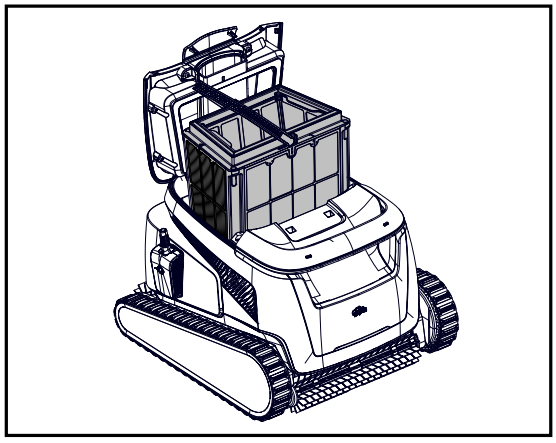
Insert the clean filter basket and close the filter cover.

4.1 Cleaning the Impeller and Step Jet

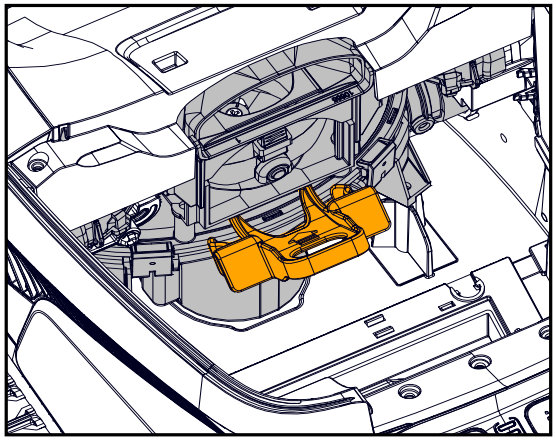
Hair and other debris can get stuck in the impeller, preventing the robot from working correctly. To improve the robot's performance, periodically clean the impeller and step jet.
CAUTION: Connect the charger and turn the robot OFF and insert the impeller cleaning safety tool.



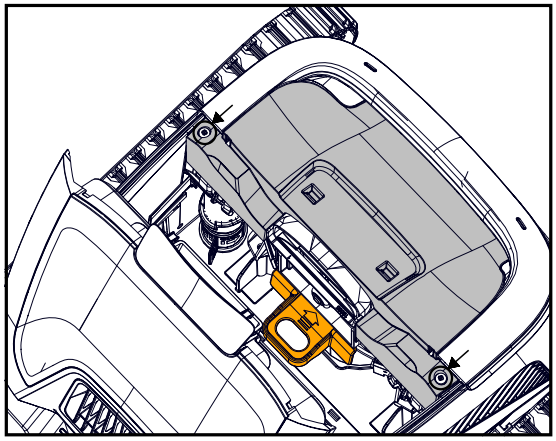
1. Turn the robot OFF and connect the charger to the robot. Keep the robot OFF during this process.



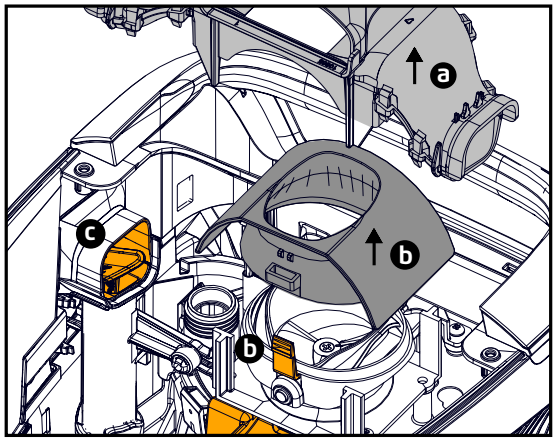
2. Open the lid and remove the filter basket.



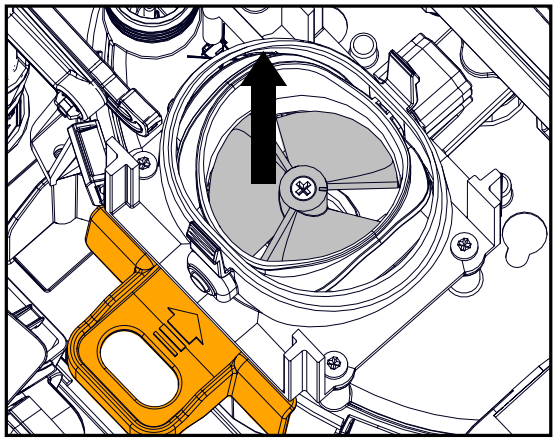
3. Insert the impeller safety tool between the clear plastic and the black motor.



4. Remove the two screws and the cover.



5. a. Remove the exhaust manifold.
   b. Squeeze the two tabs on the sides to remove the servo cap.
   c. Check and clean any debris from the Steps Jet pipe.



6. **Carefully** remove any debris and hair using tweezers or pliers. Be cautious, as the impeller blades are sharp. If required, unscrew the impeller and gently lift it out to clean off any debris.

7. **Carefully** reinsert the impeller and its cap, exhaust manifold, and cover. Gently insert the screws to avoid damaging the plastic.
8. Remove the safety tool.
9. Return the filter basket and close the lid.

5. Maytronics One™ App User GUIDE

App features: You can customise the robot's settings, such as Eco Mode schedules and Homing to park at your chosen wall. You can also check the filter and battery status, view last cleaning cycle, troubleshoot issues independently, contact support, and order accessories or parts.
Connection options: First, the robot connects to your phone via Bluetooth®, then to Wi-Fi® for added features like auto-updates, smoother customer service, and remote status checks.
Note that while the robot is in the water, the app cannot control or communicate with it.
To reconnect, remove the robot and press the power button or connect the charger.

5.1 Getting Started with the Maytronics One™ App

1. Ensure Bluetooth® is enabled on your smartphone.
2. Download the app.
3. Press and hold the power button for 3 seconds to start pairing.
4. Start the app, sign up, and enter the validation code that is sent to your email.
5. Follow instructions in the app to connect via Bluetooth®.
6. Connect via Wi-Fi® for more features.
7. After removing from the water, to re-establish a connection between the robot and the app, either press the power button or connect the charger. It will also automatically connect one hour after removing the robot from the water with the Clicker.
8. Only 1 user is able to connect via Bluetooth® but up to 5 users can connect via Wi-FI®. Any users no longer required can be deleted in the settings.

6. ACTIVATE THE POOL CLEANER USING YOUR MOBILE PHONE

6.1 Maytronics One™ App Features Guide

Starting the Pool Cleaner Via the App

Tap **Clean** and place the robot in the water. If you start the pool cleaner via the app, you will receive a notification when the cycle has finished.

Eco Mode Cleaning Scheduler

Select Eco Mode and leave the robot in the pool to keep the pool clean for 1-2 weeks on one charge. You can choose which Eco Mode cleaning schedule you prefer in the app.
At the end of the scheduled period, take the pool cleaner out to rinse the filter basket and recharge the battery.
There are 3 Eco Modes:
Half week (full coverage) 2 sessions x 90 min. every 72 hours
Whole week (full coverage) 3 sessions x 60 min. every 72 hours
Two weeks (floor-only) 6 sessions x 45 min. every 48 hours

Filter Status

The robot indicator bar on your app home screen displays the filter status with the basket icon. Click on the indication bar for more details.

Cleaning Mode

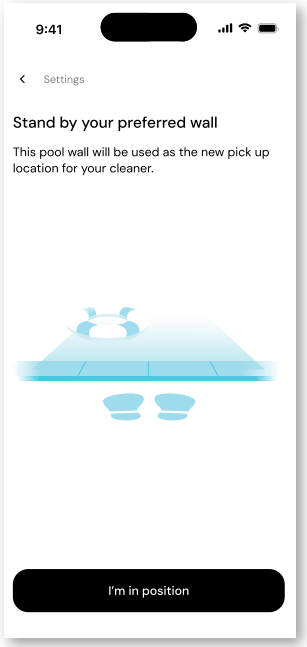
Choose the cleaning cycle according to your pool's needs.
Full Coverage Mode - Cleans pool floor, walls, waterline, and steps.
Floor Mode - Cleans the pool floor.
Eco Mode Cleaning Scheduler - See "Eco Mode" above. Choose your preferred schedule in the app.
Ultra Clean Mode - A shorter, intensive cleaning cycle with stronger suction power.

Robot Error Notification

The app's home screen will show the last error if an error occurs. Tap it, and the app will guide you through troubleshooting the problem.

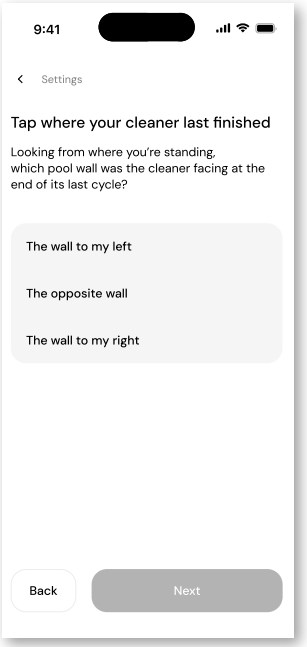
The app is compatible with the following smart devices:
• Apple (iOS) – version 10 and up – iPhone, iPad, iPod
• Android – version 5 and up operating system

6.2 Choose Your Preferred Parking Wall



At the end of the robot's cleaning cycle, **remember which wall the robot stopped at and waited to be taken out.** This is the current Homing wall where the robot is set to wait to be taken out.

If you want to change the Homing wall, **stand next to your preferred pool wall**, facing the pool. Tap the three dots on the home screen to select settings. Select "Home wall". Tap **"I'm in position".**



Select the wall where the robot finished it's last cycle. If the pool is not rectangular, select approximately where the robot parked.

NOTE: This feature works with a built-in compass. The robot will navigate to the selected approximate location using the compass.

7. MAYTRONICS ONE™ - TROUBLESHOOTING

Symptom	Possible reason	Corrective action
I cannot pair the Maytronics One™ app to the robotic pool cleaner.	• The Bluetooth® on one of your devices is either OFF or not in pairing mode. • The mobile phone is too far from the robot. • Mobile phone location is OFF • You did not give the required permissions when installing the app.	• Turn the Bluetooth® OFF and ON again on in your smartphone. For iOS – Go to settings → Bluetooth®. • Get closer to the robot. • Turn mobile phone location ON • Check that the robot's charger is connected well and that your mobile phone's Bluetooth® is searching for nearby devices. • Try uninstalling and reinstalling the Maytronics One™ app, and give all permissions. If it still doesn't find your robot, try restarting your mobile phone. • If none of the above troubleshooting helps, contact infoau@maytronics.com
The Wi-Fi® doesn't stay connected. It works via Bluetooth® when near the robot, but loses Wi-Fi® frequently.	• The Wi-Fi® router alternates between 2.4 and 5 GHz frequencies causing disconnection when the 2.4 one is lost. • The Wi-Fi® signal is too weak to maintain a connection.	• The device connects only to the standard 2.4 GHz Wi-Fi® frequency. If you have a dual or quad band router, to prevent connectivity issues, split and give separate names to the 2.4 and 5GHz networks. Consult your internet provider or see online instructions for your specific router brand. • If the signal near the power supply is not strong enough to easily stream an online video, consider installing a 2.4GHz Wi-Fi® extender.

Symptom	Corrective Action
The robot does not turn ON from the app.	• Make sure that the robot is fully charged with all three green LEDs. • After turning it ON, place it in the water. It is designed not to work outside of the water.

8. ROBOTIC POOL CLEANER - TROUBLESHOOTING

Symptom	Possible reason	Corrective action
The robot does NOT start.	• An object is stuck in the tracks or wheels. • An object or hair is stuck in the impeller. • The robot is not fully charged. • The robot is out of the water. • The red error indicator LED is ON.	• Carefully remove the object from the tracks or wheels. • Clean the impeller (see section 4.1). • Charge the battery to 100% -3 green LED bars. • Place the robot in the water within 30 seconds after starting it. • Check the app for error messages and troubleshooting. • If none of the above troubleshooting helps, contact **infoau@maytronics.com / 1300 693 657**
The robot is moving in circles.	• Clogged filter basket. • Debris is stuck in the impeller housing or impeller cover. • An object is stuck in the tracks or wheels. • The pool's surface is too smooth for this robot model. • Algae buildup or pool water is not balanced correctly.	• Clean the filter basket. It should look white and clean. If it is brown or green, clean it with a hose. If it stays brown, it may be time for a replacement filter. • Clean the impeller (see section 4.1). • Carefully remove the object from the tracks or wheels. • Correct pool and water conditions. • Scrub the algae build up and correctly balance the water.
The robot doesn't charge properly.	• The wall power outlet isn't working. • An object or dirt is preventing a proper magnetic connection between the charger and the robot. • The robot is too hot or cold to be charged properly. • It hasn't charged for long enough.	• The charger has a green LED when it gets electricity from the wall outlet. Test the power outlet with another device or try charging the robot from an outlet that works. • Make sure that the charger connections are clean on the robot • Charge in the shade or indoors. If summer, try charging at night. • It can take up to 4.5 hours for a full charge.
The robot does not turn or moves in one direction only.	• Debris is stuck in the impeller housing or impeller cover.	• Clean the impeller (see section 4.1).
The robot moves but does not clean the pool.	• Clogged filter basket. • Debris stuck in the impeller housing or impeller cover.	• Clean the filter basket. It should be white. If it is brown or green, clean it with a hose. • Clean the impeller (see section 4.1).
The robot does not climb up the walls.	• The filter is too full to allow proper jet propulsion up the wall. • Debris is stuck in the impeller housing. • The pool surface is too slippery. • Algae on walls. • Unsuitable pH level.	• Clean the filter and make sure that there is nothing stuck in the impeller. The filter should be white. If it is brown or green, clean it with a hose. • Clean the impeller (see section 4.1). • Consider buying a "Combined Brush" at your local service center. • Check the level of chemicals in the water. Improper levels may allow the growth of algae, making the walls slippery. If so, scrub the algae and correctly balance the pool water.
Robot is not waiting at the waterline when I arrived. It is standing near a wall.	At the end of each cycle, the robot waits on the floor next to its home wall.	• When shaking the Clicker in the water for over 3 seconds, the robot will climb to the waterline and wait for 1 minute. • The ClickUp feature is available for up to 14 days after a normal 3-hour cycle if the battery was fully charged before it was started. • After Eco Mode or if the battery wasn't full when started, the ClickUp feature is available for at least 2 days. • If the robot is not taken out after 1 minute of waiting, it will climb down and turn to face another wall. The next time you use the Clicker in the water, the robot will climb up a different wall.

If this troubleshooting guide didn't solve your problem contact AU Care - **infoau@maytronics.com / 1300 693 657**

9. OFF-SEASON STORAGE

Before off-season storage - we recommend charging the battery to about 50% (2 green bars in the battery indicator panel).
Recommended storage temperature range: -10°C - 40°C.
Storing the robot in a hot location will likely damage the battery.
Following off-season storage, fully charge the robot.

10. CONTACT MAYTRONICS CUSTOMER CARE

Australia, NZ, South Africa

1 300 693 657 / infoau@maytronics.com