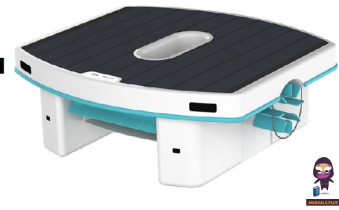**Manuals+** — User Manuals Simplified.

Skimmi Automated
Solar Powered
Robotic Pool
Skimmer

Dolphin Skimmi Automated Solar Powered Robotic Pool Skimmer User Manual

Contents

Dolphin Skimmi Automated Solar Powered Robotic Pool Skimmer

User Instructions

Skimmi Robotic Pool Skimmer You will enjoy the time and money you'll now save cleaning your pool with your new Skimmi autonomous, solar-powered robotic pool skimmer. It cleans the entire water surface, including debris on the walls. Using Skimmi is super easy and efficient. Just turn it ON, place Skimmi in the water, and start it with the app or turn ON Auto-Start. Cable-free and no need to charge the battery. As autonomous as can be, Skimmi avoids hoses, obstacles, and traps, charges intelligently with the sun, and it saves enough energy to work at night for your morning swim. Skimmi saves you tons of time with the net, and energy on the pump, and it only requires occasional quick rinsing of the filter tray and solar panel.

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALL INSTRUCTIONS

WARNINGS

1. To avoid injuries or being startled in the water due to an unexpected collision with the robot, do not swim while the robot is in the water.
2. Overheating – Do not store the robot in a hot location, such as a car.
3. Service by a certified technician only. This product contains a Li-Ion battery pack. Do not attempt to open or replace the battery as this may damage the battery which can cause an explosion, battery chemical leak, corrosion, and swelling due to water entering the battery.
4. This appliance can be used by children aged 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 the 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 done by children without supervision.

CAUTIONS

1. If damaged – Do not use the robot in case of mechanical damage to the robot or battery. Take it to an authorized Maytronics technician.
2. Repairs by an unauthorized person void warranty – Do not attempt to open and repair the robot beyond instructions given in the quick guide and user manual. Any repairs done by a non-authorized technician can

damage the product and would void the warranty.

3. Do not push the robot underwater. It is waterproof, but not designed to withstand the water pressure if submerged. Water entering the robot could corrode and damage the internal parts of the robot.
4. It should be recycled at certified electronics battery recyclers that accept batteries. Batteries should not be discarded in the trash or put into municipal recycling bins. Do not disassemble the battery.
5. When you need to dispose of your faulty robot, please follow your local region's instructions.

Radio transmitter

- Bluetooth®:
- Frequency range: 2402-2480 MHz
- Transmitted power: 0.008W

MyDolphin™ SKIMMI APP INSTRUCTIONS

Pairing with your phone

1. Download the MyDolphinTM Skimmi app from the app store.
2. Agree to Maytronics Terms of Service and Privacy Policy. Tap to read them.
3. Make sure Bluetooth® is active on your smartphone.
4. Tap the pencil to name your robot. It's more fun, and this way if your neighbor also gets one, you won't get them confused.
5. Select your newly named Skimmi.
6. Rotate the front wheel of the robot to pair the robot with the phone.
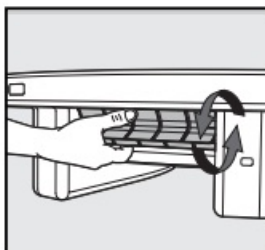
Start the robot

1. Tap "Start Clean" on the app home screen. Its default program will clean your pool, save energy for night work, and ensure optimal battery care.
2. There is an "Auto Start" feature to use the robot without the app. If you turn it ON in "Device Settings", the robot will start 15 seconds after inserting the filter tray all the way.
3. You can change the default settings to fit your pool type or bathing habits in the "Settings" menu.

Warranty and registration popups

1. You will receive a notification to fill in the online warranty. Doing so online will save you the need to post-mail it and it will speed up any service issues that might occur.
   Note: Make sure to have your "Skimmi" serial number to register it. The number is on a sticker under the robot on the inside of the floats and in the "General Information" section of "Device Settings" in the MyDolphin™

Skimmi app.

2. Opt-in to receive updates and promotions from Maytronics.

3. Tap "Terms & Policies" to read the policies.

4. Tap "Submit" to continue.

Manual/remote control

1. Tap "Manual Drive" to see the manual control interface.

2. Slide the left controller to drive it forward or backward.

3. Tap "Cruise" and the app will hold the forward or backward button where you left it.

4. Slide the right controller to turn left or right.

5. Tap "Clean Wall" when next to a wall to create a flow of water that pulls debris from the wall into the filter tray.
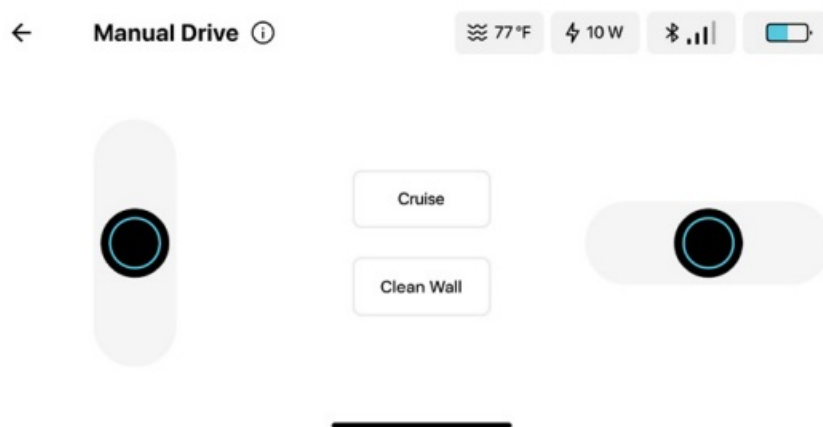
Robot status and indications

The robot has various sensors and indicators to help you properly set it and to know that everything is working as expected.

1. The battery indicator shows how much energy the battery has stored. If the battery level is low, Skimmi hibernates to preserve battery life. If it is between 25-100, it works as usual. When it is full, the charge from the solar panel bypasses the battery and powers the motors directly without finding direct sunlight and stopping for Smart Solar Recharge breaks. This is done to preserve battery life and provide more work time.

2. The Bluetooth® icon shows the strength of the connection.

3. The charging/lightning bolt shows how many watts the sun is currently charging the robot.

4. The temperature indicator shows the water temperature.

5. The robot status line describes what the robot is doing or if there is an error that needs to be taken care of, such as something stuck in one of the wheels.

SETTINGS

Tap "Settings" in the app home screen to change the default settings.

DEVICE SETTINGS

While the default settings are ideal for most situations, you can adjust these settings according to your needs.

- Auto Start – Turn ON to automatically activate the robot when inserting the Debris Tray until it snaps into place. Note that if you turn Auto Start ON, you should use the clips that came with the tray when storing, so that it stays OFF and doesn't wear the batteries out in storage.
- Speed – You can change it from "Auto", to "Slow" or "Fast". "Auto" is the default and it slows the Skimmi at night so that it is quieter. The "Fast" setting remains fast day and night, so you may notice the noise more when everything is quiet.
- Water Edge Cleaning – Water Edge Cleaning creates a micro-current to pull debris from the edge and scoop it up. Skimmi is set by default to Eco, where it cleans every 3rd wall it gets to. This way it reduces battery consumption while cleaning all of the walls during the day, usually within an hour or two.
- Water Clarity – If the water isn't clear, it affects the sensors' ability to accurately detect obstacles. Cloudy water can cause Skimmi to turn frequently or even turn in circles. Set to "Cloudy" or "Murky" if the water is murky so that the sensors won't get confused.
- Night Light – The robot has fun accent lighting when working at night. You can leave it on "Constant", or change to "Flashing", when it "Detects" an object/wall, or "OFF".
- Debris Washing – Turn OFF if you don't want the robot to remove debris near the wall. If ON, it will splash water on the walls during Water Edge Cleaning to remove debris.
- Smart Detect – Choose between "Avoid Hose and cable" or "Leaves search".
- Distance to Edge – Set your optimal response distance to the edge of your pool so that Skimmi doesn't turn too far from the edge or bump into it frequently.
- Pool Type – Set by default for regular, clear pools. If changed to "Natural", it will protect plants and other elements on the pond's edge. It won't clean the water's edge in "Natural" mode.
- Smart Solar Recharge – During pauses in the cleaning intervals, the robot finds direct sunlight before pausing to charge.
- Wheels Unblock – The robot is programmed to do various actions to try to remove objects if they get stuck in its wheels. If it is unsuccessful, it stops and gives an error alert so that you can remove the object manually. It is on "Auto" by default. If there are strong winds or currents, or the filter tray is full and heavy, Skimmi may have a difficult time navigating. Setting "Wheels Unblock" to "Forced" will use more battery power to increase motor strength.
- Sound Alert – If there is an error or if the wheels are stuck, the robot will beep to notify you even if you are not using the app.

CLEANING SCHEDULE

We recommend not to set it for long work periods in low-light conditions because it has no way to recharge itself and this can drain the battery. In low-direct-sun conditions, we recommend increasing the "Start Delay". It strengthens the battery by delaying work after sunset and sunrise. That means that it will work before your morning swim, but not the whole night, and it will recharge in the morning before it starts working. There is rarely a need to change the settings. The robot is set for most climates to keep the pool clean while protecting the battery from running high or low and thus being damaged. It alternates between work and rest/recharge periods. In low-light conditions, if the battery is often low, you can increase the rest periods and set it to work for shorter periods. In low-light conditions, we also recommend turning ON the "Auto-Start" setting, so that the robot automatically starts again in the morning if the battery ran low at night.

Note that some of the "Device Settings" ("Waterline Cleaning Frequency" and "Wheels Unblock") also affect how much the battery is drained.

- Day Cleaning – Cleaning cycle duration during the day.
- Day Pause – Skimmi finds direct sunlight and pauses its work for the set amount of time to charge its battery. If the battery is full, it doesn't pause.
- Night Cleaning – Cleaning cycle duration at night. Note that this is short because the robot does not recharge at night.
- Night Pause – Breaks in between cleaning cycles. Note that this pause is long so that the robot doesn't drain its battery at night.
- Start Delay – Delay the start of the first cleaning after dawn and dusk. Start delay is useful in low-light conditions. It allows the robot to fill up its battery in the morning before starting to work and it waits a few hours at night before starting to work so that there is enough battery power left to clean the pool right before your morning swim.

APP SETTINGS

Select your preferred language and units of measurement (Celsius or Fahrenheit).

BATTERY RECOMMENDATIONS

- Set and forget: In most situations, you don't need to do anything to charge Dolphin Skimmi. Just leave it in the water and the robot charges itself whenever the sun is out. If left to its default work/rest schedule, the charge is usually sufficient for daytime and nighttime work.
- If there is no direct sunlight in the pool you can remove the robot and place it in a sunny location for it to charge. Note that placing it on hot pavement can damage the battery – place Skimmi on the lawn or yard furniture. To prevent debris from hardening and clogging the filter, be sure to rinse the filter tray before placing it in a dry, sunny area outside of the pool. Don't insert the filter tray all the way so that the robot won't run while charging.
- If there are low-sunlight conditions like cloudy or high latitudes, and the battery frequently runs low, you can increase the "Start Delay" option in the "Cleaning Schedule" settings. This will save battery for night work before the morning swim and will give it more time to charge in the morning before it starts to work. Also, you can increase the "Day Pause" and "Night Pause" to adjust its work schedule to low-sun conditions.
- Preserving the battery: Be sure that the robot is not left in a very hot location (such as a car or hot pavement) as this will likely damage the battery and void the warranty. The default settings are programmed for maximal battery life.
- Cleaning the solar panel: Periodically clean dust and pollen off the solar panel surface gently to maximize charging efficiency. Use a soft towel or sponge with soap for any accumulated sunscreen. If limescale develops, you can clean it with vinegar and a soft towel.
- Battery preservation: Skimmi is equipped with an algorithm to automatically prolong battery life. The solar panel bypasses the battery whenever it is full and powers the motors directly. This feature minimizes wear and tear on the battery and protects it from overcharging.
- Smart Solar Recharge is ON by default and causes the robot to actively search for a sunny place to charge when the robot pauses. We recommend leaving it ON, especially if you have shady spots, as it improves battery charging.
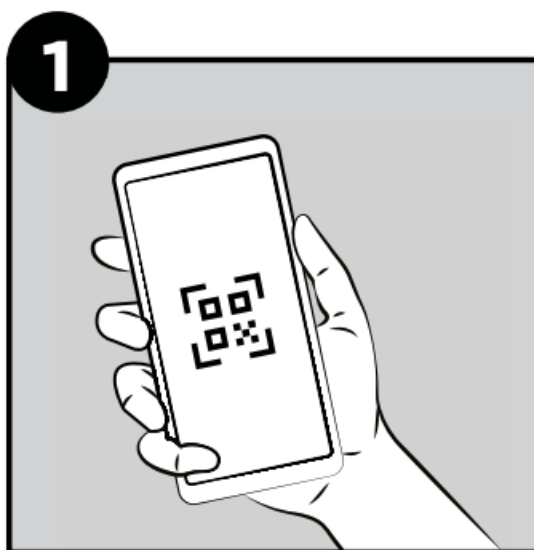
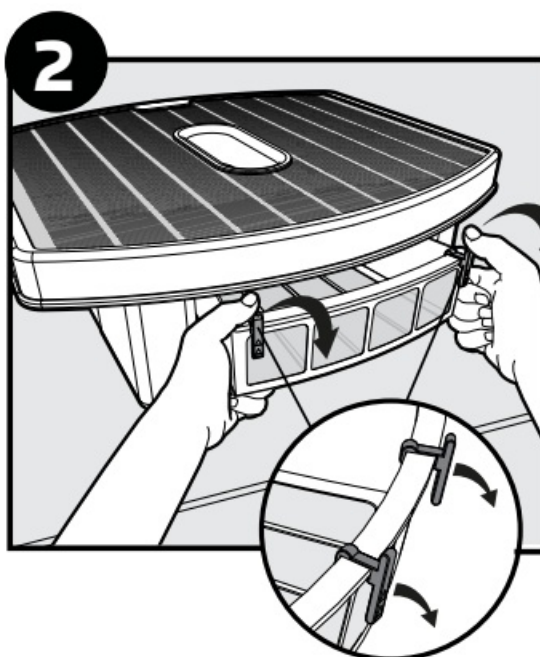**QUICK START GUIDE**

Getting started

1. Scan QR code.

2. Register for the warranty. The serial number is under the robot, on the inside of the floats.

1. Remove 2 storage clips from the filter tray. We recommend saving them to keep the robot OFF when in storage.
2. Insert the filter tray until it snaps into place to activate the robot.

1. Install the phone app MyDolphinTM Skimmi from the store.
2. Start the app and connect.

1. Spin the front paddle wheel during the first pairing.
2. Configure settings if needed.
3. See the "Settings" section of the user manual for details.
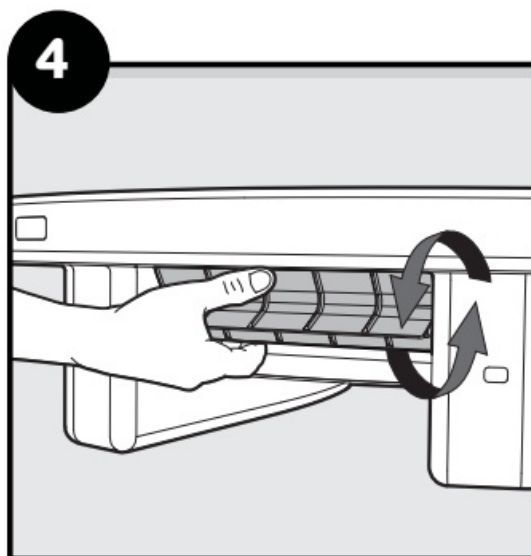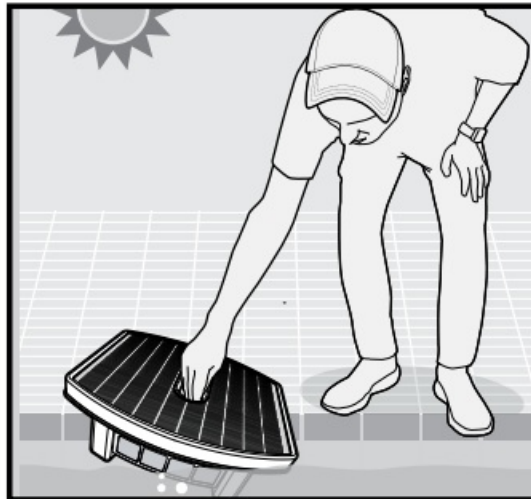

Start via app or automatically

Start with app (default)

Close the filter tray and start Skimmi via the app. "Auto Start" Turn ON "Auto Start" in the device settings. Now whenever the filter tray is closed, Skimmi will start working after 15 seconds.
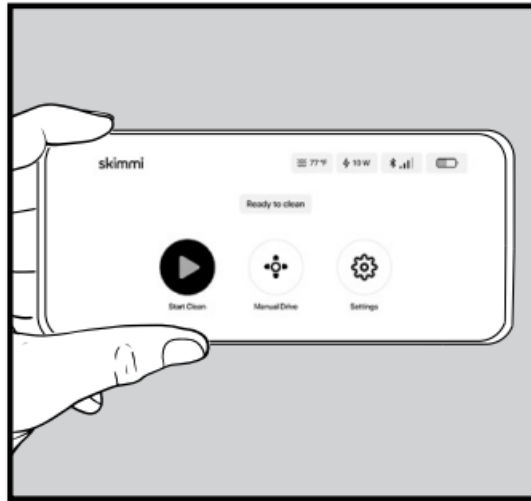
Let it swim

Place Skimmi in a sunny pool. No need to charge or remove Skimmi, except to rinse the filter tray

**Features and options**

Skimmi's default settings are ideal for most pools. However, here are some settings that you may want to adjust in the app setup:

1. Cleaning Schedule – To maximize battery life, we recommend using the default settings for work rest cycles, which are: Day – 20 minutes work – 10 minutes break. Night – 10 minutes work – 1 hour break. You can change the defaults in the app settings.
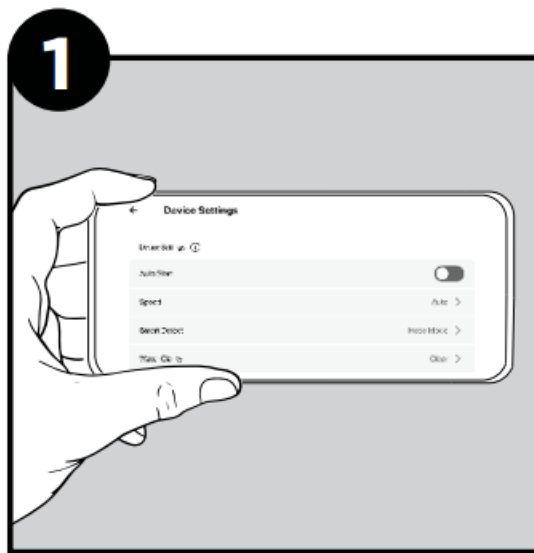
2. Pool Type: If your pool is a pond with plants, select "Natural" to prevent damage to plants.
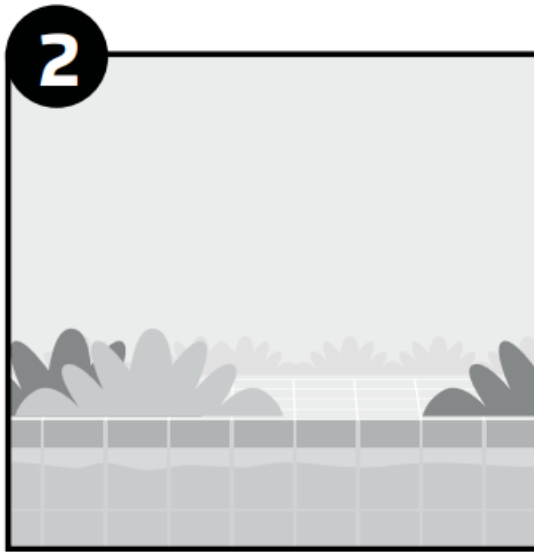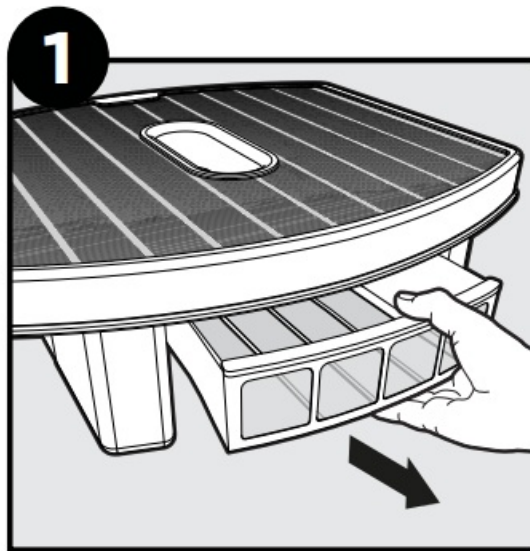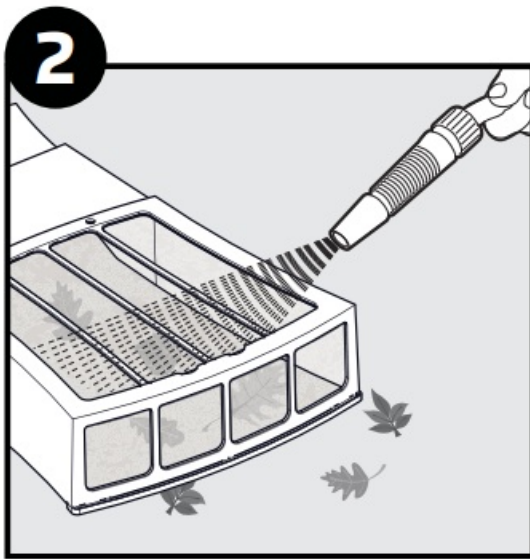

Cleaning

Note: Be sure to clean the filter tray before it dries out to prevent debris from sticking to the filter.
If battery charges slowly: The solar panel may need to gently be cleaned from dust, grime, or lime scale.

Rinse filter tray

1. Remove the filter tray.

2. Use a low-pressure hose to gently wash debris from both sides.

Clean solar panel

Rinse dust off with water and your hand. For oily grime (sunscreen, etc…), use a gentle sponge or rag with soap and water.
Note: Abrasive scrubbing could scratch the solar panel.

FEATURE DESCRIPTIONS

- Auto-Start

  Turn "Auto-Start" ON in the device settings and Skimmi will start 15 seconds after inserting the filter tray without needing to open the app.
- Smart Detection

  Skimmi avoids obstacles and hoses in the water, searches for large debris, and you sets the distance it keeps from walls.
- Smart Sensing

  Intelligently adjusts to solar energy conditions to maximize battery efficiency and save energy for night work.

  Skimmi provides real-time water temperature via the app.
- Water Edge Cleaning

  When near a wall, Skimmi creates a micro-current to pull debris away from the wall and into the filter tray.

- Manual Drive

  Drive the robot via the remote control in the user app to get to hard-to-reach areas and bring Skimmi to you to easily remove it from the pool, or just to have fun.
- Smart Solar Recharge

  Searches for a location with direct sunlight while taking a break to recharge.
- Pond/Eco Pool Mode

  For ponds or other natural pools, Skimmi can be optimized to avoid bumping into stone banks while being gentle on plants or other natural assets.
- Works Day and Night

  For a clean morning swim, Skimmi saves enough energy to work at night.
- Infinity Pool Ready

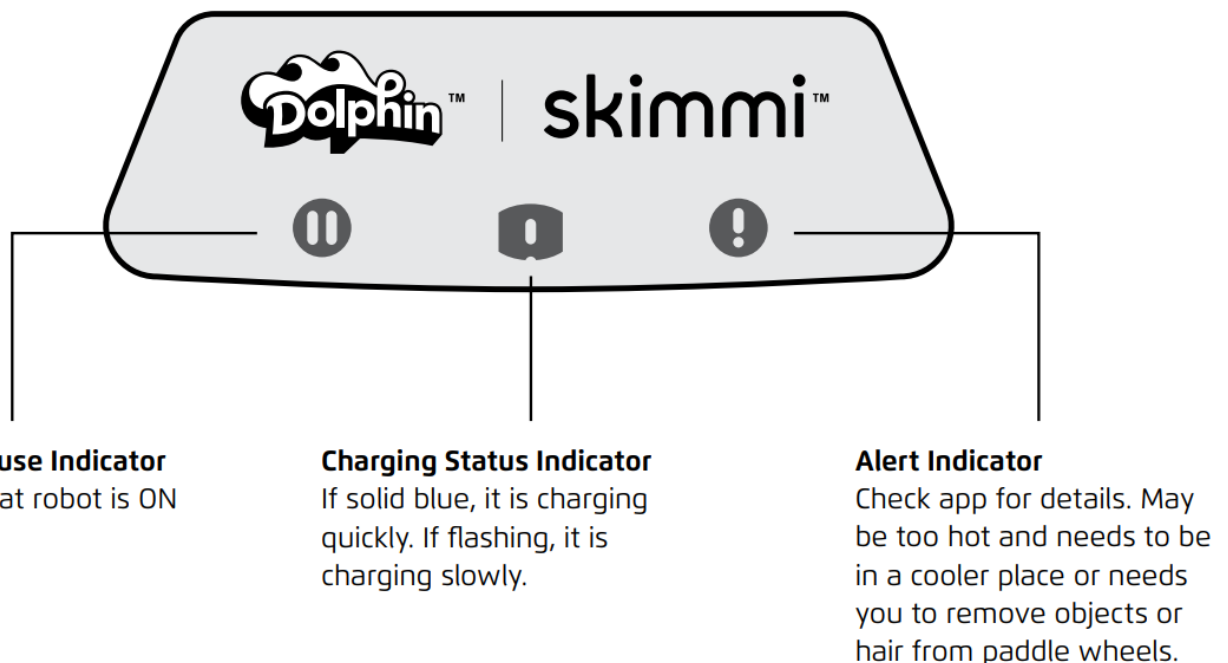 Skimmi can sense and respond to the 'invisible' edge of an infinity pool.
- Night Light

  Blue accent lighting when working at night creates a pleasant atmosphere and lets swimmers know when Skimmi is nearby. It does not affect Skimmi's functioning.

WATER RESISTANCE – IP-X7

IP-X7 – While Skimmi is able to handle being submerged for up to 1m for short periods, we recommend not submerging it or washing it with a high-powered water stream because if you accidentally go beyond the resistance that it's designed for, water can get it and cause corrosion.

LED INDICATORS

Green Pause Indicator
Shows that robot is ON standby.

Charging Status Indicator
If solid blue, it is charging quickly. If flashing, it is charging slowly.

Alert Indicator
Check app for details. May be too hot and needs to be in a cooler place or needs you to remove objects or hair from paddle wheels.

The status line in the app consistently clarifies the current condition of the robot.

Green Pause Indicator

Lights continuously when the robot is switched ON (filter tray is inserted) and no cleaning program is selected

- Turns OFF during cleaning
- Single-blink every 10 seconds
- Double-blink – battery low – Skimmi is hibernating until the sun charges it enough

Charging Status Indicator

- Lights continuously when charging quickly (when solar power is higher than 0.3W)
- Blinks when charging slowly (if the solar power is less than 0.3W)
- Turns OFF in the evening (solar power is zero) or when the battery is fully charged

Alert Indicator

- Flashes once every 2sec = ambient temperature below 4°C (risk of freezing) or above 55°C (the robot is probably lying on hot pavement, and charging has been disconnected)
  BEEP: once short beep every 2sec
- Flashes twice every 2sec = battery temperature below 4°C (risk of damage) or above 55°C (risk of battery damage, charging disconnected)
  BEEP: two short beeps every 2sec
- Flashes 3 times every 2sec = the robot failed to remove the stuck object or hair from one of the wheels
  BEEP: three short beeps every 2sec

OFF-SEASON STORAGE

- Before off-season storage – we recommend charging the battery between 50% – 75%.
- Recommended storage temperature range: 5°C – 40°C / 40°F – 104°F. Storing the robot in a colder or hotter location will likely damage the battery.
- Clean the filter tray before storing so that debris does not harden and become difficult to remove.
- To prevent draining the battery while in storage, place the clips, or another means of ensuring that the tray doesn't close all the way, so that the robot stays OFF.
- After off-season storage, clean the solar panel, turn the robot ON, and activate it in a sunny pool.

TROUBLESHOOTING

Symptom	Possible reason	Corrective action
Robot can't be switched ON. Green pause LED ⏻ is not lit or blinking	• The filter tray is not inserted correctly. • Battery is not charged.	• Remove clips from the filter tray (if still there) and insert the tray until it snaps into place. • Insert the filter tray and place the robot in direct sunlight. The robot will immediately switch ON, the green Pause LED, and the blue Charge LED will light up. If it still doesn't work after charging in the sun, contact Customer Care: wecare@maytronics.com
Switching ON the robot is not confirmed by a beep. After inserting the filter tray, the robot switches OFF in a moment. Green pause LED ⏻ double-blinks	• Battery is too low.	• Place the robot in direct sunlight and let the battery recharge.
After night cleaning, the robot doesn't move and the green pause LED ⏻ is lit continuously. It will only start up again when the Start button is pressed.	• "Auto Start" is disabled and low-light conditions do not allow the battery to adequately charge for night work, so Skimmi turns OFF at night. • Night cleaning settings are too demanding, causing the battery to drain.	• Open the app and turn "Auto Start" = ON in "Device Settings". • Reduce night cleaning time and increase night pause time in "Device Settings". Also, turn "Start Delay" ON in the settings "Cleaning Schedule".
Robot can only be switched ON in a sunny place. The app indicates a charged battery. However, the robot switches OFF immediately if it is shaded.	• Faulty battery.	• Replace the battery Contact Customer Care: wecare@maytronics.com
Robot does not move.	• Cleaning has not started (green pause ⏻ LED constantly ON). • Robot is on a pause between cleanings (green pause ⏻ LED single-blinks every 5 seconds). • Battery is low (green pause ⏻ LED double-blinks every 10 seconds). • New app update failed (green pause ⏻ LED is constantly blinking).	• Open the app and tap the Start button. • Wait until the next cleaning cycle starts if the status bar in the app shows that it is in a recharge pause. • Wait for the battery to charge in the sun. • Open the app and complete the robot's software update.
Robot has stopped moving, it gives a warning signal, the red LED flashes.	• There is an object stuck in one of the wheels of the robot.	• Open the app and use the robot's message to find out which wheel is stuck. Remove the object or hair. If it still doesn't work, contact Customer Care: wecare@maytronics.com

Symptom	Possible reason	Corrective action
Robot often stands still, the cleaning time has been significantly reduced.	• Cloudy skies, low sunny intensity for a long time. • Decreased battery capacity.	• Reduce the length of cleaning intervals and extend the pauses. Turn OFF energy-intensive functions ("Debris Washing" = OFF, "Speed" = Low, "Wheels Unblock" = Auto) and instead turn "Smart Solar Recharge" = ON, set the "Start Delay" to at least 1-2 hours. Keep the solar panel clean. Empty the filter tray more often. • Contact Customer Care to replace the battery: wecare@maytronics.com
Robot turns only in circles.	• Sensor covers are dirty. • Salt in the pool is not perfectly dissolved, the water is polluted. • Water's gotten into the robot.	• Wipe off dirt with a damp cloth. • Open the app and select a lower water quality in the "Smart Detect" function or turn the function OFF. • Contact Customer Care: wecare@maytronics.com
The robot's movement is chaotic, the robot changes direction frequently and randomly.	• The pool surface is covered with a thick layer of leaves which confuses the sensors. • Water is murky or contains many small objects which confuses the sensors. • Due to strong winds, waves form on the surface and the robot sways violently. • Filter tray is full.	• In the app turn "Smart Detect" to OFF. • In the "Smart Detect" function, select a lower water quality or switch the function OFF. • Turn "Smart Detect" to OFF. • Empty the filter tray and wash with a stream of water.
Robot does not collect debris in the filter tray, it pushes small objects in front of it.	• Non-return flap is stuck or has been incorrectly installed. • Filter tray is full.	• Check if the non-return flap of the filter tray is connected properly. See the illustration below. • Empty the filter tray and wash it with a stream of water.
A paddle wheel often jams when moving. Red ⓘ alert indicator triple-blinking and beeping	• Hair or another object is wrapped around the shaft, reducing the strength of the wheel. • Filter tray is full. • Low strength of motors.	• Remove unwanted hair or other object. • Empty the filter tray and rinse it. • Open the app and set "Wheels Unblock" to "Forced" (note that this option will increase the robot's power consumption and thus reduce the overall cleaning time).
When moving, the front of the robot dives more, the collection wheel makes a "slapping" sound.	• Filter tray is full. • The robot is pulled by a strong stream of water from the filter pump, or a strong wind is blowing. • The non-return flap is stuck or has been incorrectly installed. • Water's gotten into the robot.	• Empty the filter tray and rinse it. • Short-term instability. This will fix itself when the abnormal situation changes. • Check if the non-return flap of the filter tray is connected properly. See the illustration below. • Contact Customer Care: wecare@maytronics.com
APP cannot find or connect to the robot.	• Robot is turned OFF. • Battery is not charged. • Large distance or obstacles between the smartphone and the robot. • Robot is currently connected to another smartphone.	• Insert the filter tray. • Place the robot in direct sunlight and let the battery recharge. • Move your smartphone close to the robot. • Robot can only be connected to one smartphone at a time. Close the app of the other smartphone.

Symptom	Possible reason	Corrective action
Robot is placed in a sunny location, but the charging power is zero or very low.	• Battery is fully charged. • Processor is testing the battery. • Surface of the solar panel is dirty. • High battery temperature. • Faulty battery or faulty solar panel.	• This is normal when the battery is full – so that the robot runs on solar power instead of battery. When the sunlight becomes weaker, the battery will start to power the robot again and will continue charging. • Normal operating condition, charging resumes within a few seconds. • Clean the panel with a damp cloth or wash the surface with a stream of water. • Move the robot to a cooler place or leave it in the pool. Once the battery temperature drops the recharge will resume immediately. • If none of the above solutions helped, contact Customer Care to locate your nearest Maytronics certified service station: wecare@maytronics.com
Solar panel is covered by plaque (limescale).	• Your local water has a high level of calcium (hardwater). Calcium is deposited on surfaces and accumulates into plaque.	• Clean gently with lemon juice or diluted citric acid or vinegar. • Prevent future buildup by rinsing less frequently or towel drying. Also, you can balance your pool's pH with a water test strip and adding pool-grade acid accordingly.
Robot pushes against the edge of an infinity pool.	• In the "Smart Detect" setting, the underwater sensor sensitivity is set to "Cloudy" or "Murky" causing it to get too close to the edge.	• If the pool water is clear, change the "Water Clarity" setting to "Clear" or "Crystal Clear". • If the pool is "Natural" and has cloudy water due to algae or silt, set the "Pool Type" setting to "Natural". Then the robot will reverse when approaching a wall, instead of turning.

Replacing the non-return flap if it comes off the filter tray.
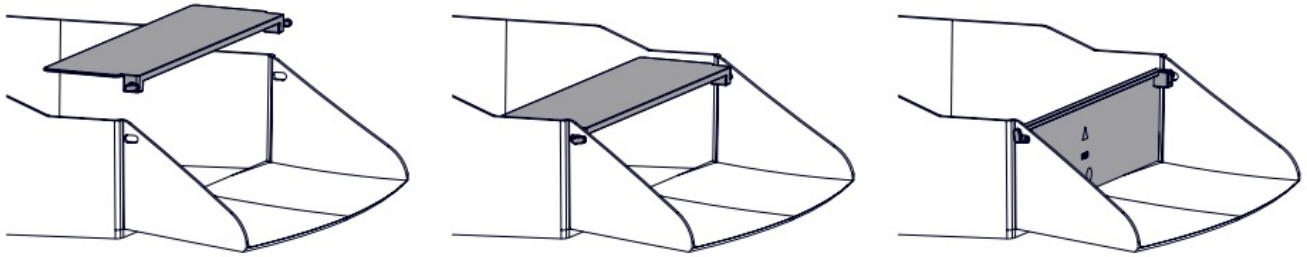
If none of these solutions solve your problem, contact Maytronics Customer Care:

North America

- 1-**888-365-7446** ext. 1002
- **customersupport@maytronicsus.com**
- Rest of the world / Maytronics HQ
- 00 800 69694141 (toll free number)
- 00 972 77 96 14 204 (international call)
- **wecare@maytronics.com**

For full information and additional troubleshooting please visit us at:

- **www.maytronics.com**

Documents / Resources

Dolphin Skimmi Automated Solar Powered Robotic Pool Skimmer [pdf] User Manual
Skimmi Automated Solar Powered Robotic Pool Skimmer, Skimmi, Automated Solar Powered Robotic Pool Skimmer, Solar Powered Robotic Pool Skimmer, Powered Robotic Pool Skimmer, Robotic Pool Skimmer, Pool Skimmer, Skimmer

References

- ⌇ **Maytronics: Dolphin Robotic Pool Vacuum Cleaner**
- **User Manual**