

## **FREERIDER™**

**Cordless Robotic Cleaner**

**FR500 iQ**

**FR800 iQ**

**Model: TYPE EA35--**

### **⚠ WARNING**

**FOR YOUR SAFETY** – For anything other than the routine cleaning and maintenance described in this guide, this product must be serviced by a qualified professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in the product's complete installation and operations manual can be followed exactly. All safety instructions in the complete manual must be followed explicitly in order to prevent injury hazards. Improper installation and/or operation may void the warranty. Never turn the cleaner on unless it is fully submerged in the water. Doing so may void the warranty and may cause severe damage to the cleaner motors.

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**SAVE THESE INSTRUCTIONS**

# FCC Statement

This device complies with Part 15 of the FCC Rules and IC licence-exempt RSS standard. 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 instruction, 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 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 circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help

## ⚠ CAUTION

Any changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

- NOTE:** This device complies with FCC and IC RF radiation exposure limits set forth for general population. This device must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

## Section 1. Important Safety Instructions

# READ AND FOLLOW ALL INSTRUCTIONS

Congratulations on purchasing this Zodiac Robotic Pool Cleaner. Please read through the entire manual before installing your new robotic pool cleaner. Your cleaner must be installed and operated as specified.

## ⚠ WARNING

Failure to comply with the following warnings can result in permanent injury, electrocution or death.

**PREVENT ELECTRICAL SHOCK**

To reduce risk of electrical shock:

- Please read the manual carefully, especially the safety instructions, and make sure you understand them fully before using the product. Only use the equipment for the purposes specifically intended by the manufacturer. Carefully follow the instructions on operation, maintenance and repair.
- This Cleaner is not suitable for use by children and people with reduced physical, sensory or mental capabilities or inexperienced people who are not familiar with the product. Children should be supervised to ensure that they do not play with the appliance, even when it is not in operation.

**⚠ WARNING**

- Operators who perform maintenance must be fully conversant with its special features and safety regulations. Before using the cleaner, carefully read the operating manual and make sure you understand the instructions.
- Only use original spare parts, do not change the design of the Cleaner, do not remove, bypass or tamper with the safety devices installed. The manufacturer shall not be held liable if non-original spare parts are used. Failure to comply with this requirement may seriously endanger the health and safety of people.
- Ensure the cleaner is turned off before performing any adjustment or maintenance that the user is authorized to perform. Cleaning and maintenance must not be performed by children.
- Do not use the cleaner if the top cover or brushes are damaged.
- Never use and recharge the cleaner in explosive and/or flammable environments.
- Only use the battery charger supplied by the manufacturer. Improper use may cause electric shocks, overheating or leakage of corrosive liquids from the battery.
- If any liquid leaks, wash the cleaner with water/neutralizer; in case of contact with eyes, seek medical attention. Liquid ejected from the battery may cause irritation or burns.
- If the battery charger is damaged, have it replaced by the manufacturer or an authorized Zodiac dealer. DO NOT attempt to service the battery charger. A damaged cord can lead to contact with live parts.
- The product contains magnets and components that emit electromagnetic fields. The magnets and electromagnetic fields can interfere with pacemakers, defibrillators and other medical devices. Keep a safe distance between the medical device and the product. Consult your doctor or the manufacturer of the medical device for specific information about it. If you think that the product is interfering with a pacemaker, defibrillator, or any other medical device, stop using the product starting from the distance at which you feel interference.
- Do not smoke around, or allow the cleaner to be near sparks or flames. The batteries can generate gases which could possibly ignite.
- If at any time you detect any physical damage to the cleaner chassis, such as swollen or cracked casing, STOP and do not continue discharging or charging the battery.
- Never attempt to disassemble a battery pack. A battery can produce a short circuit causing severe burns. Avoid contact between any wires or metal items that could cause sparking and short circuit the battery. If a battery leak occurs, avoid any contact with the leaking fluids and place the cleaner in a plastic bag. Wear complete eye protection, gloves and protective clothing when disposing of cleaner. If leaking fluids come in contact with skin and clothing, wash immediately with plenty of soap and water. If leaking fluids come in contact with eyes, do not rub eyes, immediately flush eyes with cool running water for at least 15 minutes and do not rub them. Seek medical attention as soon as possible.
- Do not use a battery operated appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- Connect unit to receptacle protected by Residual-current circuit breaker with over-current protection (RCBO). Such a RCBO receptacle should be provided by a qualified installer and should be tested on a routine basis. To test the RCBO, push the test button. The RCBO should interrupt power. Push the reset button. Power should be restored. If the RCBO fails to operate in this manner, the RCBO is defective. If the RCBO interrupts power to the pump without the test button being pushed, a ground current is flowing, indicating the possibility of an electric shock. Do not use this product. Disconnect the cleaner and have the problem corrected by a qualified service representative before using.

## **WARNING**

### **LITHIUM-ION batteries**

- If a battery leak occurs, avoid any contact with the leaking fluids and contact a professional to replace the battery.
- If leaking fluids come in contact with skin and clothing, wash immediately with plenty of soap and water.
- If leaking fluids come in contact with eyes, do not rub eyes. Immediately flush eyes with cool running water for at least 15 minutes and do not rub them.  
Seek medical attention as soon as possible.
- Do not enter pool while the Zodiac pool cleaner is in water.
- To reduce the risk of electrical shock, do not use the Zodiac robotic cleaner if the cord is worn or damaged. Contact Zodiac Customer Care Service at 1300 763 021 for Australia or 0800 807 665 for New Zealand immediately for proper servicing and replacement of the damaged cord.
- Do not use a battery pack or battery operated appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Double insulation—For continued protection against possible electric shock, use only identical replacement parts when servicing. Do not attempt repair of the Zodiac robotic cleaner or power cord.
- Do not use an extension cord to connect the cleaner to electric supply; provide a properly located RCBO receptacle.
- Never open charging adapter.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. Liquid ejected from the battery may cause irritation or burns. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical attention.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature below 0°C (32°F) and above 45°C (113°F) may result in an explosion.

### **Battery Life & Disposal of Li-Ion Batteries**

- Regulations and laws pertaining to the recycling and disposal of Li-Ion batteries vary from country to country as well as by state and local governments. You should check the laws and regulations where you live.
- There are a number of facilities that recycle Li-Ion batteries. The Battery Stewardship Council's web site, <https://bcycle.com.au/> provides information on where these types of batteries can be disposed of for recycling and is an excellent source for finding a facility to handle these types of batteries. If you are not sure if your waste facility can handle Li-Ion batteries, contact them and verify if they are permitted or not.
- Remember that before any type of disposal the batteries should be discharged completely. Tape the cleaner charging contacts with electrical tape and package so as to prevent contacts accidentally coming together at any time.
- This cleaner contains a maintenance-free, rechargeable lithium ion battery pack, which must be disposed properly. Recycling is required.

### **Battery Charger**

- Use ONLY the battery charger provided with this appliance.
- The battery charger must be connected only to a supply circuit that is protected by a ground-fault by a RCBO.

### **PREVENT CHILD INJURY AND DROWNING**

- To reduce the risk of injury, do not permit children to operate this product. The appliance is not a toy for children.
- Do not let anyone, especially small children, sit, step, lean, or climb on any equipment installed as part of your pool's operational system.

## ⚠ CAUTION

**Failure to comply with the following warnings could cause damage to pool equipment or personal injury.**

- The Zodiac cleaner must be installed and operated as specified.
- This product is intended for use with permanently-installed pools. Do not use with storable pools. A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.
- Clean the filter canister in the Zodiac cleaner after each use.
- Do not use the product in your pool if the water temperature is above 35°C or below 13°C.

### USE OF THE ZODIAC ROBOTIC CLEANER IN A VINYL LINER POOL

- Certain vinyl liner patterns are particularly susceptible to rapid surface wear or pattern removal caused by objects coming into contact with the vinyl surface, including pool brushes, pool toys, floats, fountains, chlorine dispensers, and automatic pool cleaners. Some vinyl liner patterns can be seriously scratched or abraded simply by rubbing the surface with a pool brush. Ink from the pattern can also rub off during the installation process or when it comes into contact with objects in the pool. Zodiac Group Australia Pty. Ltd. is not responsible for, and the Limited Warranty does not cover, pattern removal, abrasion or markings on vinyl liners.

## SAVE THESE INSTRUCTIONS

## Section 2. Cleaner Specifications

### 2.1 General Specifications

The general specifications for the cleaner are as follows:

### ⚠ WARNING

**Only use the battery charger supplied with the cleaner.**

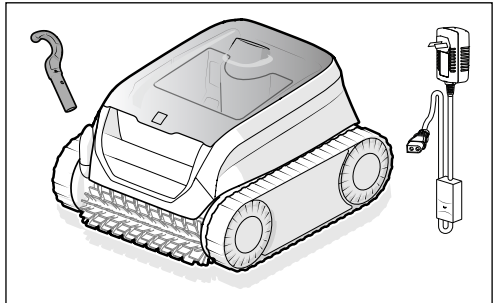
Charger Supply Voltage	110-240 VAC; 50/60 Hz Class II*
Supply Voltage	29.4 V DC
Battery Capacity	6.4 Ah
Charging Power	29.4 W
Cleaner Size (WxDxH)	41 x 42 x 28 cm
Weight of Cleaner	8.9 kg
Packed Weight	11.9 kg
Filtration	All-purpose filter canister
Cycle Lengths	Variable programming
Charge Temperature	Max 35°C Min 5°C
Water Temperature Range	Max 35°C Min 13°C
Operating Depth	Max 4 m Min 40 cm

\*Class II: An appliance with double insulation or reinforced insulation that does not require grounding.

### 2.2 Contents

The packaging should contain the following items:

- Zodiac Cleaner
- Removal Hook
- Charger



**Figure 1. Contents**

## Section 3. General Cleaner Operation

### ⚠ CAUTION

To prevent damage to the cleaner, be sure to adhere to the following guidelines:

- Remove the cleaner from the pool after the cleaning cycle is completed.
- Store out of direct sunlight or inclement weather.
- For retrieval, pickup at waterline when notified by app, use the manual retrieval hook, or tap cleaner lid to activate Tap & Lift™.
- Take additional care when lifting the cleaner out of the pool. It becomes heavier when filled with water.
- Always remove the cleaner from pool when super chlorinating or adding acid.
- Do not handle cleaner while it is in operation.
- Ensure that the cleaner is not in running mode before handling.

### ⚠ WARNING

DO NOT use an extension cord with the cleaner

- Follow all charging instructions and do not charge outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- When charging, cleaner must NOT be exposed to direct sunlight, rain or inclement weather, heat ignition sources, pool and spa chemicals or water. DO NOT position cleaner on direct contact with soil.

### 3.1 Set Up and Charging

1. Select a charging location (RCBO outlet) at least 3.5 m away from the pool, out of direct sunlight, rain or inclement weather, and with adequate Wi-Fi strength.

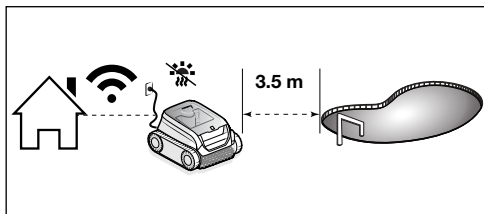


Figure 2. Charging Location

2. Plug charger into a RCBO outlet.

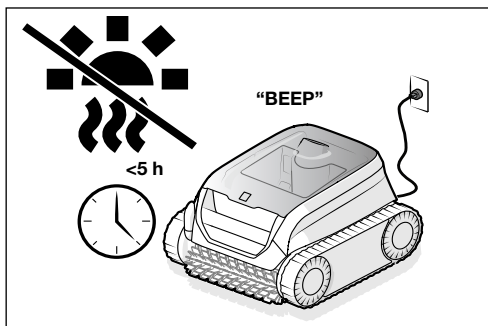


Figure 3. Plug in Cleaner

### IMPORTANT

- Start the cleaner, then fully submerge in the water to start cleaning cycle.
- At the end of each cycle, remove the cleaner from the pool and recharge.
- Clean the filter canister after each cleaning cycle.
- Do not leave your cleaner in the pool on a permanent basis.

The Zodiac robotic cleaner includes a safety feature that automatically stops the cleaner if it is powered on but not submerged in water. For pools equipped with a beach area, this safety feature is programmed to drive the cleaner in reverse and back into the pool when the impeller is out of the water.

3. Before using the cleaner for the first time, fully charge the cleaner until the battery indicator shows solid green.
4. Dry the cleaner and charging contacts, then charge the cleaner before every cleaning cycle. The battery indicator slowly blinks orange while charging, slowly blinks green when it can be used to run a cycle, and shows solid green when fully charged.
5. You can check the current charge level in the app whenever the cleaner is charging and connected to WiFi.
6. The cleaner goes into deep sleep after 8 days of inactivity to protect the battery. When all indicators are off, the cleaner is in sleep mode. Re-set the cleaner by connecting it to the charger cable and connecting to an RCBO outlet to wake up. If this does not work, see Troubleshooting.




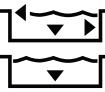
## ⚠ WARNING

Failure to comply with the following warnings can result in permanent injury, electrocution or drowning.

### PREVENT ELECTRICAL SHOCK AND FIRE

- Only connect the cleaner to a receptacle protected by a ground fault circuit interrupter (RCBO). Contact a certified electrician if you cannot verify that the receptacle is protected by a RCBO.
- Do not use an extension cord to connect the cleaner.
- Do not allow anyone to swim while the cleaner is in the pool.
- Follow all charging instructions and do not charge cleaner outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.

### 3.2 Information/Status LEDs

<b>Battery Status</b> 	Solid Green	Fully charged.
	Blinking Green	Ready to run a full cycle (2 hours).
	Solid Orange	Not fully charged. May not run a complete floor & wall cycle.
	Blinking Orange	Very low battery level. Charge required. Cannot run cleaner.
	Blinking Red	Charging error. Cleaner is too hot.
<b>Wi-Fi Connection Status</b> 	Blinking Red	Pairing.
	Solid Blue	Connected to Wi-Fi.
<b>Operating Status</b> 	Blinking Blue	Out of Water: Ready to submerge, start cleaning. In Water: End of cycle. Waiting for removal from pool.
	Blinking Red	Error. See app or troubleshooting.
		Floor, walls, and waterline (2 hours) Floor Only *FR800 iQ only (1 h 30 min) Selected Cleaning Mode.

The Cleaner goes into deep sleep after 8 days of inactivity to protect the battery. When all indicators are off, the cleaner is in sleep mode. Re-set the cleaner by connecting it to the charger cable and connecting to an RCBO outlet to wake it up. If this does not work, see troubleshooting.

### 3.3 Charger Status

<b>Solid Green</b>	Charger is receiving power
<b>Solid Red</b>	Charging is in progress
<b>Blinking Green</b>	Charger needs to be replaced

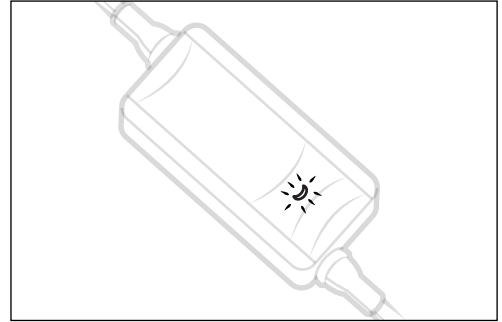


Figure 4. Charger Status LED

### 3.4 Start Cleaner

- Select Cleaning Mode using the slider by sliding and releasing to the left or by using the App.

Cleaning Mode	Select	Runtime
Floors/Walls/Waterline	Product or App	2 hrs
Floor *FR800 iQ model only	Product or App	1.5 hrs

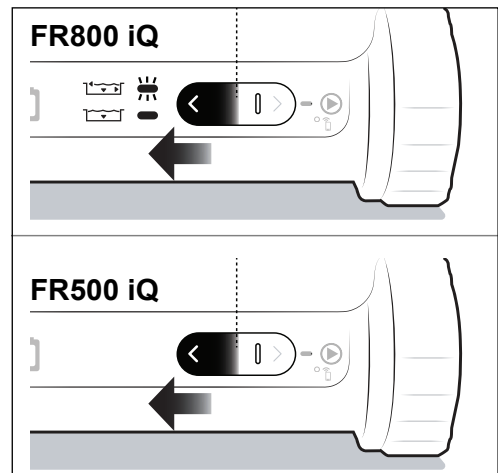
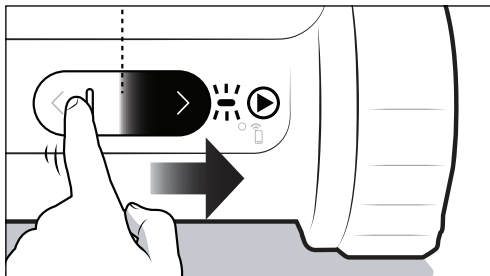


Figure 5. Slide and Release Left to Select Mode

**NOTE:** Choose Floor Only mode to clean with Pool Cover on.

- Start the cleaner using the slider by sliding and releasing to the right or use the App.



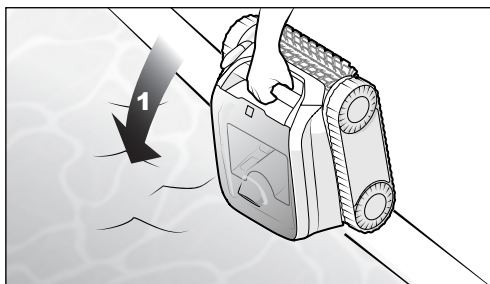


**Figure 6. Slide and Release Right to Start**

3. Cleaner does not begin moving until it senses water. A blinking blue LED light means it is ready to clean.

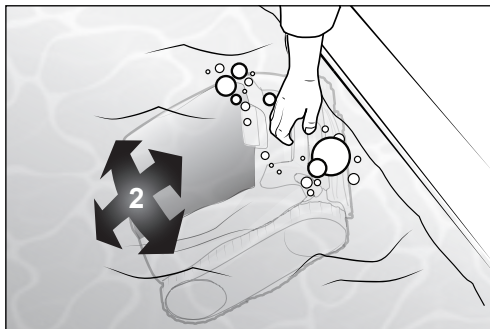
### 3.5 Submerge the Cleaner

1. At the center point, submerge the cleaner in the pool and hold in the vertical position to release any air trapped inside.



**Figure 7. Submerge the Cleaner Vertically**

2. Wait for bubbles to stop completely, then let the cleaner sink to the bottom of the pool.



**Figure 8. Cleaner Sinking to the Bottom of the Pool**

3. Cleaning cycle will start as soon as the cleaner detects the pool floor.

## ⚠ WARNING



Do not enter pool while the robotic cleaner is in water.

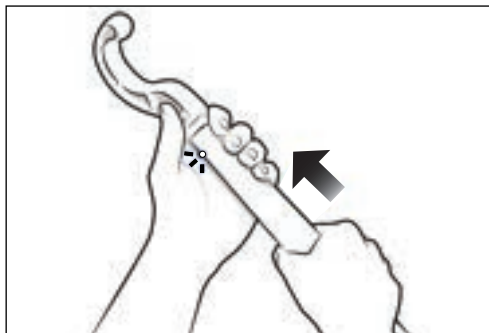
### 3.6 Removal

During the last 10 minutes of the cycle, the cleaner will climb to different walls and wait at the waterline. Remove using the handle. Water will expel to make it lighter (Not available in Floor Only mode). If the cleaner is not removed at the waterline, it will return to the floor close to a wall at the end of the cycle.

**NOTE:** If connected to the iAquaLink® app, push notifications will be sent to your mobile device during this time to alert you to remove the cleaner while waiting.

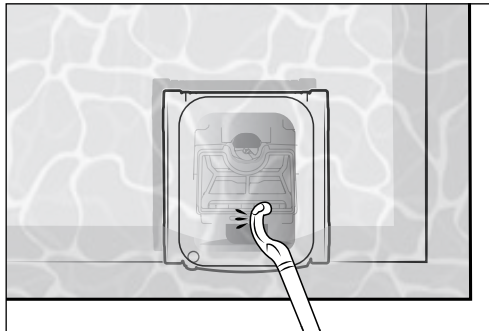
#### 3.6.1 Tap & Lift™ Retrieval

1. After the cycle is complete, attach the hook to a standard pool cleaning pole (not included).



**Figure 9. Removal Hook**

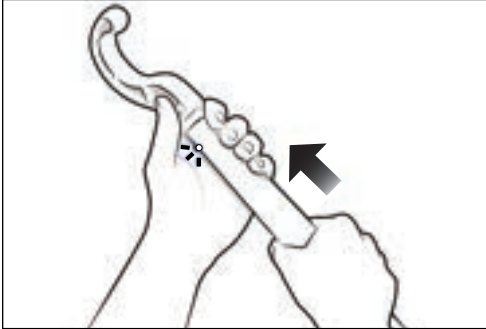
2. Tap cleaner lid once (x1). The cleaner will drive to the wall it is facing and climb to waterline.



3. Remove using the handle. Water will expel to make it lighter.

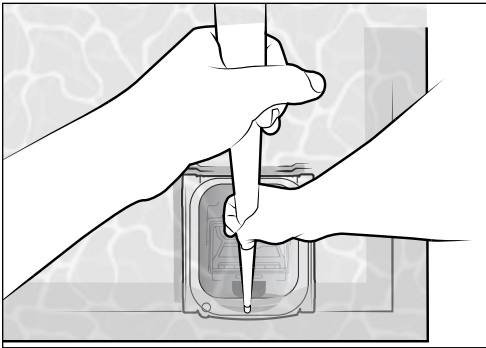
### 3.6.2 Hook Retrieval

1. When cleaner is on the floor, attach the hook to a standard pool cleaning pole (not included).



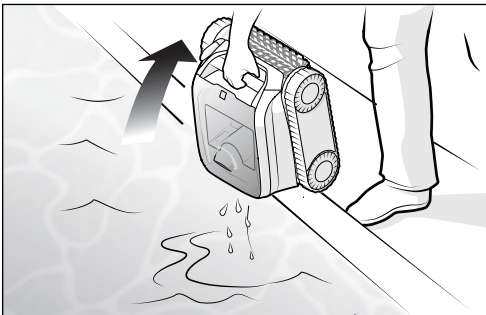
**Figure 10. Removal Hook**

2. Secure the hook on the cleaner handle. Bring the cleaner to the waterline.



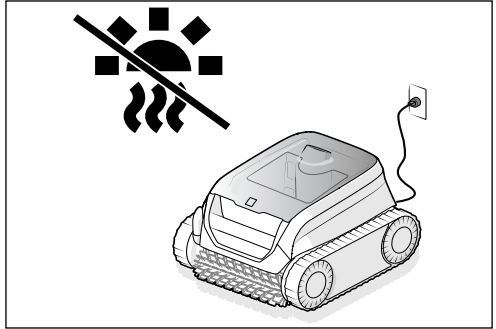
**Figure 11. Secure the Hook**

3. Pull up the cleaner by the handle and hold vertically to let the water drain into the pool.



**Figure 12. Drain the Cleaner**

4. Charge the cleaner out of direct sunlight.



**Figure 13. Store the Cleaner**

**NOTE:** For best results, dry the cleaner and the charging port before charging. See maintenance section.

## Section 4. Installing iAquaLink®



The iAquaLink app is available for download from the App Store or Google Play.

**Before you begin installation, make sure you have the following:**

- Robotic cleaner is connected and plugged into a RCBO outlet
- Smart device (phone) with Wi-Fi and Bluetooth® enabled
- Wi-Fi router with sufficient 2.4Ghz network signal strength

## IMPORTANT

Have your Wi-Fi network password available

### 4.1 Download the App

Install or update the **iAquaLink** app from the App Store or Google Play.

Once the download is complete, select the **iAquaLink** icon on your smart device to open the app.

### 4.2 Sign Up and Log In

Click **Sign Up** to create a new user account. Or, if you previously set up an iAquaLink account, click **Log In** to access your systems.

Complete all required fields in the Account Setup page and agree to the Terms and Conditions.

4.3 Configure the System

- 1. On the My Systems page, click + in the upper right-hand corner to add a system.
- 2. Choose “Robotic Cleaner” from the list and choose your model type.
- 3. Follow on screen prompts to pair your cleaner.
- 4. Slide the slider right and HOLD for ten seconds to put the cleaner in Pairing Mode.

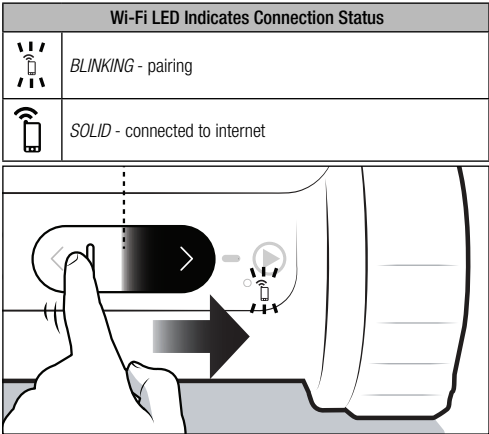


Figure 14. Slide and Hold Right to Pair

- 5. Follow on-screen prompts to add your cleaner and connect to your home router.

**NOTE:** If you have problems connecting, the Wi-Fi signal may not be strong enough next to the pool. Try placing the cleaner in another location closer to your home router (see *iAquaLink Troubleshooting section*.)

Section 5. iAquaLink® Control

**IMPORTANT**








WiFi signals cannot travel underwater. Most app functions are therefore not available during a cleaning cycle. Plug the cleaner to the charging cable to reconnect to the WiFi.

**⚠ WARNING**

 Do not enter pool while the robotic cleaner is in water.


5.1 iAquaLink® Control Home Screen

App function and design is subject to change.

	Start Cleaning
	Clean Mode
	Battery Charge Status
	Green Charged: Fully charged
	Green Charging: Ready for use
	Orange Charging
	Orange Partially Charged

5.2 Set Cleaning Mode

Start Cleaning

- 1. From the main screen, select **Cleaning Mode** to view options.
- 2. Select Cleaning Mode. The factory default cleaning mode is Floor/Wall/Waterline.
- 3. From the Home screen, press the Start button  to begin cycle. The cleaner will start when it detects water and will cancel the cycle if not submerged after 5 minutes.

Cleaning Mode	Select	Runtime
Floors/Walls/Waterline	Product or App	2 hrs
Floor*	Product or App	1.5 hrs
* FR800 iQ model only		

5.3 In-App Error Messages and Troubleshooting

After removal and when connected to WiFi, the app will display any errors from the previous cleaning cycle.

- 1. Click on the warning symbol to view troubleshooting advice on how to fix the issue.
- 2. Choose **Clear Error** if you believe you have fixed the problem and want to re-try. Choose **OK** if you want to suspend the cleaner in error mode and work on the troubleshooting fix at a later time.

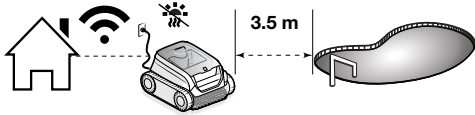
5.4 System Settings

Access System Settings by pressing the gear icon in the upper right hand corner of the app screen.

## Section 6. Maintenance

### ⚠ WARNING

To avoid electric shock and other hazards which could result in permanent injury or death, disconnect (unplug) the cleaner from the power source before performing any cleaning and maintenance.



**Figure 15. Charging Distance to Pool Edge**

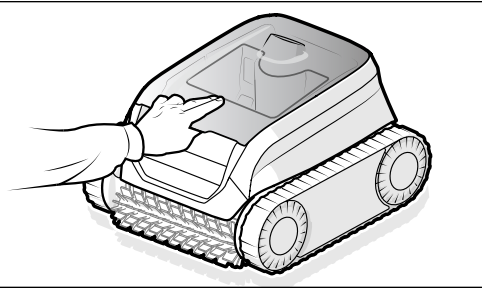
### 6.1 Clean the Cleaner

1. Rinse the cleaner thoroughly with clean water.
2. Always dry the cleaner with a towel before charging.  
DO NOT leave the cleaner to dry in the direct sun.

### 6.2 Clean the Filter Canister

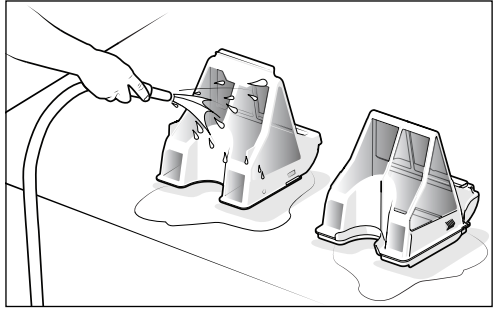
The filter canister should be cleaned at the end of each cycle before debris dries.

Push the cover lock and lift the cover until it is secured in the vertical position.



**Figure 16. Lift Cleaner Cover**

1. Remove the filter canister assembly from the body.
2. Empty all debris from the filter canister, then rinse the filters and the cleaner using a hose.

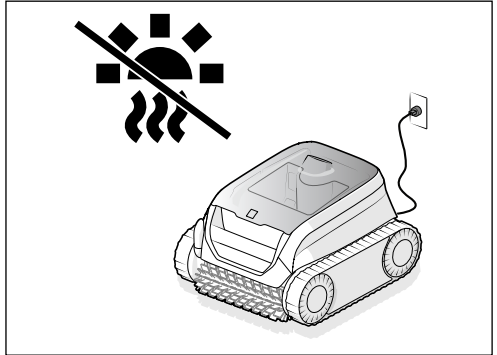


**Figure 17. Remove and Wash the Filter Canister**

\*Dual filters for FR800 iQ and single filter for FR500 iQ

**NOTE:** Periodically, remove the filter canister and clean thoroughly with soapy water and a soft bristle brush.

3. Replace the filter canister into the cleaner.
4. Store the cleaner and the charger out of direct sunlight.



**Figure 18. Store Cleaner**

**NOTE:** We recommend to let the cleaner dry before charging.

## 6.3 Storage

### Everyday Storage

Store the cleaner in a protected and dry place with an ambient temperature between 10°C and 21°C, out of reach of children, pets, other foreign objects, etc.

- Never store or dry the cleaner in direct sunlight.
- DO NOT expose cleaner to fire, excessive temperatures, ignition sources, or pool and spa chemicals.
- DO NOT leave the cleaner in the water when not in use.

### Long-Term & Winter

Remove the cleaner from the pool and drain all water to avoid freezing water damage (freeze damage is not covered under warranty).

For long term storage, it is recommended to store the cleaner at 80-100% of battery capacity (indicated by solid GREEN battery LED).

You may either:

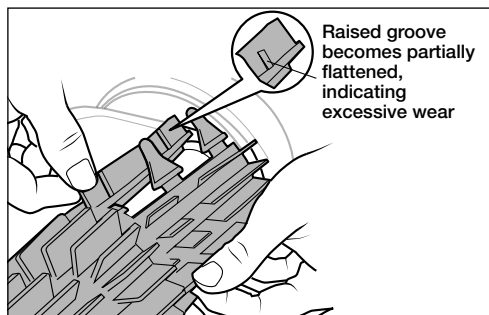
- Leave the cleaner connected until next use.
- Disconnect and recharge the cleaner at the start of season.

Store cleaner out of direct sunlight, rain or inclement weather.

## 6.4 Replacing Wear Parts

### 6.4.1 Replacing Brushes

The cleaner is fitted with PVC brushes with a “wear” indicator.

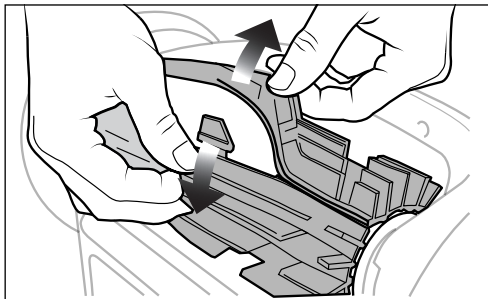


**Figure 19. Worn Brush Indicator**

To maintain cleaner performance at its best you need to replace the brushes as soon as one of the wear indicators is reached (even if the blade wear is not even). It is recommended that you replace the brushes when the rubber is worn down to the top of the wear indicator (or every two years, whichever comes first).

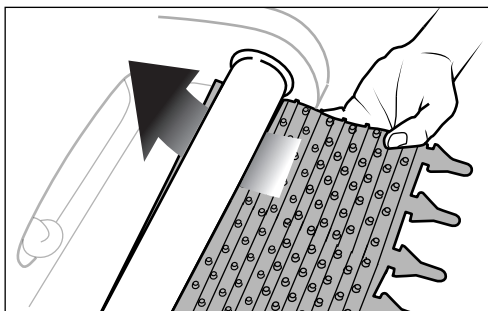
To replace a worn brush:

1. Separate the edges of the brush and undo the tabs. Remove the worn brushes.



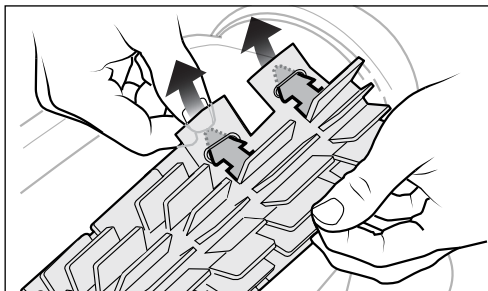
**Figure 20. Undo the Tabs of the Brush**

2. To install the new brush, position the new brush on the roller with the cleaning blades facing away from the roller.



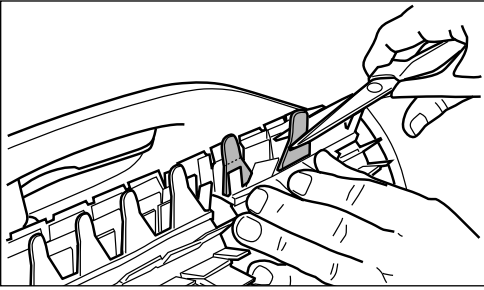
**Figure 21. Install the New Brush**

3. Thread each tab into the slot provided and gently feed it through until the heel comes out at the other side of the slot.



**Figure 22. Pull Tabs Through Each Slot**

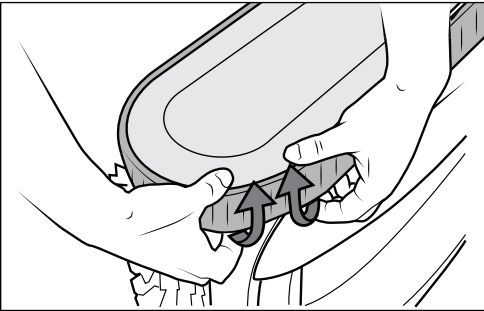
4. Use a pair of scissors to cut the tabs 3/4 inch from the heel so that they are no higher than the cleaning blade.



**Figure 23. Cut Tabs**

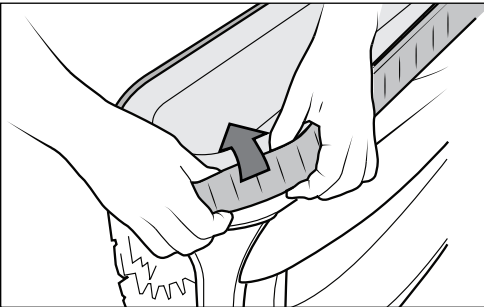
## 6.5 Replacing Tracks

1. Check the wear indicator or if the tracks are loose. Pull on the inside of the old track to remove the track lip from the front wheel.



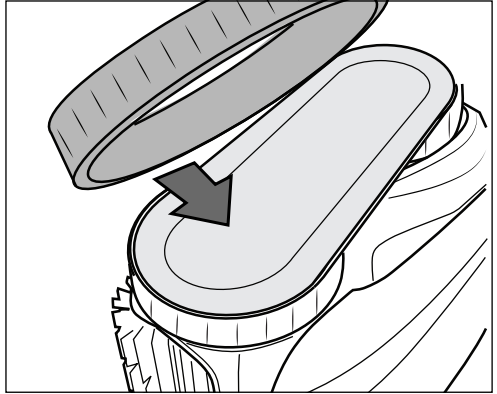
**Figure 24. Pull the Old Track Over the Wheel**

2. Remove the old track from the front wheel, then remove track from the rear wheel.



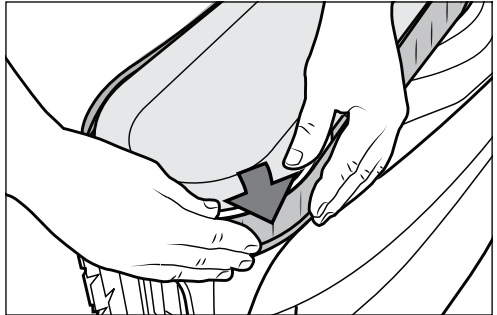
**Figure 25. Remove the Old Track**

3. Replace the track on the wheel by positioning the rib toward the body of the cleaner.



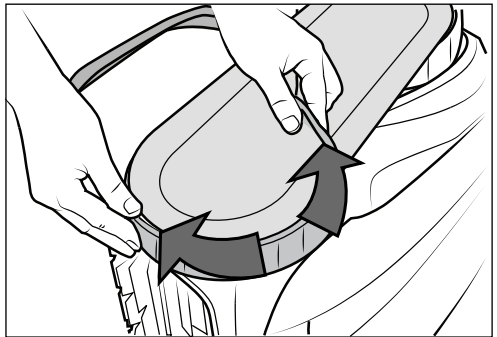
**Figure 26. Track Replacement Orientation**

4. Push one side of the track on to the wheel and fit the rib of the track in the groove of the wheel.



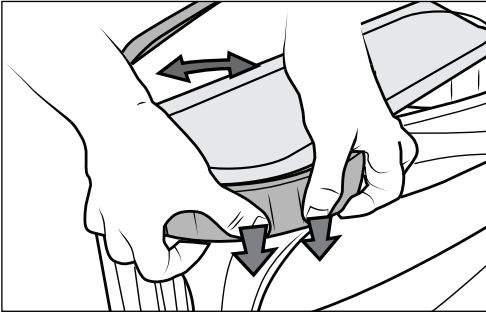
**Figure 27. Start on One Side of the Track**

5. Work the track onto the front wheel and verify the rib of the track is positioned properly within the groove of the wheel.



**Figure 28. Work the Track on Around the Wheel**

6. Push and position the rib of the inner side of the track in the groove of the rear wheel. If needed, turn the wheel gently to help with installation.



**Figure 29. Push the Track into Place on the Wheel**

7. Work the track onto the rear wheel and verify the rib of the track is positioned properly within the groove of the wheel.
8. Push and position the rib of the inner side of the track in the groove of the rear wheel. If needed, turn the wheel gently to help with installation.

## **6.6 Recycling & Disposal**

**The battery and cleaner must be serviced and/or replaced by a qualified service professional. DO NOT attempt to service the product yourself.**

### **Disposal of Li-Ion Batteries**

- Regulations and laws pertaining to the recycling and disposal of Li-Ion batteries vary from country to country as well as by state and local governments. You should check the laws and regulations where you live.
- There are a number of facilities that recycle Li-Ion batteries. The Battery Stewardship Council's web site, <https://bcycle.com.au/> provides information on where these types of batteries can be disposed of for recycling and is an excellent source for finding a facility to handle these types of batteries. If you are not sure if your waste facility can handle Li-Ion batteries, contact them and verify if they are permitted or not.
- Remember that before any type of disposal the batteries should be discharged completely. Tape the cleaner charging contacts with electrical tape and package so as to prevent contacts accidentally coming together at any time.
- This cleaner contains a maintenance-free, rechargeable lithium ion battery pack, which must be disposed properly. Recycling is required.

## Section 7. Troubleshooting

Information about the cleaner status and any relevant condition will be displayed in the iAquaLink® app while the cleaner is charging.


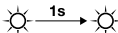
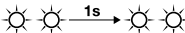
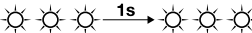
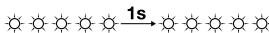
### 7.1 General Troubleshooting

The following list provides some helpful hints for troubleshooting common challenges when using the cleaner.


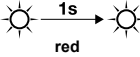
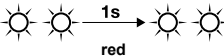
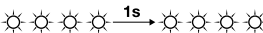

User Issue	Possible Cause	Suggested Solution
The cleaner does not stay on the pool surface or is floating excessively.	There is air trapped inside the cleaner housing.	Remove cleaner from pool and re-submerge (see <i>Install and Submerge the Cleaner</i> ).
	The filter canister is full or dirty.	Dispose of debris and thoroughly clean the filter canister with mild soap and a soft brush. Then, re-submerge the cleaner (see <i>Clean the Filter Canister</i> ).
The cleaner is not climbing walls.	The filter canister is full or dirty.	Dispose of debris and thoroughly clean the filter canister with mild soap and a soft brush. Then, re-submerge the cleaner (see <i>Clean the Filter Canister</i> ).
	Track treads worn down.	See <i>Replacing Wear Parts</i> .
	Confirm appropriate pool chemistry.	Speak with your pool service professional. Do not leave cleaner in the pool during any chemical treatments.
	Product in Floor Only mode.	Select Floors/Walls/Waterline cleaning mode.
The cleaner is not moving.	The cleaner may not be charged.	The outlet the cleaner is connected to is not supplying electrical power. Check that the outlet to which the cleaner is connected is receiving electricity.
	Cycle not started.	Remove from water and start the cleaner using the slider by sliding and releasing to the right or use the App.
	Reset needed.	Turn off the cleaner using the slider by sliding to the left and hold for 20 seconds. If the problem is not resolved, Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand..
The cleaner does not fully charge.	Dirty charging contact.	If the indicator does not turn green after 6 + hours of charging, clean the charging contacts on both cleaner and charger with a cloth and fresh water. Dry the cleaner before plugging into charger after each cycle.
	Charger issue.	If the LED on the charger does not light up, check the condition of the charger. If any damage is visible, the charger will need to be replaced.
The cleaner is not cleaning the pool effectively.	Filter canister is full or dirty.	Dispose of debris and thoroughly clean the filter canister with mild soap and a soft brush. Then, re-submerge the cleaner (see <i>Clean the Filter Canister</i> ).
	Brushes are worn.	Check the wear indicator(s) (see <i>Replacing Wear Parts</i> ).
	The cleaner is not fully charged.	Charge the cleaner.
The cleaner does not collect debris or go forward.	Debris jamming traction motor.	Remove any debris in the front brush area.



### 7.3 Cleaner Error Codes

On/ Off	Blinking Red	Error #	Display in the iAquaLink® App	Solutions
		10 14	Communication error  Motor block error	<ul style="list-style-type: none"> <li>The cleaner board is under power but does not respond.</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>
		2 & 3  5 & 6	Traction motor left/right  Drive motor consumption left/right	<ul style="list-style-type: none"> <li>Check that debris is not preventing the brush or tracks from moving freely.</li> <li>Rotate each wheel by a quarter of a turn in the same direction until it rotates smoothly. Repeat turning wheels in the opposite direction until rotation is smooth.</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>
		7  8	Cleaner floating  Cleaner out of the water	<ul style="list-style-type: none"> <li>Thoroughly clean the filter canister.</li> <li>Restart the cycle, then submerge cleaner in the water and shake to release air bubbles.</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>
		1 & 4	Pump motor	<ul style="list-style-type: none"> <li>Turn off the cleaner using the slider by sliding to the left and hold for 20 seconds. No LEDs will be illuminated.</li> <li>Check for small debris or hair in the fan impeller.</li> <li>Thoroughly clean the filter canister.</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>
		12	Firmware Update Error	<ul style="list-style-type: none"> <li>Close the iAquaLink® app.</li> <li>Check that the cleaner is connected to the Wi-Fi network (the LED is solid blue).</li> <li>If the indicator is not steady, open the iAquaLink® app, select the cleaner and click on "Update".</li> </ul>

## 7.4 Battery Error

On/ Off	Blinking	Error #	Display in the iAquaLink® App	Solutions
		20 & 21	Battery Error	<ul style="list-style-type: none"> <li>The battery block needs to be replaced.</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>
		22 & 23	Charging Error (Too hot) Charging Error (Too cold)	<ul style="list-style-type: none"> <li>The temperature detected at the charging location is outside of the recommended temperature range for recharging the cleaner 40F - 105°F (5C-40C).</li> <li>Charging is paused until temperature is within normal range.</li> <li>Move cleaner to a new location.</li> </ul>
		25	Charging Error	<ul style="list-style-type: none"> <li>Clean the charging contacts on the cleaner with a cloth and fresh water (non-salt water)</li> </ul>
	 Remains orange after 12 hours on the charger	No Code	Battery Error	<ul style="list-style-type: none"> <li>Unplug the charger. If the battery indicator turns off instead of indicating the charge level of the cleaner: the battery is obsolete and needs replacing</li> <li>Contact your retailer for a diagnostic review or contact Technical Support at 1300 763 021 for Australia or 0800 807 665 for New Zealand.</li> </ul>

## 7.5 Dismissing an Error Code

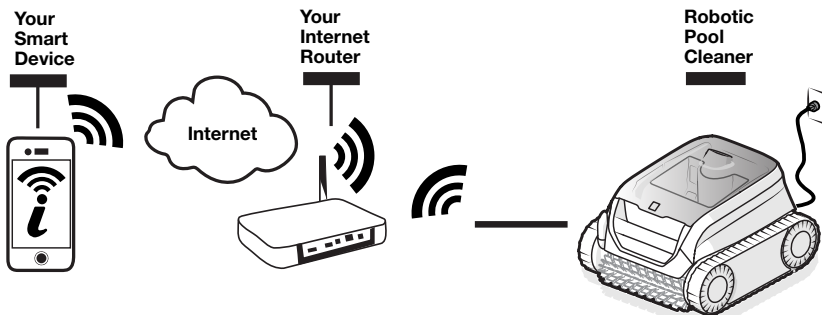
### From the iAquaLink® App:

Press the error icon to display troubleshooting solutions. After you have completed the troubleshooting solution steps, press Clear Error to return to normal operation. Or, press OK if you need to complete the solution steps at a later time.

## 7.6 iAquaLink® Troubleshooting

This information can help to troubleshoot connection and setup challenges between the iAquaLink app and the cleaner.

### How it works:



**IMPORTANT**

WiFi signals cannot travel underwater. Most of the cordless robotic app functions only work when the cleaner is out of water and charging.

**How to connect:**

You must connect to the home router (network) with your smart device which will communicate with the cleaner. (See *Configure the System*.)

**IMPORTANT**

It is recommended to locate the cleaner as close to the home router as practical. Do not use an extension cord.

**Common iAquaLink® Troubleshooting**

Remember, if you get a new Wi-Fi Router, reset the defaults of your current Wi-Fi Router or simply change your Wi-Fi network password, you will have to re-establish the connection between your cleaner and the router. (See: *Configure the System*.)

User Issue	Possible Cause	Suggested Solution
Wi-Fi light is off.	Bright sunlight	Shield the lights to block sunlight and re-check if the lights are lit.
	Charger is unplugged.	Plug the charger into a RCBO outlet (see <i>Connect to a Power Source</i> ).
	Power outage.	Verify that the breaker is on and electricity is being supplied to the outlet.
	Lost internet connection.	Check internet connection - network may be down.
	Router is off.	Turn router on.
	Router password was changed.	Delete robot and reconnect with new router password.
Wi-Fi light is flashing.	Lost internet connection	Check internet connection - network may be down.
	Weak Wi-Fi signal.	<ul style="list-style-type: none"><li>• Check for adequate Wi-Fi signal strength.</li><li>• With a Windows laptop, go to Network Connections in the Control Panel. Check Signal Strength meter under Wireless Network Connection icon while standing near the cleaner.</li><li>• With a smart device, search for, download, and use an app that can check signal strength while standing near the cleaner. If Wi-Fi signal is weak, consider installing a Wi-Fi extender.</li></ul>
	Connectivity issue with local Wi-Fi or connection to the server.	Contact your local internet service provider. <ul style="list-style-type: none"><li>• Unplug your cleaner and wait 10 seconds. Plug in the box again and see if lights illuminate.</li><li>• Check Internet connection - network may be down.</li></ul>
Wi-Fi light is on but buttons and functions are disabled.	Firmware update in progress.	"PROG" is displayed in the app during an over-the-air firmware update. Simply wait for button functions to resume after update completes. Do not unplug from power during an update.

<div>WARRANTY REGISTRATION</div>	<div>Record your equipment details here for quick reference:</div> <div>Model No.: _____</div> <div>Serial No.: _____</div>
<div></div>	<div>AUSTRALIA WARRANTY:</div> <div>For full warranty terms and conditions and to register your warranty, visit <a href="http://www.zodiac.com.au/warranty">www.zodiac.com.au/warranty</a> and complete your details.</div> <div>◀ Or scan the QR code to go directly to the registration page.</div>
<div></div>	<div>NEW ZEALAND WARRANTY:</div> <div>For full warranty terms and conditions and to register your warranty, visit <a href="http://www.zodiac.co.nz/warranty">www.zodiac.co.nz/warranty</a> and complete your details.</div> <div>◀ Or scan the QR code to go directly to the registration page.</div>

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