

# **ADMIRAL** ULTRA-NAV

## REMOTE CONTROLLED ROBOTIC POOL SCRUBBER CLEANER



## Installation - Operation - Warranty Manual



This equipment is to be installed and serviced by a qualified technician. Improper installation may result in property damage, serious injury or death. Improper installation and/or operation will void the warranty.

### Notice to Installer

This manual contains important information about the installation, operation & safe use of this product. Once the product has been sold or installed this manual must be given to the owner/operator of this equipment.

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## CONGRATULATIONS

Congratulations and thank you for choosing our Waterco Remote Controlled Admiral Ultra-NAV Robotic Pool Cleaner the most technologically advanced automatic Robotic Pool Cleaner available. The Admiral Ultra-NAV remote enables the cleaner to be directed to areas of your pool that need that little extra cleaning attention.

We are sure you will find your new Remote Controlled Admiral Ultra-NAV a pleasure to use. Before you use the cleaner, we recommend that you read through the relevant sections of this manual, which provides a description of your cleaner and its functions.

To avoid the risks that are always present when you use a Robotic Pool Cleaner, it is important that the cleaner is installed correctly and that you read the safety instructions carefully to avoid misuse and hazards.

We recommend that you keep this instruction booklet for future reference and pass it on to any future owners.

After unpacking the Remote Controlled Admiral Ultra-NAV, please check it is not damaged. If in doubt, do not use the cleaner but contact the store that you purchased the cleaner.

## WARNING

1. DO NOT RUN THE REMOTE CONTROLLED ADMIRAL ULTRA-NAV OUT OF THE WATER. OPERATING THE CLEANER OUT OF THE WATER WILL DAMAGE THE MOTORS AND VOID THE WARRANTY
2. THE REMOTE CONTROLLED ADMIRAL ULTRA-NAV SHOULD NOT BE CONNECTED TO A TIMING DEVICE AND LEFT CONTINUOUSLY WITHIN A POOL OR SPA.
3. DON'T USE EXTENSION CORDS OR ADAPTER PLUGS WITH REMOTE CONTROLLED ADMIRAL ULTRA-NAV — AS THIS MAY AFFECT THE CLEANER'S PERFORMANCE AND EXPOSURE TO ELECTROCUTION (EXPOSURE TO PERSONAL INJURY OR DEATH).

## SAFETY INFORMATION

1. Waterco's Remote Controlled Admiral Ultra-NAV Robotic Pool Cleaner is designed to work with water at a temperature > than 13°C and < than 45°C. The cleaner should never be operated outside of these temperatures or damage may occur.
2. The installation should be carried out in accordance to local safety standards and bylaws.
3. Any modification of the Remote Controlled Admiral Ultra-NAV requires the prior consent from Waterco. Original replacement parts and accessories authorised by the manufacturer ensure a high level of safety. Waterco assumes no liability for the damage and injuries caused by unauthorised replacement parts and accessories.
4. The user should make sure that the installation is carried out by qualified authorised persons and that these persons have first carefully read the following instructions.

5. The operating safety of the Remote Controlled Admiral Ultra-NAV is only guaranteed if the installation and operation instructions are correctly followed.
6. In the event of defective operation or fault, contact Waterco or its nearest authorised service agent.
7. To reduce the risk of injury, do not permit children to use this product.
8. Incorrectly installed equipment may fail, causing severe injury or property damage.
9. Chemical spills and fumes can weaken the Remote Controlled Admiral Ultra-NAV. Corrosion can cause the cleaner and other equipment to fail, resulting in severe injury or property damage. Do not store pool chemicals near your equipment.
10. Do not play with the Remote Controlled Admiral Ultra-NAV or blue power cable as potential entrapment of hair or body parts may result. The blue power cord can trip or entangle swimmers which could result in drowning.
11. Your Remote Controlled Admiral Ultra-NAV should not be used while people are swimming in the pool.

## GENERAL INSTRUCTIONS

- If ambient air temperature exceeds 46°C (115°F), protect the Remote Controlled Admiral Ultra-NAV's power transformer from direct sunlight. However, ensure power transformer has adequate ventilation.
- Do not connect unit to AC power to the Remote Controlled Admiral Ultra-NAV's transformer until installation has been completed.
- Do not use if unit is damaged in any way.
- Make sure the Remote Controlled Admiral Ultra-NAV is unplugged from its power supply before opening the unit or performing any other maintenance.
- To avoid damage to the power supply & blue power cord, never carry the power supply transformer by the blue power cord or pull on the blue power cord to disconnect from an outlet. Disconnect by pulling the plug, itself, from the outlet.
- Do not pull blue power cord around sharp corners or edges.
- Do not operate with a damaged blue power cord or power supply.
- Before installing the Remote Controlled Admiral Ultra-NAV, understand the cleaner's coverage. The cleaner was not designed to automatically clean steps or to work under solar covers. It was also not designed to do an initial clean up for a new pool installation.
- The power supply must be at least 4m (12ft) from the pool's edge at all times!
- It is recommended that you clean your Remote Controlled Admiral Ultra-NAV filter bag and check the impeller to make sure it is free and clear of debris after every use.
- Disconnect the power supply transformer from the outlet when not in use.
- DO NOT switch the Remote Controlled Admiral Ultra-NAV to "ON" if it is not immersed in water. Operating the cleaner out of water may cause severe damage & will result in loss of warranty. Always remember to turn the power supply "OFF" and unplug it from the power outlet before removing the cleaner from the pool.

## INSTALLATION

- Ensure power supply (transformer) is in the off position.
- Plug the power transformer lead into its own dedicated 220-240V, 50Hz AC electrical outlet.  
It is essential the power point is properly connected to an earth leakage circuit breaker and properly earthed to ground. Consult a qualified electrician if you are unsure.
- Do not plug the power supply lead into an extension cord.
- Plug the floating blue power cord into the power transformer 25V connection socket.
- Attach the antenna to the power supply by aligning the base of the antenna with the gold connector on the power supply. Twist the antenna onto the connector in a clockwise direction until snug. **DO NOT OVERTIGHTEN.**
- Plug in the connector of the blue power cord from the cleaner into the power supply (transformer). The connector is keyed so that it will only plug into the power supply (transformer) one way. Make sure that the plug is pushed all the way onto the power supply (transformer). Slide the connector lock (strain relief) onto the connector and turn the connector lock clockwise until it is tight (Do not over tighten).

### WARNING:

1. **DO NOT RUN THE CLEANER OUT OF THE WATER. OPERATING THE CLEANER OUT OF THE WATER WILL DAMAGE THE MOTORS AND VOID THE WARRANTY**
  2. **THE REMOTE CONTROLLED ADMIRAL ULTRA-NAV SHOULD NOT BE CONNECTED TO A TIMING DEVICE AND LEFT CONTINUOUSLY WITHIN A POOL OR SPA.**
- Place the Remote Controlled Admiral Ultra-NAV into the pool and if needed rock the cleaner side to side to release any trapped air. The cleaner will sink to the bottom of the pool.
  - Place a sufficient length of the blue power cord into the water that will enable the Remote Controlled Admiral Ultra-NAV to easily reach all areas of the pool. (Do not place ALL of the blue power cord into the pool).
  - Turn on power supply at dedicated 220-240V, 50Hz AC electrical outlet and switch power supply (transformer) to the on position, and the Remote Controlled Admiral Ultra-NAV will begin its cleaning program.
  - The Remote Controlled Admiral Ultra-NAV will automatically shut itself down after three hours.
  - If a second cleaning is required or the Remote Controlled Admiral Ultra-NAV is accidentally shut off, you should wait one minute before switching the cleaner on again. The cleaner has an automatic lock out period to protect the electronic intelligent navigation devices.

### IMPORTANT NOTE:

During normal operation, the Remote Controlled Admiral Ultra-NAV may appear to shut off for a few seconds. This is a normal part of the pool cleaning program. The cleaner has multiple ways of cleaning the pool walls. It may climb to the top of the pool wall, scrub, then make a turn and drive back down the pool wall to the bottom of the pool. It may also climb to the top of the pool wall, shut down for a few seconds, remove itself from the pool wall, turn its pump motor on again, pushing itself down to the bottom of the pool away from the wall.

The Remote Controlled Admiral Ultra-NAV may also climb the pool wall, scrub to the waterline, turn the pump motor off, and float away from the pool wall down to the bottom of the pool. All of these variations have been programmed into the cleaner and are designed to quickly and efficiently clean your entire pool.





The Remote Controlled Admiral Ultra-NAV has also been designed to clean all areas of your pool. It will climb the pool walls, and occasionally break the pool water surface. In the process of climbing the pool walls it may stay on the pool water surface and continue to operate from several seconds to a few minutes. This is a normal operation procedure and the cleaner will eventually make its way to the bottom of the pool to continue its cleaning program. Generally, most of the dirt is concentrated on the floor of a pool the cleaner will spend the majority of cleaning program on the pool floor.

## REMOTE CONTROL OPERATION

To use the remote control feature, place the Admiral Ultra-NAV Robotic Pool Cleaner into the swimming pool. Push the 3-hour switch on the power supply to the on position. Wait 10 seconds. Press and release any switch on the remote control to activate the remote control feature. **DO NOT HOLD THE BUTTON DOWN, AS THE ADMIRAL ULTRA-NAV ROBOTIC POOL CLEANER WILL TRAVEL IN THE DESIRED DIRECTION UNTIL THE RED STOP BUTTON IS PUSHED.** There will be an audible beep from the remote control, indicating that the command has been sent to the Admiral Ultra-NAV Robotic Pool Cleaner. The Admiral Ultra-NAV Robotic Pool Cleaner will stop moving, but the pump motor will continue to run and filter water. If the Admiral Ultra-NAV Robotic Pool Cleaner needs to travel to the right, press and release the right arrow button. When the Admiral Ultra-NAV Robotic Pool Cleaner has turned to the desired area, press and release the RED stop button. Press and release either the forward or back button to make the Admiral Ultra-NAV Robotic Pool Cleaner travel in that direction. By using these simple inputs you can easily guide the unit to any area of your pool. To exit the remote control feature, press and release the button marked AUTO. The Remote Controlled Admiral Ultra-NAV Robotic Pool Cleaner will resume its cleaning program and automatically shut off when it reaches the end of its cleaning cycle.

**Note:** If, while in remote mode, the Admiral Ultra-NAV Robotic Pool Cleaner begins floating on the water's surface, press the the STOP button on the remote until the floats to the bottom of the pool.

## REMOVING THE CLEANER FROM THE POOL

- Slowly pull the Remote Controlled Admiral Ultra-NAV's blue power cord to retrieve the cleaner to the water surface and pool edge. (DO NOT PULL THE CLEANER OUT OF THE POOL BY THE BLUE POWER CORD).
- Reach down and grasp the handle of the Remote Controlled Admiral Ultra-NAV and remove it from the pool as shown in Fig 1 and Fig 2.

**Note:** The unit should be stored in an area that will afford some protection from the elements to insure that it retains its finish.



Figure 1



Figure 2

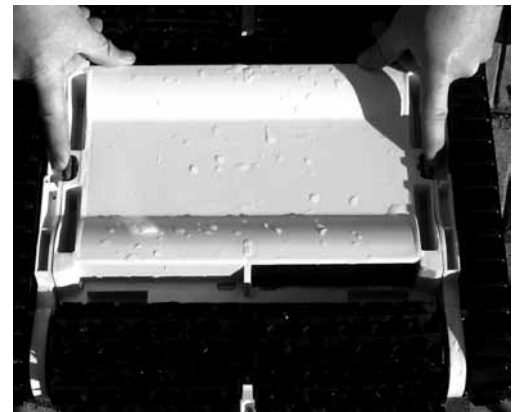


Figure 3

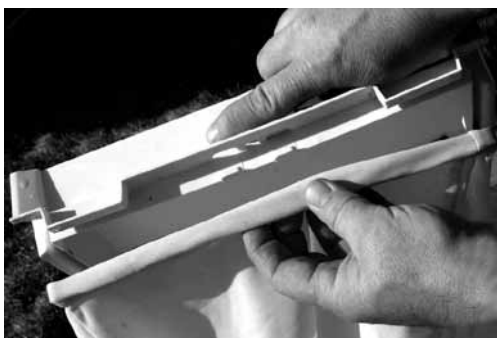
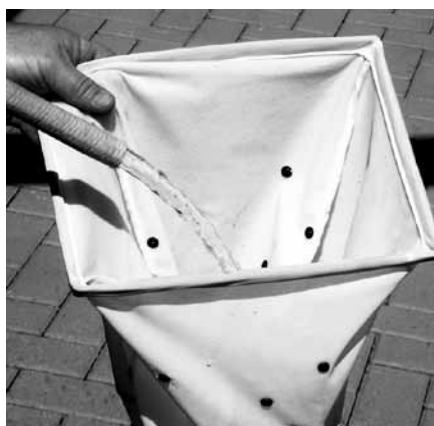


Figure 4



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Figure 5



Figure 6

## CLEANING THE ROBOTIC POOL CLEANER'S FILTER BAG

**Note:** It Is Strongly Recommended That The Remote Controlled Admiral Ultra-NAV's Filter Bag Should Be Cleaned After Every Use.

- Turn the Remote Controlled Admiral Ultra-NAV upside down and place on the ground or stable surface so the bottom lid is exposed.
- Press the two red tabs inward towards the centre of the Remote Controlled Admiral Ultra-NAV as shown in Figure 3. Lift the cleaner's bottom lid with the filter bag up and out of the cleaner.
- Grip the bottom lid of the Remote Controlled Admiral Ultra-NAV firmly, with one hand and use your other hand to grab the filter bag material and pull it away from and up from the bottom lid of the cleaner. Remove all large debris from the filter bag. Refer Figure 4.
- Turn filter bag inside out and hose out all remaining debris as shown in Figure 5. If filter bag is very dirty it may be washed in a washing machine.

**Note:** When using a washing machine it is recommended to turn the filter bag inside out and wash using cold water (only) and a mild detergent without any other item within the wash.

**Note:** Do NOT use a clothes dryer.

- Hose all debris out of the Remote Controlled Admiral Ultra-NAV's bottom lid being sure to remove all dirt from the fine filters situated on the intake doors as shown in Figure 6.
- To reinstall the Remote Controlled Admiral Ultra-NAV filter bag, first place Cleaner bottom lid facing up wards.
- Place the Remote Controlled Admiral Ultra-NAV's filter bag outer frame onto the Cleaner bottom lid and ensure the filter bag frame seats fully into the retaining channels.

**Note:** Visually ensure the Remote Controlled Admiral Ultra-NAV's filter bag is correctly seated into cleaners bottom lid retaining channels particularly the corners. Refer Figure 7.

- Once the filter bag frame is correctly positioned into the Remote Controlled Admiral Ultra-NAV's bottom lid retaining the filter bag is complete.
- Pick up the Remote Controlled Admiral Ultra-NAV's bottom lid and turn it over so the bag hangs down wards. Refit the cleaner's bottom lid back into the cleaner being careful to feed the cleaners filter bag back into the body of the cleaner.
- Once the Remote Controlled Admiral Ultra-NAV's bottom lid is seated press it firmly into the cleaner. Gently pull on the cleaner bottom lid to insure that it is properly locked in. The cleaner's bottom lid is now correctly installed.

**Note:** Ensure the Remote Controlled Admiral Ultra-NAV's filter bag is completely enclosed within the cleaner housing as the bottom lid will not close properly, and the cleaner will not operate.

## BLUE POWER CORD MAINTENANCE

In the course of using your Remote Controlled Admiral Ultra-NAV, the blue power cord may become twisted or tangled.

### The Remote Controlled Admiral Ultra-NAV Blue Power Kink Resistant Cord Advantage

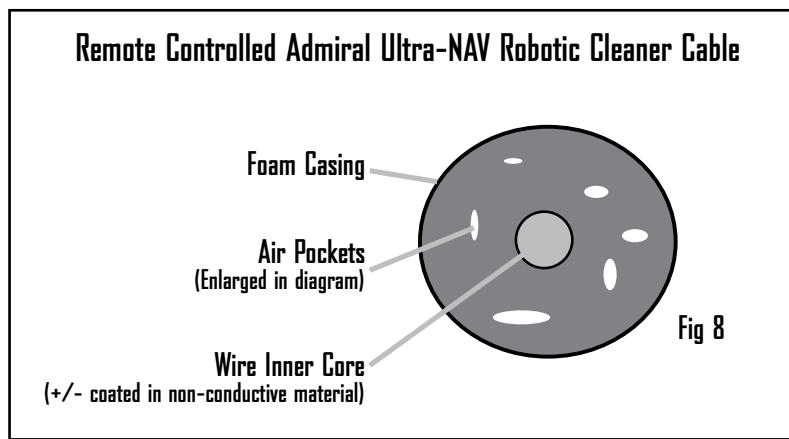
The Remote Controlled Admiral Ultra-NAV Robotic Pool Cleaner has a specifically designed blue power kink resistant cord using a one piece extruded technology that prevents the cord from delaminating, protecting the internal wires from shorting out and extending it's operating life.

If you refer to the blue power cord (Fig 8 next page), there are no layers as the cable & wires are manufactured simultaneously.

The coating of the cable is injected with air to form small pockets that allow it to float, so the outer layer takes the place of (3) layers of a typical cable.



Figure 7



The following five points can prevent or greatly reduce the tangling of the blue power cord:

- 1) Make sure there are no objects in the pool during the cleaning cycle for the blue power cord to get caught on (pool ropes, toys, etc).
- 2) Only allow enough blue power cord in the pool for full coverage/do not put excess blue power cord in the pool (Example 8m pool doesn't need 18m of blue power cord).
- 3) The Remote Controlled Admiral Ultra-NAV should not be connected to a timing devise and left continuously within a Pool or Spa.
- 4) Remove the Remote Controlled Admiral Ultra-NAV from the pool and uncoil the blue power cord from the power supply after ever cleaning cycle to release the tension in the blue power cord.
- 5) The Remote Controlled Admiral Ultra-NAV is designed to work with water at a temperatures  $>$  than  $13^{\circ}\text{C}$  and  $<$  than  $45^{\circ}\text{C}$ .  
The cleaner should never be operated outside of these temperatures or damage may occur.

To uncoil the blue power cord, it is best that the cord is wet:

1. Place the cleaner on the ground as shown below.
2. Be sure to use a clear area that will allow the blue power cord to stretch out in a straight line.
3. Pull the blue power cord so it is off the ground.
4. Using your fingers, roll the blue power cord in the opposite direction that it is coiled in.
5. When straight, wrap blue power for storage as shown below in Fig 9.

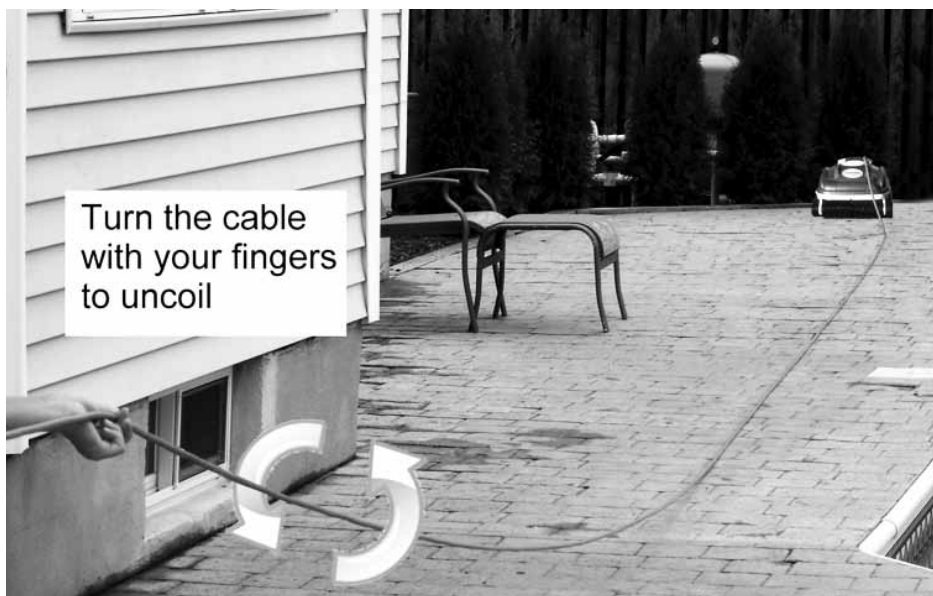


Figure 9



Figure 10

## STORING THE BLUE POWER CORD

- Loosely loop the blue power cord as shown in Figure 10.
- Hold the blue power cord close to the cleaner.
- Make a roughly half metre (two feet) loop with the blue power cord as shown.
- When making loops, roll the blue power cord slightly in a counter clockwise manner to maintain form.

**Note:** Do not wrap the blue power cord tightly around objects.

## GENERAL MAINTENANCE GUIDE

To ensure the maximum life of the Remote Controlled Admiral Ultra-NAV, please follow the procedures below:

1. Clean The Remote Controlled Admiral Ultra-NAV's filter bag after every use.
2. Maintain a correct chemical balance of your pool/spa water. The chemical balance of water is a relationship between its pH, total alkalinity, calcium hardness and water temperature.

The water must be maintained at all times to the following:

PH LEVEL: BETWEEN 7.2 & 7.8.

TOTAL ALKALINITY: BETWEEN 80 & 150ppm.

CALCIUM HARDNESS: BETWEEN 150 & 300ppm.

Also, within these tolerances be balanced to the Langelier Saturation Index within a range of -0.2 to +0.2.

**Note:** Testing kits are available to test the water yourself or alternately bring a sample of the water to a professional pool and spa shop.

3. Mains water and rural water supplies need to be monitored. Saturation (life) in mains water or bore (rural) will vary depending on water quality.

## WINTER STORAGE

If temperatures will regularly be below 5°C or over 45°C, the Cleaner and power supply (transformer) should be stored indoors.

## WARRANTY

The Remote Controlled Admiral Ultra-NAV has been manufactured, tested and inspected in accordance with carefully specified engineering requirements. It is warranted to be free from defects in materials and workmanship under normal use and service, subject to qualifications, conditions and limitations described below.

### 2 Year Limited Warranty:

One year full warranty, 2 years on Drive Motor and Pump Motor. This warranty applies only while using this product in Australia & New Zealand.

This warranty extends to the first consumer/purchaser for a period of 2 years from the original date of purchase.

This warranty covers only normal and reasonable use. Any damage, defects, malfunctions or other failures arising from its use without the original transformer or any use which does not comply with the instructions in this manual, including failure of the purchaser to provide reasonable and necessary maintenance, will void this warranty.

The warranty obligations of Waterco Ltd shall be limited to repair or replacement of the product or any defective component, at the discretion of Waterco Ltd. The repair or replacement may include the use of refurbished components and/or units. Waterco Ltd will not be liable or responsible under any circumstances or in any amount for any consequential or incidental damages, for any injury or damages to persons or property using or used in connection with this product, or for loss of profits or other costs or expenses of any kind or character.

This warranty does not include replacements of the filter bag, bottom lid, brushes and tracks.



## CAUTION:

Some pool vinyl liners are more susceptible to surface wear and pattern removal than others, caused by objects such as brushes, toys, floats, chlorine dispensers, and automatic pool cleaners coming into contact with the pool vinyl surface.

Such patterns can be easily scratched or abraded merely by rubbing the surface with a brush. Pattern ink can also rub off when they come into contact with objects in the pool. Waterco Ltd is not responsible for, nor does this limited warranty cover pattern removal, abrasion, and markings on or damage to any kind of pool vinyl liner.

[Important note: you may have additional rights under warranties mandated by the Trade Practices Act or similar legislation].

## PLEASE READ

1. These terms and conditions carefully, as failure to comply may affect your legal rights under this warranty; and
2. Any operation instructions carefully before commencing use of any product manufactured by Waterco Limited ("Waterco").

## WARRANTY COVER

If a defect occurs in any Waterco product, Waterco will at its discretion, repair the product or replace and install the defective part, free of charge provided that the defect results solely from poor workmanship or materials and subject to these terms and conditions.

Labour is covered by this warranty for a period of 2 years from the date of purchase or installation, within a 25 km radius of an authorised Waterco Service Agent.

The purchaser is responsible for any freight incurred.

Warranties are valid only within the original country of purchase.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if goods fail to be of acceptable quality and the failure does not amount to a major failure.

## WARRANTY PERIOD

Waterco warrants the Remote Controlled Admiral Ultra-NAV free of any defects in materials and workmanship for a period of 2 years.

The provisions of this warranty are not transferable and are in addition to and not in modification of or subtraction from any applicable statutory warranties, rights or remedies.

This warranty only applies where:

1. The products have been installed and operated in accordance with written instructions supplied by Waterco.
2. The purchaser is able to provide proof of purchase that specifies the date of purchase; The product has been serviced or maintained regularly. (At least once a month).

Any pool and spa equipment has been used in water:

1. With a temperature not exceeding 45° Celsius;
2. With a pH range maintained between 7.2 – 7.6;
3. That has been chemically balanced in accordance with the Langelier saturation index within a range of -0.2 to + 0.2 to ensure that it is not corrosive or scale forming;
4. That is not salt water (other than mild saline water conditions which are compatible with swimming pool salt water chlorination systems) – unless otherwise stated by Waterco in both the respective product labels and brochures that it is suitable for seawater applications; and

5. That has been regularly treated with a sanitizing system using bromine, chlorine in one of its compound forms, or generated in-situ, in concentrations (doses) recommended by the relative state or territory health departments. (In areas outside of Australia please refer to the local health department recommendations before use);

All repairs and replacements shall be carried out by Waterco or its authorised service dealer, unless otherwise authorised in writing by Waterco.

If an authorised service dealer is not available within 25 km of the purchaser's area:

- The purchaser must contact the place of purchase or Waterco for further instructions and;
- The purchaser is responsible for any freight or infield labour costs.

## EXCLUSIONS

This warranty does not cover, and Waterco will not be responsible for, any defect or damage caused or contributed to by:

- (a) installation or use of the product other than in accordance with Waterco's written instructions, any statutory requirements and these terms and conditions;
- (b) use of the product for a purpose other than for which it was designed or sold;
- (c) abuse, misuse, corrosion, internal and external, or normal wear and tear;
- (d) any repairs or modifications whatsoever carried out by any person, other than a Waterco authorised service dealer;
- (e) exposure to water not caused by a defect in the product; and
- (f) transit of the product over which Waterco has no control.

To the extent permitted by law Waterco excludes all liability it may have to the purchaser for indirect, special or consequential loss arising from or related to any defect in any Waterco product, or any act or omission of Waterco, including, but not limited to, loss of business, loss of profit, loss of revenue, lost opportunity, inconvenience, and damage to any property other than the Waterco product.

Waterco excludes all other conditions, warranties, liabilities or representations which might, but for these terms and conditions, be implied by law or otherwise. These terms and conditions do not exclude or modify any implied condition or warranty, or any liability imposed on Waterco by any law (including the Trade Practices Act), if to do so would contravene that law or make any part of these terms and conditions void.

To the extent permitted by law, Waterco excludes all conditions and warranties implied into these terms and conditions and limits its liability for breach of any such condition or warranty that it cannot exclude to the greater of (at Waterco's option);

### (a) for goods:

- Repairing or replacing those goods; or
- Paying the cost of having those goods repaired or replaced; and

### (b) for services:

- Resupplying the services; or
- Paying the cost of having those services resupplied.

## GENERAL

The chemical balance of the water is a relationship between total alkalinity, pH, Calcium hardness and temperature. Waterco recommends that you have your water tested regularly by your local pool professional. A record of testing should always be kept for reference.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so any such limitation may not apply.

<b>Product</b>	<b>Warranty</b>	<b>Exclusions</b>
Remote Controlled Admiral Ultra-NAV Robotic Pool Cleaner Remote Hand Control Unit	1 Year	1. Leaving cleaner in direct sunlight & out of water 2. Human intervention damaging the cleaner 3. Normal wear & tear 4. Colour fading due to sun 5. Water chemistry out of normal range
Drive Motor and Pump Motor	2 Years	1. Human intervention damaging the cleaner 2. Water chemistry out of normal range
Filter bag, bottom lid, brushes & tracks	Excluded	3. Normal wear & tear component

This warranty gives specific legal rights. The purchaser may have other rights depending on the jurisdiction in which the Waterco product was purchased or the purchaser is located.

### **Warranty Limitations:**

The provisions of this warranty are not transferable from the original purchaser and are in addition to and not in modification of or subtraction from any applicable statutory warranties, rights or remedies.

Labour is covered by this warranty for a period of 1 year from the date of purchase or installation, within a 25 km radius of an authorised Waterco Service Agent.

Spare parts used in the repair of products are covered by a 1 year warranty and are not covered by the original warranty from date of purchase or installation.

The purchaser is responsible for any freight incurred.

### **NOTE:**

Most pool cleaner problems are caused by incorrect installation, poor water chemistry and wear and tear. Please regularly check the condition of the Remote Controlled Admiral Ultra-NAV filter bag, bottom lid, brushes and tracks, as these are like the tyres on a car & need replacement from time to time.

Symptom	Possible Reasons
<b>Cleaner Dead in water/Will not Restart</b>	
Is time being allowed for the unit to reset?	At least 30 second are needed between cycles to reset the power supply.
Is the outlet working?	Earth Leakage Circuit Breaker or breaker may have tripped
Is an extension cord being used?	Extension cord may be defective
<b>Cleaner not Moving</b>	
Is there anything caught in the drive motor/brush area?	Debris could prevent the drive motor(s) from moving.
Is the bottom lid/filter bag installed correctly?	The bottom lid may be dragging on the pool surface.
Are the brushes spinning?	Drive motors may not be operational.
<b>No Suction/Not Picking up Debris?</b>	
Is the filter bag clean?	Large amounts of debris will reduce cleaner suction. (filter bag full)
Is there debris caught in the impeller?	Debris around the impeller may reduce cleaner suction.
Is the bottom lid/filter bag installed correctly?	An improperly installed filter bag may inhibit cleaner efficiency.
Is there water coming through the top of the cleaner?	The pump may not be operational.
<b>Back and Forth in One Spot/Standing on End/Wheelies</b>	
Is the bottom lid/filter bag installed correctly?	The bottom lid may be dragging on the pool surface.
Is there debris caught in wheels or brushes?	Debris may inhibit cleaner movement.
Is there enough cord in the pool?	The cleaner may not have enough cable for full pool coverage.
<b>Spinning in One Spot</b>	
Is there debris caught in the tracks, brushes or wheels?	Debris may inhibit cleaner movement.
Is the bottom lid/filter bag installed correctly?	The bottom lid may be dragging on the pool surface.
Are both drive motors rotating?	If one side of the drive motor isn't rotating then the unit will rotate in one area.
<b>Cleaner floating</b>	
Is there air caught in the filter bag?	Trapped air will cause the unit to float.
Is the filter bag clean?	Large amounts of debris will reduce cleaner suction.
Is there water coming through the top of the cleaner?	The pump may not be operational.
<b>Cleaner Not Climbing</b>	
Is there algae present in water?	Algae will create slick surfaces.
Are the brushes worn?	Wear and tear on brushes or tracks will reduce traction.
Is the filter bag clean?	Large amounts of debris will reduce cleaner suction.
Is there water coming through the top of the cleaner?	The pump may not be operational.
<b>Remote is not working</b>	Dead battery Antenna on PS not connected Floating cord Damaged
<b>Remote beeps, but robot does not respond</b>	Defective remote control Defective power supply

# TROUBLE SHOOTING

Potential Solution
Turn power supply off and allow 30 seconds for cleaner to reset.
Check Earth Leakage Circuit Breaker or breaker and try a different outlet.
Try running the cleaner without an extension cord. Using a Electrical Extension cord is not recommended.
Check for debris and remove if found.
Make sure the filter bag/bottom lid is properly installed or test cleaner without bottom lid. (Red Clips)
Check to see if the brushes are rotating during the cleaning cycle.
Thoroughly rinse the filter bag. Dirty pools may require the bag to be cleaned part way through cycle.
Check for debris and remove if found.
Make sure the filter bag is correctly installed ("PUSH IN" label should be covered by tab on bottom lid).
Check to see if there is water coming through the impeller during operation.
Make sure the filter bag/bottom lid is properly installed or test cleaner without bottom lid. (Red Clips)
Check for debris and remove if found.
Make sure enough cable is in the pool to cover all areas.
Check for debris and remove if found.
Make sure the filter bag/bottom lid is properly installed or test cleaner without bottom lid. (Red Clips)
Check to see if the brushes are rotating during the cleaning cycle.
Hold the cleaner under water and rock back and forth before starting the cycle.
Thoroughly rinse the filter bag. Dirty pools may require the bag to be cleaned part way through cycle.
Check to see if there is water coming through the impeller during operation.
Brush walls and check water chemistry.
Replace worn brushes or tracks.
Thoroughly rinse the filter bag. Dirty pools may require the bag to be cleaned part way through cycle.
Check to see if there is water coming through the impeller during operation.
Change battery Re-attach antenna Replace floating cord
Change battery Change remote Change power supply