



ariel

by solar-breeze



your pool's fave gadget & gizmo

Pool Owner's Manual

(but don't worry, she's easy to operate!)

Share your Ariel 

@solarbreezebots

#LoveAriel





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CONGRATULATIONS
on ditching the net **for good!**



2114 E 5th St
Tempe, AZ 85281

(623) 582-2825
customerservice@solar-breeze.com
www.solar-breeze.com

@solarbreezebots
on Facebook, Instagram & Twitter

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Safety Precautions

Ariel by Solar-Breeze might look like a pool toy to some children and may lure them into the swimming pool when no one is looking.

ALWAYS WATCH CHILDREN AROUND WATER.

NEVER leave children in the pool or around the pool without supervision.

Do not swim or dive while Ariel is on the pool surface. Ariel must be removed from the water before swimming because she presents a potential safety hazard to swimmers. Swimming with Ariel in the pool might cause the pool robot to become submerged, which may cause damage and void the warranty.





What's Inside this Guide

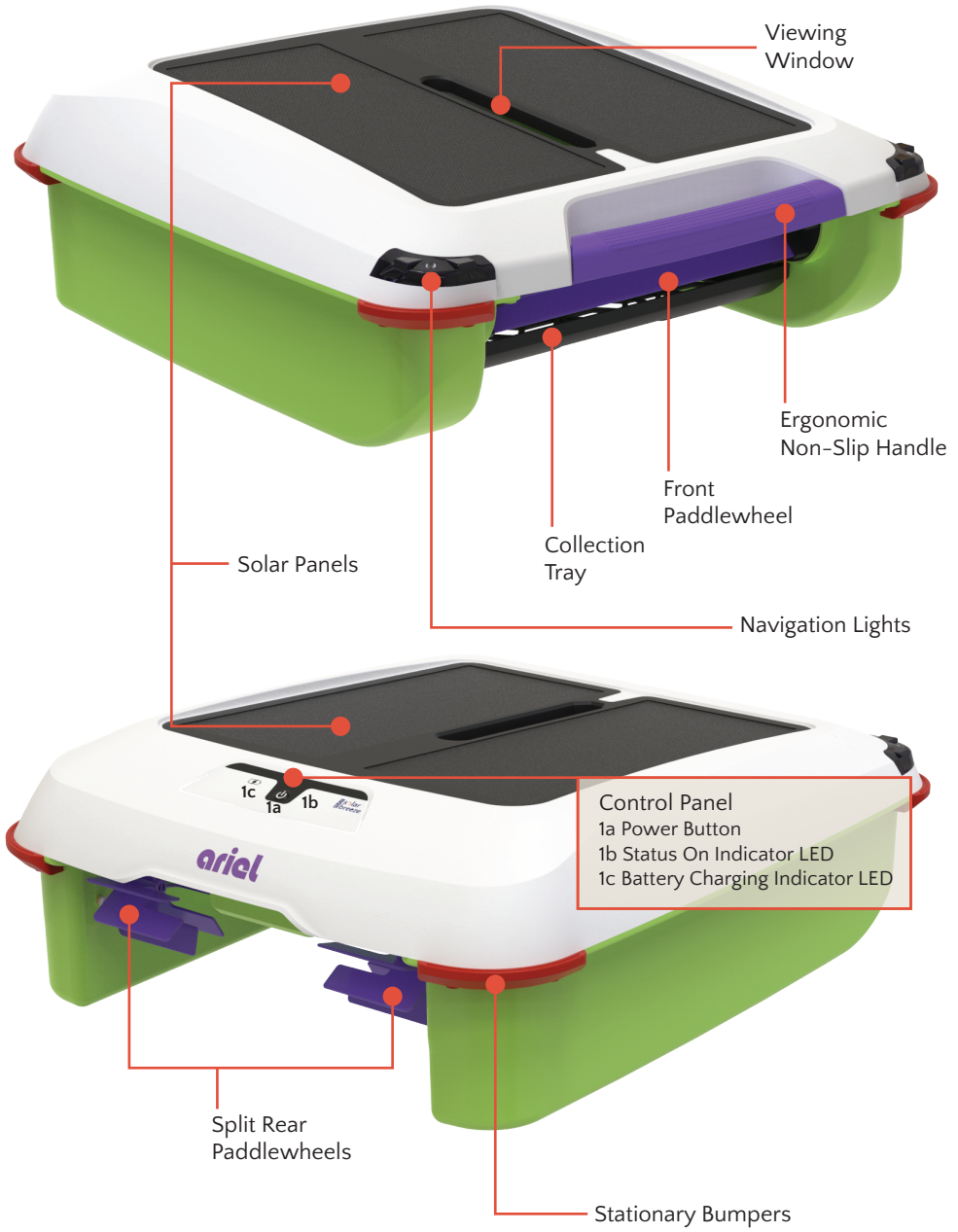
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Components



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About Ariel by Solar-Breeze

Layers of dust and debris that loom on the pool surface often discourage pool owners from jumping right in. Ariel produces clean pools by combining the force of solar-power and intelligent technology to effortlessly travel the pool's surface collecting leaves, debris, dust, pollens, hair, and suntan lotions. Collecting debris before they decay and sink to the bottom is the key to a clean pool. Ariel owners enjoy a net-free world, less bacteria and algae growth, less filtration and sanitization needs, and less pool pump runtime. Ariel is powered by solar energy and a rechargeable lithium iron phosphate battery, and she does not require hoses or power cords to operate.





How Ariel Works

POWER AND CHARGE

Ariel by Solar-Breeze is powered by direct sunlight, and she collects and stores surplus solar power in her rechargeable battery. On a normal sunny day, enough power will be stored in the battery to allow Ariel to continue operating through the evening.

When the battery reaches a preset low-voltage level and is too low to run the skimmer, the unit will shut down automatically. This may occur primarily in the evening once the pool has been in shade for some time or on a cloudy day when the energy available from the sun is low. When this happens, the “Charge” light will remain solid red indicating a low battery. There is no need to remove the unit from the pool. When solar energy becomes available, the unit will recharge itself and start operating again. While charging, the “Charge” light will flash green. When the battery reaches full charge, the “Charge” light will turn solid green.

While Power is on but there is not enough energy to run the paddle-wheels, the “Power” light will be off most of the time but will blink green briefly. This can happen in the shade and evening with low battery, or in the morning when the unit is charging but cannot run yet.

If there are low light conditions and the battery gets very low, all indicator lights will eventually turn off. There is no need to remove the unit from the pool. When solar energy becomes available, the unit will recharge itself and start operating again.

PROPULSION AND DEBRIS COLLECTION

Ariel is propelled through the water by two paddle-wheels located at the rear of the unit (where the control panel label is located). The front paddle-wheel captures debris in the collection chamber inside the apparatus. As water enters the collection tray, it passes through a fine mesh filter





which removes large debris as well as very small particles. Ariel storage capacity is twice the amount of a typical pool skimmer inlet.

NAVIGATION

Ariel by Solar-Breeze has built in sensors in the front for navigation. When the robot approaches an object, it will automatically detect the obstruction and correct its course to avoid the object.

CONTROL PANEL INDICATOR LIGHTS

Ariel's control panel has two indicator lights that provide information at a quick glance.

POWER LIGHT

The 'Power' light will remain solid green when Power is on and the paddle-wheels are operating.

The 'Power' light will be on most of the time but briefly turn off when Ariel has been placed in Standby to stop the paddle-wheels (for removing from the water or for charging the unit more rapidly). You will need to press and release the power button again to return to operation with the paddle-wheels running.

The 'Power' light will be off most of the time but will blink green briefly when Ariel Power is on (and the unit is not in Standby), but there is not enough energy to operate the paddle-wheels. The unit will automatically return to operation with the paddle-wheels running once there is enough energy.

CHARGE LIGHT

When the solar panels are charging the battery, the "Charge" light will flash green. Turn Ariel on or place her





in Standby to charge the battery. When the unit is first placed in the sun, it may take a few minutes before the CHARGE light begins to flash. Once the battery is fully charged, the Charge light will stop flashing and remain solid green. A solid red CHARGE light indicates low battery. If the battery is not low and not charging, the CHARGE light will remain off.

In a normal day, when the ambient temperature is below 110 degrees F, Ariel can be charged more quickly outside the pool by placing the unit in Standby.



Power Indicator LED

Status On:	Solid Green
Status Standby:	Green – OFF
Status On, Stopped:	OFF – Green
Status Off:	No Light

Charging Indicator LED

Fully Charged:	Solid Green
Charging:	Flashing Green
Low Battery:	Solid Red
Not Charging:	No Light

NIGHT-TIME RUNNING LIGHTS

Ariel is equipped with two LED night-time running lights that flash only at night or when there is no sunlight or artificial light hitting on the solar panels. These are provided for safety so the robot is always visible in the pool when it's dark. If the battery gets very low, the lights will eventually stop flashing.





Using Ariel for the First-Time

INSPECT THE DEBRIS COLLECTION TRAY BEFORE OPERATING ARIEL

The debris collection tray slides out the front of the unit, using the grip handle provided on the front underside of the tray. Before operation, remove this tray in case it was dislodged during shipping or not properly engaged after storing for periods of time. Then carefully insert the whole debris tray back into Ariel by engaging the slots on both sides. When the debris tray is fully inserted, you will hear a quiet click as it locks into place. This ensures the debris will be captured in the collection area and will not simply flow through the apparatus.

PLACE ARIEL IN THE POOL

Ariel is designed with an ergonomic, non-slip handle. Use both hands when placing the robot in the pool. Hold the unit at both the front and rear before lowering her gently into the water, facing toward the center of the pool.

POWER ARIEL ON

After placing Ariel in the pool, press the power button. The green power light will come on and the paddlewheels will rotate in a forward direction. The rear paddlewheels provide propulsion and the front paddlewheel scoops debris into the collection tray.

During operation, the skimmer may get debris stuck in the front paddle wheel. If this occurs, place the unit in Standby to stop the paddle-wheels, clear the debris and take the unit out of Standby to restart paddle-wheel operation.

Remember that Ariel may be on, but if there is not enough energy from the batteries or solar panel to operate the paddle-wheels the “Power” light will briefly flash on to indicate that she is waiting for sufficient energy.





STANDBY OPERATION

To place Ariel in Standby, press and release the power button while the unit is on. To take the unit out of Standby, press and release of the power button again. Use Standby when you want to stop the paddle-wheels temporarily while out of the pool, or you want to charge the batteries more quickly.

POWER ARIEL OFF

To turn Ariel off for storage or a longer time of disuse, press and hold the power button until the unit turns off. Please note that Ariel will not charge its battery or automatically restart operation if the unit has been turned off, unless the battery has gotten so low during storage that the unit resets to factory conditions.

Caring for Ariel

CLEANING ARIEL

After a period of weeks or months, Ariel may begin to accumulate calcium or mineral deposits along the water line and also around the edges of the solar panels. Before these deposits become severe and either cause damage to the unit or impact its performance, we recommend cleaning Ariel using the following procedure:

- Use a sponge or damp cloth to wipe down Ariel with a dilute mixture of CLR and water to break down the mineral deposits.
- Thoroughly wash Ariel using a mixture of warm water and soap.
- Dry Ariel using a soft dry cloth.





EMPTYING AND CLEANING THE DEBRIS TRAY & COLLECTION CHAMBER

The opening on top of Ariel makes it possible to see when the debris collection chamber is becoming full. When this occurs, simply turn off the unit by pressing the power button and lift Ariel from the pool by grasping the non-slip grip front handle and underneath the control panel. Remove the debris tray by sliding it out the front of the unit, and empty the tray and collection chamber into a trash receptacle or compost bin. Keep the tray horizontal so that the debris will not fall off the tray.

Rinse the debris tray after emptying to remove any fine debris. You may also choose to wash out the inside of the debris collection chamber using a low-pressure stream from a garden hose.

DO NOT USE A HIGH-PRESSURE STREAM OF WATER TO CLEAN THE BODY OF ARIEL.

Depending on the chemical composition of your pool, you may occasionally observe red staining of the steel filter mesh in the debris tray. If this occurs, the stain can be removed by using a tooth brush and CLR.

Slide the clean debris tray back into Ariel and listen for the click that indicates it is locked in place. Place the unit back in the pool and press the power button.

STORING ARIEL

If the battery is low, charge the battery until it is not low. If the battery is full, operate the unit until "Charge" is not shown as full – or at least for 30 minutes away from sun or strong artificial light when it has been operating with a full charge. Then turn the unit off.





Place the robot in a dry place. The storage temperature CANNOT be below 32°F. Store Ariel on a flat surface, or in her original storage box. Do not place heavy objects on top of her in storage.

Power Ariel up when it's swim time! After the robot has sat idle for months, it is important to manually rotate all of the wheels before powering her up.

DISPOSAL

Ariel contains a lithium technology rechargeable battery which may have special handling requirements if disposing of the unit.

Registering your Ariel

To validate your limited warranty, register Ariel online within 30 days from the date of purchase.

The six-digit serial number can be found on the side of the cardboard box next to the barcode or on the underside of the robot's solar panel. Simply slide the debris tray out from the front of the robot, and look inside of her cavity. **DO NOT ATTEMPT TO REMOVE SOLAR PANELS TO FIND SERIAL NUMBER.**





Limited Warranty

The manufacturer of this product hereby warrants, subject to the conditions set forth below, that it will:

1. Provide a full refund of the original purchase price if the product proves to be unsatisfactory and is returned to the place of purchase within 30 days of the original purchase date.
2. Repair or replace the product, at its option, within 1 year of the original purchase date if it proves to be defective due to improper workmanship or materials. In order to obtain repairs or replacement under this limited warranty you must bring or ship this product to the manufacturer authorized repair center, and contact CustomerService@Solar-Breeze.com, OR call the Warranty Service phone number 623-582-2825 for return authorization.
3. Repairs will be performed at the manufacturer/authorized repair center; and will be shipped back to the customer.

The following conditions apply to this Limited Warranty:

1. ORIGINAL PURCHASER. This limited warranty is limited to the original purchaser of this product from a retailer, manufacturer or authorized distributor.
2. UNAUTHORIZED REPAIR, ABUSE, ETC. This product shall not have been previously altered, repaired, or serviced by anyone other than a service facility authorized by the manufacturer or distributor to render such service. This product shall not have been subject to accident, misuse, abuse, casualty, vandalism, or operated contrary to instructions accompanying this product.
3. REGISTRATION. THIS WARRANTY, TO BE EFFECTIVE, MUST BE REGISTERED WITHIN 30 DAYS OF THE PURCHASE DATE BY REGISTERING ONLINE AT www.solar-breeze.com
4. EXCLUSIONS. This warranty does not apply to any Ariel





by Solar-Breeze robot that has been mistreated in any way, including if the unit has been:

- a. Submerged underwater sufficiently to get water inside the motors or electronic enclosures.
- b. Treated roughly, so as to break components by what is obvious abuse (such as breaking the solar panels or cracking the plastic housing, paddle-wheels or other components).
- c. Stored or used in a pool of water where the pool surface freezes or becomes too foul to allow its use as a swimming pool, or allowed to remain in water during sleet, snow, tropical storms, or swimming activity.
- d. Stored (out of water) in excessively hot or cold environments (below 32°F or above 130°F).

Except to the extent prohibited by applicable law, no other warranties, whether expressed or implied, including the warranties of merchantability and fitness for a purpose, shall apply to this product. Under no circumstances shall manufacturer or distributors be liable for consequential or incidental damages in connection with this product. To the extent manufacturer is prohibited by applicable law from excluding implied warranties, the duration of such implied warranties, which are not excludable, shall be 1 year from the date of the purchase of this product at retail.

- a. Submerged underwater sufficiently to get water inside the motors or electronic enclosures.
- b. Treated roughly so as to break components by what is obvious abuse (such as breaking the solar panels or cracking the plastic housing, paddlewheels etc).
- c. Stored or used in a pool of water where the pool surface freezes or becomes too foul to allow its use as a swimming pool, or allowed to remain in water during sleet, snow, tropical storms, or swimming activity.





d. Stored (out of water) in excessively hot or cold environments (below 32°F or above 130°F).

Except to the extent prohibited by applicable law, no other warranties, whether expressed or implied, including the warranties of merchantability and fitness for a particular purpose, shall apply to this product. Under no circumstances shall manufacturer or distributors be liable for consequential or incidental damages in connection with this product. To the extent manufacturer is prohibited by applicable law from excluding implied warranties, the duration of such implied warranties, which are not excludable, shall be 1 year from the date of the purchase of this product at retail.

Manufacturer neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than such as is expressly set forth herein.



2114 E 5th St
Tempe, AZ 85281

(623) 582-2825
customerservice@solar-breeze.com
www.solar-breeze.com

@solarbreezebots
on Facebook, Instagram & Twitter

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Out-of-the-box pool cleaning.

Ariel by Solar-Breeze comes precharged so she can get to work for you right away.

- 1 Turn on.
- 2 Put in pool.
- 3 Go relax.

If you are not satisfied with Ariel by Solar-Breeze for any reason, DO NOT return her to your place of purchase.

Contact Pivot-Solar Breeze at:

 (623) 582-2825

 customerservice@solar-breeze.com

 www.solar-breeze.com

If you have not already done so, we suggest that you read the Your Pool Owner's Manual in its entirety.

Brought to pools everywhere
by the cool engineers of

PIVOT solar
breeze



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