

LEAFMAX

INSTRUCTION MANUAL

Battery: 11.1V / 5,200 mAh Charging power: 12.6V DC, 1.0A
Motor voltage: 11.1V DC Waterproof grade: IPX8

SAFETY WARNING

When installing and using this electrical equipment, you should always follow the basic safety precautions. Please read the following carefully

Warning!

This cleaner is not a toy and should be operated by people older than 8 years of age. Anyone who operates this cleaner, has to read the manual carefully before using it.

- (1) This cleaner is designed to clean a swimming pool or a swim spa.
- (2) Only use the original battery and charger provided.
- (3) Only charge the cleaner when the power is OFF.
- (4) Store the cleaner in a clean, dry location. Do not

expose the cleaner to direct sunlight, or close to explosives.

(5) Please make sure there are no sharp objects in the pool to avoid damage to the cleaner.

(6) The cleaner automatically shuts off when it is out of water.

(7) Avoid blocking or impeding the flow of the cleaner's suction port while operating.

(8) Do not disassemble the cleaner without professional guidance from an authorized repair center.

(9) Should an oil leak occur, remove the cleaner from the water and place it in a plastic bag.

(10) Please contact the company where the cleaner was purchased should the cleaner stop working. Only original parts may be used for repairs.

(11) Maximum water depth: 1.5 m (5 ft)

(12) Water temperature operating range:
4°C (39.2°F) - 35°C (95°F)

1. Charger:

(1) Only use the original charger provided.

(2) For indoor use only. The charger should not be used outdoors and must not be exposed to rain, humidity, liquids, sunlight, or heat.

(3) Keep the charger out of the reach of children.

(4) Never use the charger if it is damaged.

(1)(5) Do not handle the cleaner or charger with wet hands and or bare feet while charging the cleaner.

(6) Disconnect the charger from its power source when not in use.

(7) If the wire is damaged, replace the entire charger to avoid danger.

(8) Make sure the cleaner and charger are totally dry before charging.

(9) Charge the cleaner 4-5 hours prior to the first use.

Normally the cleaner will operate for approximately 60 minutes when fully charged.

2. Battery disposal:

(1) The battery is a lithium battery and must be disposed of properly. Contact your local authority for more information.

(2) Never attempt to disassemble the lithium battery.

(3) Remove all personal items that are metal should a lithium battery need to be removed from the cleaner by authorized personnel only.

(4) In rare situations, the battery may overheat and cause severe burning when high current occurs because of a short circuit.

(5) Wear complete eye protection, gloves and protective clothing when authorized personnel only needs to remove the battery pack.

(6) Avoid smoking near or exposing the cleaner to flames to avoid exposure to unhealthy gases.

(7) If acid comes in contact with skin and clothing, wash immediately with plenty of soap and water.

(8) If acid comes in contact with eyes, immediately flood eye with running cool water for at least 15 minutes. Seek medical attention immediately.

The above warnings and cautions are not intended to incorporate all possible instances for risks and/or severe injury. Pool/spa owners should always exercise caution and common sense when operating the cleaner.

Assembly

A: Std. Filter bag

A-1: Fine material filter bag

B:

Cleaner

Body

C:

Charger

Adapter

The cleaner is equipped with an oversized, spiral impeller, which rotates to vacuum and deposit the debris into a 5-liter, extra-large filter bag.

Assembly and operation

Charger Adapter

Use only the original external adapter and the charging cable provided. Make sure the cleaner and charger ports are clean and dry before installing.

Push the power button located at the top of the cleaner "ON" before using it for the first time (leave on for about 3-4 hours)

Switch

Charger Port

1. Remove the charging port cover by turning it in a counter clock- wise direction to access the charging port.
2. Insert the charger plug (with the slot aligned) into the charging port on the cleaner. The indicator light on the charger will turn red, to indicate normal charging is occurring.
3. After about 3-4 hours, the indicator light on the charger will change from red to green, indicating that the battery is fully charged. Remove the charger from the cleaner and rotate the charger cover clockwise over the charging port. **IMPORTANT!** Align the cap properly to ensure that the charging port is sealed.

1. Cleaner Assembly

Assembly and replacement of filter bag(s):

1. Remove the Velcro from the filter bag, place the bag over the cleaner, and reapply the Velcro around the bag. Note: Do the same for the fine filter bag (included) as well.

2. Fasten the mesh bag fixing frame to the host, as shown in the figure.

Connect the cleaner to a standard telescopic pole (not included):

Insert the pole over the cleaner's handle until both sides of the V-clip appear outside of the telescopic pole.

Debris Removal

Open the quick clip along the frame along the base of the filter bag, remove the bag and open the zipper at the top of the filter bag. Empty the debris and spray clean the inside of the bag thoroughly.

Maintenance and storage

1. The battery continues to discharge during storage. Make sure the robot is fully charged before storing it.
2. When not in use, you must recharge the battery at least once every THREE months.
3. Keep the charging adapter and cable separate from the robot while storing.
4. Clean the robot and filters with clean water prior to string it. Do not use detergent.
5. Remove all water from the robot before storing it, making sure the robot is completely dry.
6. Use a wet cloth to clean and dry the robot and its accessories.
7. Store in a well-ventilated place away from sunlight, heat, fire sources, pool chemicals and children

The storage temperature should be 10 °C – 25 °C or (50 °F – 77 °F).

Note: higher storage temperatures may shorten battery life.

Battery assembly and replacement

Warning!

Do not treat electrical appliances as unclassified municipal waste, use separate collection facilities. For information on available collection systems, contact your local government.

Do not remove the lithium battery without authorization.

When removing the lithium battery from the vacuum device, please remove all metals such as rings, bracelets, necklaces, and watches.

The short-circuit current generated by a battery is enough to adsorb the ring (or similar items), causing severe burns.

Before removing the battery pack, please wear eye protection, gloves, and protective clothing. Be careful not to touch the wire or any metal parts, or it will cause spark or short circuit.

Do not smoke, spark, or flame near the cleaner, or it will ignite the battery and produce gas. Avoid exposing the battery to fire or high temperature, otherwise it may cause explosion.

Note:

In case of battery leakage, avoid contact with the damaged battery and put it in a plastic bag. If skin or clothing is in contact with acid, wash immediately with plenty of soap and water.

If the eyes are in contact with acid, rinse the eyes with water for at least 15 minutes and send them to a doctor for treatment.

Battery replacement

NOTE: User must consult with an authorized repair center to replace the battery.

1. Turn the seal cap covering the charging port in a counterclockwise direction. Remove the top 3 screws with a screwdriver, and open the cover as shown in the following figure.

2. Use a screwdriver to unscrew the 5 screws on the motor cover. Open the cover & locate the battery connection wire. Press the clip on the connector and pull out the battery as shown in the below figure.



3. After removing the battery, wrap the connector with electrical tape immediately to avoid a short circuit caused by two wire terminals coming in contact with each other.

4.

After replacing the battery, follow the disassembly steps to reinstall the battery and other parts.

LIMITED WARRANTY- USA/CANADA

General Terms

Note: Please retain the original box/packaging and internal packaging materials for any Inovasia product to facilitate warranty returns. You are solely responsible for damage during shipping. You may need to purchase packaging / shipping materials from Inovasia's repair center to ship your product.

Inovasia ("Inovasia") warrants this product ("Product") against defects in material or workmanship for the time period set forth below ("Warranty Period") for each product type.

Pursuant to this Limited Warranty, during the Limited Warranty Period upon receipt of verification of the purchase date of Product and warranty return in accordance herewith, Inovasia will, in its sole discretion:

- (i) repair the Product (or parts thereof determined to be defective) to the original specifications, or
- (ii) replace the Product with a new or refurbished* Product.

In the event of a covered defect, these are your exclusive remedies.

* For purposes of this Limited Warranty, "refurbished," means a product or part that has been returned to its original specifications.

The LeafMAX model comes with a 1-year limited warranty period

Warranty Claim Procedure

To obtain warranty service, you must comply with the following requisite instructions:

- (1) Visit website at <https://inopool-us.com>. You will be guided through the process on how to obtain an RMA# (Return Merchandise Authorization Number), which is required for all approved warranty returns. All customers **must** obtain an RMA number before any Product will be accepted for warranty service. For additional help go to: customerservice@avalancheind.com

- (2) **If instructed to do so**, package the Product properly and securely, along with the Inovasia battery charger (if the unit requires an Inovasia charger), in the original box.
- (3) Attach the printed RMA number you received from the website to the outside of the package. *Note*: It is advisable to also place a copy of the RMA inside of the package. If you are not able to print the RMA number from the website, you must write your RMA number legibly on two sides of the box. We recommend using thick black indelible marker. Packages lacking an RMA or having illegible RMA will not be accepted for warranty service.
- (4) Ship the Product with the RMA clearly legible to:

**Attention: Avalanche 3PL 144 Dixon St, Selbyville, DE
19975**

Inovasia is not responsible for lost, stolen or damaged property in transit to Avalanche 3PL & recommends that you insure the contents of your package.

- (5) *Repair/Replacement Warranty*. This Limited Warranty shall apply to any repair, or replacement of any Product or part(s) for the lesser of the remainder of the original Limited Warranty Period or for (1) year whichever is shorter. Any original Products or parts replaced during Warranty Service shall become the exclusive property of Inovasia.

Limitations and Exclusions

THIS LIMITED WARRANTY IS SOLELY APPLICABLE TO NEW PRODUCTS PURCHASED IN THE US AND CANADA FROM AN AUTHORIZED INOPOOL DEALER BY THE ORIGINAL PURCHASER AND IS NOT TRANSFERABLE TO SUBSEQUENT PURCHASERS. This Limited Warranty covers only defects in material or workmanship that arise in manufacturing or in the course of ordinary consumer use and which preclude normal use of the Product for its intended purpose. REFURBISHED PRODUCTS ARE NOT SUBJECT TO THIS WARRANTY BUT ARE INSTEAD SUBJECT THE TERMS OF THEIR SALE, INCLUDING ANY WARRANTY PERIOD SPECIFIED AT THE TIME OF PURCHASE.

Exclusions. This Limited Warranty does not cover defects that are solely cosmetic in nature, or which do not interfere with function of a warranted Product. Also excluded are issues caused by other than manufacturing or normal consumer use, including but not limited to Product issues caused by commercial use of any kind or extent, misuse, abuse, accidental damage, limitations in technology, or unauthorized access to or modification of any part of the Product. This Limited Warranty is void if the factory-applied serial number has been altered or removed from the Product. This Limited Warranty does **not** cover any Inovasia products sold AS IS or WITH ALL FAULTS or consumables (such as batteries), or those which are expressly excluded from warranty coverage, including but not limited to accessories and supplemental items provided with various Products.

Disclaimer of Other Warranties. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, AND EXCEPT AS PROVIDED HEREIN, INOVASIA EXPRESSLY DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED IN CONNECTION WITH THE PRODUCTS, INCLUDING BUT NOT LIMITED TO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

Exclusion of Damages and Limits of Liability. IN NO EVENT, REGARDLESS OF THE LEGAL BASIS FOR THE CLAIM, WILL INOVASIA, ITS AFFILIATES, AND/OR REPRESENTATIVES' BE LIABLE FOR SPECIAL, INDIRECT, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES, EVEN IF INOVASIA HAS KNOWLEDGE OF OR BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND WHETHER OR NOT THEY ARE FORESEEABLE. STATUTORY DAMAGES AWARDED UNDER ANY LAW WILL BE DEEMED TO BE DIRECT AND COMPENSATORY, AND NOT PUNITIVE OR EXEMPLARY DAMAGES; AND IN NO EVENT SHALL INOVASIA BE LIABLE TO CUSTOMER OR ANY OTHER PERSON OR ENTITY FOR LIABILITY ARISING OUT OF THIS WARRANTY, WHETHER

ARISING IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY), BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY.

INOVASIA'S AGGREGATE LIABILITY UNDER THIS WARRRANTY SHALL BE LIMITED TO DIRECT DAMAGES UP TO THE GREATER OF THE AMOUNT PAID BY CUSTOMER FOR ANY PRODUCT COVERED UNDER THIS WARRANTY OR ONE THOUSAND DOLLARS (US) (US \$500). THIS LIMITATION APPLIES REGARDLESS OF WHETHER THE ALLEGED LIABILITY IS BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, BREACH OF WARRANTIES, OR ANY OTHER LEGAL THEORY.

NOTWITHSTANDING THE FOREGOING, THE LIMITATIONS AND THE EXCLUSIONS SET FORTH IN THIS WARRANTY DO NOT APPLY TO (I) INOVASIA'S LIABILITY FOR ANY DAMAGES AWARDED OR ANY AMOUNTS TO SETTLE LITIGATION OR THREATENED CLAIMS RESULTING FROM DEATH, BODILY INJURY, OR ITS GROSS NEGLIGENCE OR WILLFUL MISCONDUCT. CUSTOMER ACKNOWLEDGES THAT INOVASIA HAS SET ITS PRICES FOR THE PRODUCT AND PROVIDED THIS WARRANTY IN RELIANCE UPON THE LIMITATIONS OF LIABILITY AND THE DISCLAIMERS OF WARRANTIES AND DAMAGES SET FORTH HEREIN, AND THAT THE SAME FORM AN ESSENTIAL BASIS OF THE BARGAIN BETWEEN THE PARTIES WITH RESPECT TO THIS WARRRANTY.

ENVIRONMENTAL REGULATIONS

Please respect the local regulations and help to protect the environment.

Return non-working electrical equipment to a facility appointed by your municipality that properly recycles electrical and electronic equipment. DO NOT dispose of the device illegally. Remove all batteries before disposing of the device.

Inovasia reserves the right to change all or part of the contents in this document without prior notice

Troubleshooting

Problem	Possible Causes	Solution
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The cleaner doesn't capture debris.	The battery is low & needs to be charged	When the switch light turns ON for 2 seconds and OFF for 1 second and begins flashing 10 times slowly, turn OFF the cleaner. Recharge the cleaner. When charging is complete, turn the cleaner ON. The cleaner will operate for approximately 75 minutes.
	Impeller is blocked	When the impeller is blocked, the light flashes continuously at 0.5 second intervals, and the motor automatically turns OFF. Turn off the cleaner. Check the impeller and carefully remove all debris by hand. Turn on the cleaner to resume normal operation.
	Impeller damage	Please contact your authorized repair center for replacement.
	Debris is blocking the suction port	Remove the debris.
	The filter bag is full	Remove the debris and rinse the filter bag.
Problem	Possible Causes	Solution
Debris escapes from the bottom of the transparent base	The filter bag is full	Clean or replace the filter bag
	The backflow plate is broken	Replace the backflow plate
Debris is escaping from the filter bag	Filter bag is damaged or torn	Replace the filter bag
ON/OFF switch is not working properly or at all	Damaged circuit board	Please contact your dealer for replacement.
	The battery is depleted or damaged	Recharge the battery or contact your authorized service center to replace the battery.
	Motor is damaged	Please contact your authorized service center for replacement.
	There is debris around the sensor, or the sensor is oxidized	Clean the sensor using a cloth material or brush.
The cleaner handle will not attach to a telescopic pole	V-Shape clip is broken	Replace the V-Shape clip with a new one.
Cleaner is unable to charge	Battery is damaged	Please contact your authorized service center for replacement. Warning! Only use an original lithium battery for replacement to avoid damage to the cleaner.
	Charger is damaged	Please contact your authorized service center for replacement. Warning! Only use an original charger for replacement to avoid damage to the cleaner
Indicator Light Status	Light remains on	Normal working state
	Slow flashing light	The light flashes for 2 seconds, then 1 second, and then goes OFF after about 30 seconds, indicating that the battery has been depleted. (Refer to battery section for remedy.)
	Fast flashing of light	When the light flashes at intervals of 0.5 second intervals, the impeller is blocked or in the process of being blocked. (Refer to the impeller section for the remedy.)

LEAFMAX PARTS LIST