ALINA

User Manual



THE SMART SOLAR REFLECTOR

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Hello!

Scientists have long understood the mental and physical benefits the sun's rays can bring us. From stimulating the body's production of essential vitamins, supporting sleep to regulate our circadian rhythms and improving our mental health, sunlight is an essential ingredient of wellness — and life itself of course.

But not everyone gets enough sun. Even in places that enjoy more sunshine, our changing work patterns and the increasing importance of the online world means many of us are spending more time inside and reducing the amount of natural sunlight we enjoy during the day. We are becoming sun poor.

We have developed a new and effective way to bring the restorative power of natural sunlight into our homes and offices.

Meet ALINA, the Smart Solar Reflector.

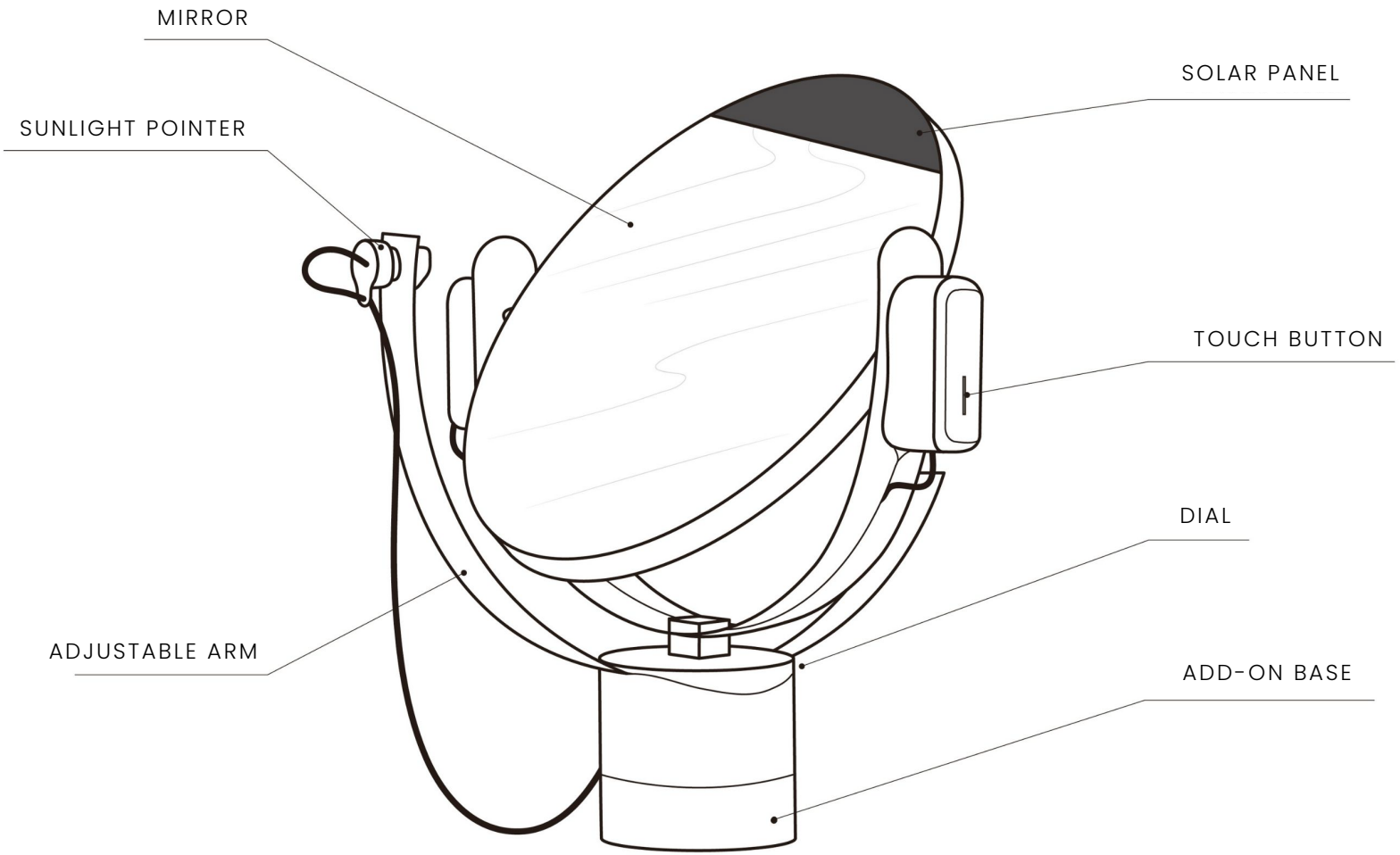
Self-powering and beautifully designed, the ALINA Solar Reflector automatically tracks the sun through the day to bring natural light effortlessly. Wherever you can — in an office space, a dark living area, illuminating a wall or highlighting a feature — she lifts with sunlight.

The highly efficient mirror made from the thinnest glass and copper can reflect the equivalent of 100W of lighting in full sun, enough to flood a room of 25 square meters (approx. 269 sq feet) with ambient lighting.

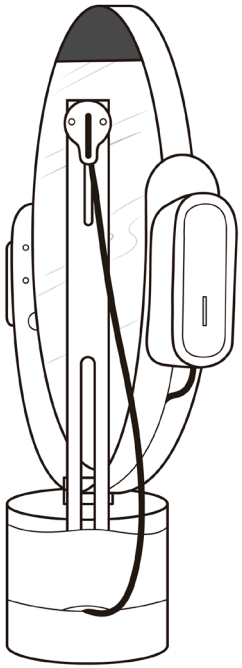
WELCOME ALINA!

In a world that spends more of its time inside, ALINA is a smart new way to introduce the restorative power of natural sunlight into homes and offices.

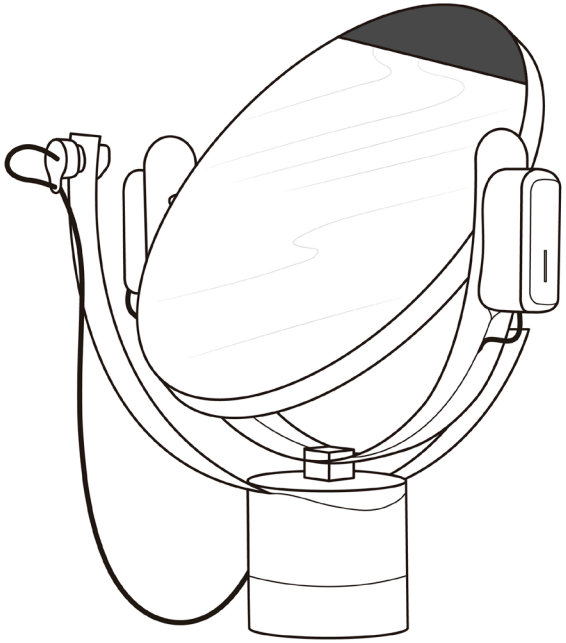
Not a lamp, but an autonomous self-powering solar reflector, ALINA uses unique algorithms to track the sun through the day and bring natural light simply, effortlessly and elegantly into life.



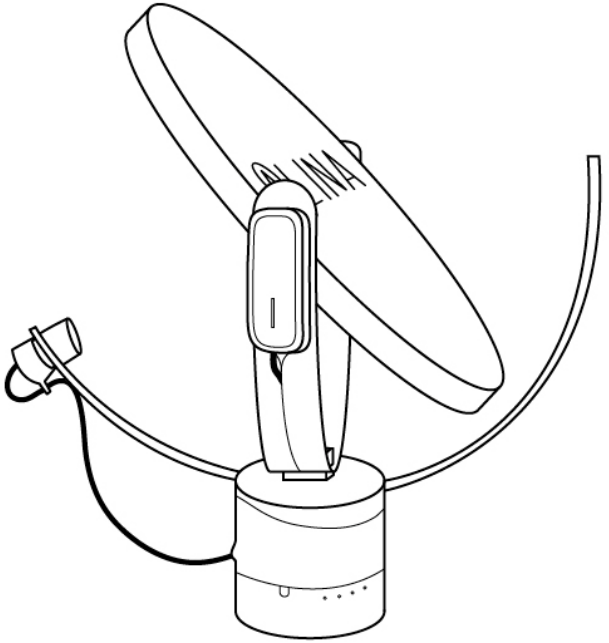
ALINA'S POSITIONS



This is ALINA's 'FOLD' position.
In this position she is 'OFF'.



This is ALINA's 'HOME' position.
In this position she is in 'STANDBY'.



This is ALINA's 'SLEEP' position.
In this position she is in 'STANDBY-SLEEP'.

HOW TO OPERATE ALINA

NEVER APPLY PHYSICAL FORCE AND MANUALLY MOVE ALINA'S MIRROR

Touch Button

ALINA only has one button. To operate, gently apply light pressure with two fingers (index and middle fingers), to instruct ALINA on what to do.

TYPE	DURATION	OPERATION
Short Press	2 seconds	START Scan
Medium Press	6 seconds	STOP and bring to fold position
Long Press	12 seconds	RESET and bring to fold position

ALINA'S Commands

From any of ALINA's positions, a short press will trigger her to start scanning to find the sun.

While she is in the middle of scanning, a medium press will stop the scan and return to the FOLD position.

While she is in the middle of scanning, a long press will stop the scan, reset and return to the FOLD position.

While she is in the SLEEP and HOME positions, no action is required to trigger her to start scanning. When she senses the direct light hitting her (specifically the Sunlight Pointer and mirror), she will autonomously wake up and scan (this may take several minutes).

When the battery is running low, she will automatically stop all operations and return to the FOLD position.

Sunlight Pointer

This shows the direction the reflected sunlight points to. Just imagine a straight line that starts from the center of the mirror and goes straight through the Sunlight Pointer. This is her straight "line of sight", and ALINA will point the reflected sunlight in this direction.

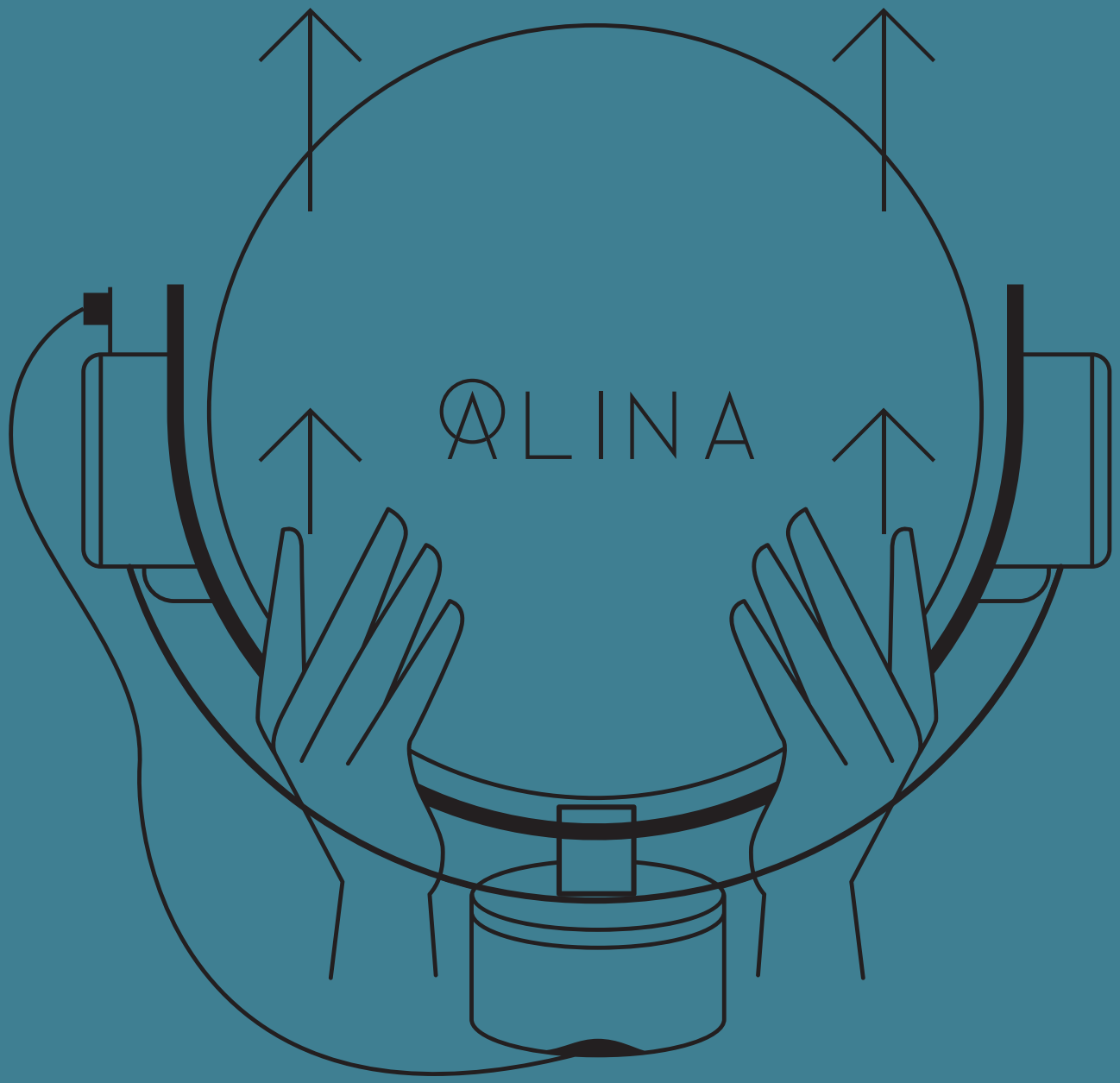
The Sunlight Pointer is also the camera sensor that ALINA uses to find and track the sun. There is an in-built infrared sensor that allows her to detect the sunshine when she is in the SLEEP and HOME positions, and automatically wake up.

Adjustable Arm

Raise or lower the direction of the reflected sunlight by simply loosening the dial on the side of the base and sliding the adjustable arc (the one with the Sunlight Pointer) up and down, through the base.

Be careful not to let your hand lose grip while sliding, as you could hit and damage the Sunlight Pointer. After fixing the adjustable arm into the desired position, please remember to tighten the dial on the base and fix the adjustable arm into place.

QUICK START GUIDE



STEP 1 | Removing **ALINA** from the box

Once you carefully open the box, gently lift ALINA placing both hands on the top arc to lift her up; then fit her onto the add-on base.

NEVER MOVE/SWIVEL THE MIRROR OR ITS ROUND CASING BY HAND!

STEP 2 | Charging **ALINA**

Place ALINA under direct sunlight, with the solar panel facing the sun, for at least one day.

STEP 3 | Pointing & Turning **ALINA** On

Gently place ALINA in your chosen spot. ALINA's mirror and Sunlight Pointer must be under direct sunlight and with a direct line of access to the spot where you want to reflect the light to. Use the Sunlight Pointer to set the direction of the reflected light.

You can adjust the height of the reflected beam by sliding the lower arch up and down, through the base.

To switch her on, using two fingers, apply light pressure on the touch button for 2 seconds. She will immediately start scanning (the scan may take up to a few minutes).

ALINA will find her best position and autonomously make micro-adjustments throughout the day. As long as she's under direct sunlight, ALINA will keep pointing in the same direction.

None of this is happening? Check out our ***troubleshooting guide below.***

Manufacturer's Warranty

The contract manufacturer warrants that, for a period of one year from the date of manufacture of the Product, the Product will be free from defects in workmanship.

Products shall be considered free from defects in workmanship if they are manufactured in accordance with the latest version of IPC-A-600 or IPC-A-610 and successfully complete any mutually agreed product acceptance test.

The contract manufacturer shall, at its option and at its expense, repair, replace or issue a credit for Product found defective during the warranty period. In addition, the contract manufacturer will pass on to Solenica all Vendor's (and manufacturers') Component warranties to the extent that they are transferable, but will not independently warrant any Components.

All warranty obligations will cease upon the earlier of the expiration of the warranty period set forth above or the return of any defective Product.

ALL CLAIMS FOR BREACH OF WARRANTY MUST BE RECEIVED BY THE CONTRACT MANUFACTURER NO LATER THAN THIRTY (30) DAYS AFTER THE EXPIRATION OF THE WARRANTY PERIOD.

Solenica, Inc. warrants that, for a period of one year from the date of manufacture of the Product, the Product will be free from defects in workmanship. Solenica, Inc. shall, at its option and at its expense, repair, replace or issue a credit for Product found defective during the warranty period.

All warranty obligations will cease upon the earlier of the expiration of the warranty period set forth above or the return of any defective Product. ALL CLAIMS FOR BREACH OF WARRANTY MUST BE RECEIVED NO LATER THAN THIRTY (30) DAYS AFTER THE EXPIRATION OF THE WARRANTY PERIOD.

Solenica, Inc. shall concur in advance on all Product to be returned for repair or rework. All returns shall state the specific reason for such return. Solenica, Inc. shall pay all transportation costs for valid returns of the Products and for the shipment of the repaired or replacement Products to the customer; The customer shall pay these charges, plus a handling charge, for invalid or "no defect found" returns. Any repaired or replaced Product shall be warranted as set forth in this Article for a period equal to the greater of (i) the balance of the applicable warranty period relating to such Product or (ii) sixty (60) days after it is received by the customer.

This warranty does not include Products that have defects or failures resulting from (a) accident, disaster, neglect, abuse, misuse, improper handling, storage or installation including improper handling not in accordance with static sensitive electronic device handling requirements by the customer; (b) alterations, modifications or repairs by the customer or third parties.

The contract manufacturer agrees to service and repair all devices that are finalized by the contract manufacturer under this agreement whether manufactured by the contract manufacturer or another contract manufacturer.

RETURN POLICY

Alina goes through comprehensive testing before being shipped, and we've designed the packaging to protect her until she gets to your home. However, we understand that things can happen.

We offer a 20 day return window!

If ALINA arrives damaged or not functioning properly

Physical damage

If there is any clearly visible physical damage to ALINA, we will replace her or issue a refund.

Physical damage refers to the mirror being cracked, or the Sunlight Pointer (i.e. the camera) being damaged, or any scratches/dents that are clearly visible to the naked eye from a distance of 4 feet (1.2 meters)

Functional damage

If ALINA does not work as designed, we will replace her or issue a refund.

When fully charged up (one full day under direct sunlight) and turned on, ALINA will immediately start a full scan.

If she goes through a full scan, then she is fully operational!

You'll just need to place her in an appropriate location, under direct sunlight. If any firmware issues prevent her from doing a full scan after being turned on, then please get in touch with us!

Make sure to charge ALINA as soon as you receive her

So that you can test her out and reach out to us within the 20 day return window

HOW TO REACH OUT

Please direct your inquiry to **information@solenica.com**, including your order number and ALINA's serial number in the subject line, and describing the problem in the body of the email. Please also attach pictures (or a video if possible).

HOW TO GET THE MOST FROM ALINA

Where to place ALINA

ALINA can be placed both indoors and outdoors.

What is crucially important is that she must be under direct sunlight to work.

Just imagine two straight lines. The first imaginary straight line going from the sun to ALINA. The second imaginary straight line going from the middle of the mirror, through the Sunlight Pointer, in the direction where you have pointed ALINA.

Is there anything in the way of these two lines? A tree? A building? A piece of furniture? Etc.

If your answer is “no”, then you have found a perfect spot for ALINA!

If your answer is “yes”, then it’s likely that spot will not work for ALINA.

If your answer is “sometimes”, then consider that ALINA will work appropriately only when those two imaginary straight lines do not have any obstacles in the way. If, for example, a tree is in the way of the imaginary straight line from the sun to ALINA, then she will stop tracking while the sun is behind the tree.

Once the sun comes out from behind the tree, give ALINA a couple of minutes and she will start tracking the sun again, all by herself!

Where to point ALINA

The brightness effect is not created by the reflected beam of sunlight itself, rather it’s created by:

1. The surface that is hit by the reflected beam of sunlight

Color and material make the difference. White will reflect light. Black will absorb light. A white plastered wall or ceiling will maximize the brightness effect. A wooden wall or ceiling will absorb light and produce a negligible difference in brightness.

2. The size of the room

The smaller the room, the less space the reflected sunlight will need to “fill”, therefore the brighter the effect.

3. The spot that the reflected sunlight hits

We have found that the ideal spot to point ALINA is the ceiling or the corner where the ceiling and walls join. Pointing ALINA high will diffuse light top-to-bottom, maximizing the brightness effect.

4. The distance between ALINA and the spot where the sunlight is reflected to

Sunlight can travel far. However, the shorter the distance between ALINA and the spot you point her towards, the greater the brightness effect.

5. The brightness of the sun

Seasons, as well as very thin low-level clouds, will affect the brightness of the sun. The brighter the sun, the greater the brightness effect in your chosen room.

ALINA'S LANGUAGE

The sound of brightness!

Important Sounds – Your Action Needed

To play the audio files you need to download the manual on your desktop/laptop. When you click on the first sound, the pdf viewer will prompt you to trust the document. Then you'll be able to play all the sounds.

Battery Low: If you hear this sound, the battery charge is still too low for CAIA to work. Keep her under the sun for a full day, with the solar panel facing the sun.

Sun Not Found: If you hear this sound, CAIA couldn't find the sun. Make sure she is fully under direct sunlight and try again.

Internal Fault 1: If you hear this sound, she encountered some problems. Reset her with a long press (12 seconds), then try with a short press again. Make sure there are no obstacles that are impeding her from moving freely.

Internal Fault 2: If you hear this sound, there may be an internal fault with CAIA. Reset her with a long press (12 seconds), then try with a short press again. If this problem persists, please contact us at **information@solenica.com.**

Background/Operational Sounds – Your Action Not Needed

Ready: CAIA is ready for action! She is ready or about to perform an action.

Starting Scan: CAIA is about to start to scan. Just sit back and let her do her thing!

Going To Fold: CAIA is about to move into Fold position. From this position, she can be packed in her box.

Going to Home: CAIA is about to move into Home position.

Confirm Long Press: CAIA has acknowledged the long press and will reset and move into Fold position.

Weather Conditions

While we have tested ALINA for resistance to water, always keep in mind that she is still quite fragile. On particularly windy days, the wind may cause her to topple over and, in falling, she could get damaged (cracked mirror, broken Sunlight Pointer, etc.).

Similarly, if she is hit by solid objects, such as hail or flying debris, this may also cause damage.

So, on those days where the weather is particularly windy or with strong rain, do take extra care and ideally move her indoors to protect her.

Surrounding Environment

Similarly to weather conditions, sometimes the home environment can also experience some turbulence.

Particularly if you have pets or small children, ALINA may be knocked over accidentally and in falling, she could get damaged (cracked mirror, broken Sunlight Pointer, etc.).

Cleaning

Since ALINA will be exposed to the natural elements, whether she's sitting inside or outside your home, she will collect some dust at the very least.

We recommend to at least routinely remove the dust with any common household duster.

If you have her outdoors, depending on your specific location's seasonal atmospheric conditions, some climactic events can bring other, "heavier" elements.

For example, it's common for some rains in southern Europe to carry a lot of sand from Africa. For a deeper clean, we recommend using any lightly dampened cloth to gently remove any dirt from ALINA's metal and plastic components.

The mirror can be cleaned like any household mirror, by using your preferred glass-cleaning solution and gently applying it with a microfiber cloth on ALINA's mirror.

While cleaning the glass, place the other hand behind the mirror, so as to keep the circular casing for ALINA's mirror steady in place.

Security Lock

To secure your ALINA with the security lock, remove ALINA from the add-on base while she is in FOLD position and lay her on a flat surface.

At the bottom of ALINA you will see a metal plate with a large pin sticking out. On that metal plate you will also see a little hole for the security lock.

Once you've fixed the security lock to the base of ALINA, you can put her back on the base.

We recommend to routinely clean ALINA

Just add her to your house cleaning routine and get in the habit of wiping her down regularly

TROUBLESHOOTING

As soon as you receive your ALINA, make sure to charge her by keeping the solar panels facing the sun for a full day.

Confirm that your ALINA is working

With a full battery charge, she will be able to do a full scan.

Place her on a flat surface and make sure there aren't any obstacles that could impede her from moving freely as she swivels and turns by herself.

For this test, ALINA doesn't necessarily need to be under direct sunlight. She can be anywhere; the objective is to see whether she will do a full scan or not.

Then apply light pressure with two fingers on the touch button for two seconds. At this point she will emit a sound and, if everything is working correctly, she will start scanning (the full scan lasts a few minutes).

If she doesn't start scanning, please refer to the "ALINA's Sounds" on page 13.

If after several days under the sun, her battery is still too low, then please get in touch with us at **information@solenica.com.**

If you hear the "internal fault" sound, perform a reset by applying light pressure with two fingers on the button for 12 seconds. Then try to have her start a new scan by applying light pressure with two fingers on the button for 2 seconds.

If she still won't scan, or this problem persists, please contact us at **information@solenica.com.**

Should you need to reach out to us, please make sure to include your ALINA's serial number in the subject of the email.

Use the body of the email to explain the issue you're having. If you could also send us a video of the issue, it will make it much easier for us to help you!

SAFETY NOTICE & GUIDELINES



- **Keep the device away from use and reach of children.**
- **The product might reflect sunlight unintentionally. Do not look directly into the reflection of the sunlight as it may cause irritation or damage to eyes. Use of damaged product is highly prohibited as it can cause harm.**
- **The product contains glass. In the event of damage such as cracks, chipped glass, do not continue to use the product, and contact customer service for assistance.**
- **Do not pressure wash the device as this will void the warranty.**
- **Do not open, disassemble or replace any components of the device, as this will void the warranty. In the event of malfunction contact customer service for assistance.**
- **For using the device outdoors, the guidelines provided in the user manual shall be followed. In the event of doubt, contact the customer service for support.**
- **Ensure there are no loosely hanging objects next to the rotating mechanism, since the device does not have obstruction detection functionality, therefore it will not stop moving if any external object gets stuck in the swivel and rotating mechanism. The manufacturer will not be responsible for any damage caused due to obstruction.**

REGULATORY INFORMATION SHEET

For consumers in EU

Simplified declaration of conformity

This device bearing the CE mark is compliant according to the following EU directives: Low voltage directive 2014/35/EU, Electromagnetic compatibility directive 2014/30/EU, RoHS directive 2011/65/EU.

The relevant European harmonized standards have been implemented for this product to comply with the applicable requirements of the European directives.

CE

EU batteries Directive 2013/56/EU

The EU batteries directive which serves as the amendment to the directive 2006/66/EC applies to all types of batteries, accumulators, including portable batteries that are placed on the market. The battery intended for the lifetime of the product is not possible for removal. For disposal or recycling, local recycling center shall be contacted.

If the replacement of battery becomes essential due to extenuating circumstances, contact the customer service for support and assistance.

WEEE Notice

The directive of waste electrical and electronic equipment (WEEE) serves for the purpose of promoting the recycling, reuse and other forms of recovery of such wastes in order to reduce the amount of disposal and electronic waste.

The WEEE logo on the product or on its packaging indicates the collection of electrical and electronic equipment and bears the crossed-out wheel bin as shown in the figure below.



RoHS

The device is compliant according to the provisions of RoHS directive 2011/65/EU on the restriction of the use of hazardous substances in the electrical and electronic equipment.

For consumers in UK

Simplified UKCA regulatory Notice

This device bearing the UKCA mark is compliant according to the following UK regulations:

Electrical equipment safety regulations 2016, Electromagnetic compatibility regulations 2016, The restriction of the use of certain Hazardous substances in Electrical and Electronic equipment Regulations 2012.

The product has been assessed under the applicable harmonized UK regulations and are compliant under the guidelines of the applicable UK regulations.

UK CA

UKCA Batteries and accumulators Regulations 2009:

The UK batteries and accumulators' regulations 2008 applies to all types of batteries and accumulators, including portable batteries that are placed on the market.

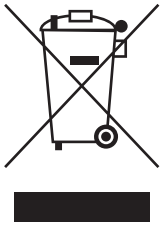
The regulation in place is intended to help protect the environment by making it compulsory to collect/ take back and recycle batteries and accumulators and prevent batteries and accumulators from being incinerated and/or dumped in landfill sites.

The battery intended for the lifetime of the product is not possible for removal. For disposal or recycling, local recycling center shall be contacted. If the replacement of battery becomes essential due to extenuating circumstances, contact the customer service for support and assistance.

Waste Electrical and Electronic Equipment Regulations 2013

The directive of waste electrical and electronic equipment (WEEE) serves for the purpose of promoting the recycling, reuse and other forms of recovery of such wastes in order to reduce the amount of disposal and electronic waste.

The WEEE logo on the product or on its packaging indicates the collection of electrical and electronic equipment and bears the crossed-out wheel bin as shown in the figure below.



Regulations on restriction of hazardous substances

The device is in compliance with the restriction of the use of certain hazardous substances in electrical and electronic equipment regulation 2012.

For consumers in US

The United States Federal Communications Commission (CFR Title 47) Part 15 has specified the following notice and shall be informed to the users of this product.

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generated, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

For consumers in Canada

This device complies with the Innovation, Science and Economic Development Canada's license-exempt RSS standard(s).

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.

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