

A photograph of a poolside area. In the foreground, a large red patio umbrella stands over a lounge chair with a grey cushion and a rolled-up orange towel. Another similar umbrella is visible in the background. The pool is on the left, and a building with a thatched roof is on the right. The scene is set during the day with soft lighting.

# Height Series Smart Market Umbrella

User Manual

Patent Pending



# Safety Information

**Please read and understand this entire manual before attempting to assemble, operate or install the product.**

- Keep away from open flames or heat.
- Avoid allowing metal or foreign objects (such as dust) into the device's USB charging port or any other slot. If a metal object or other foreign object enters the port, remove the debris before using the USB port.
- Only authorized service workers can perform service operations on the device. Do not attempt to disassemble or repair the equipment yourself. Failure to do so may result in equipment damage or personal injury.
- DO NOT strike, throw, step on, apply excessive pressure, or subject the device to severe physical shock.
- DO NOT disassemble the device as this may puncture the battery and cause personal injury or damage to the device.
- This product (including accessories) has magnets. Swallowing the magnet could cause serious injuries such as choking or intestinal damage. If a magnet is accidentally swallowed, seek immediate medical attention. Keep this product out of the reach of children and other people who need to be watched to avoid accidental ingestion.
- You may use the equipment in certain humid or dusty environments but be aware of its IP rating limits, and regular use limits should be met when in use. Conditions that exceed the IP rating limits include excessive humidity, hurricane winds, and dusty environments.
- DO NOT expose it to extreme temperatures. Do not use the equipment in temperatures below 32°F or above +113°F.
- DO NOT remove the LED light cover when in use. It may harm your vision.
- When charging your device with a USB cable, make sure it is not stepped on or tripped over. It may be damaged or severely strained.
- DO NOT attempt to replace the battery yourself; you may risk damaging it, which could lead to overheating, explosion, fire, property damage, or personal injury. Batteries in your device must be repaired and recycled by an Above authorized service partner.
- Please charge the battery at least once every three months. A long period of not charging will reduce battery life.

# FCC Compliance

## FCC Statement

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help. To ensure continued compliance, any changes or modifications not expressly approved by any party.

Responsible for compliance could void the user's authority to operate the equipment.

(Example - use only shielded interface cables when connecting to computer or peripheral devices.)

This equipment complies with Part 15 of FCC Rules. Operation is subject to the following 2 conditions:

This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

## FCC Radiation Exposure Statement

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distances of 20cm between the radiator and your body.

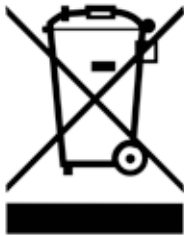
# Choking Hazard Warning

**⚠ WARNING** : This product contains a Button or Coin Cell Battery. A swallowed Button or Coin Cell Battery can cause internal chemical burns in as little as two hours and lead to death. Dispose of used batteries immediately. Keep new and used batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

# Battery Recycling Warning



Do NOT throw away the battery in a fire



DO NOT throw away the battery into a household garbage or recycling bins.



Lithium-ion (Li-ion) batteries are used in this product. To recycle it, please contact your local waste authority for information on available recycling and/or disposal options.

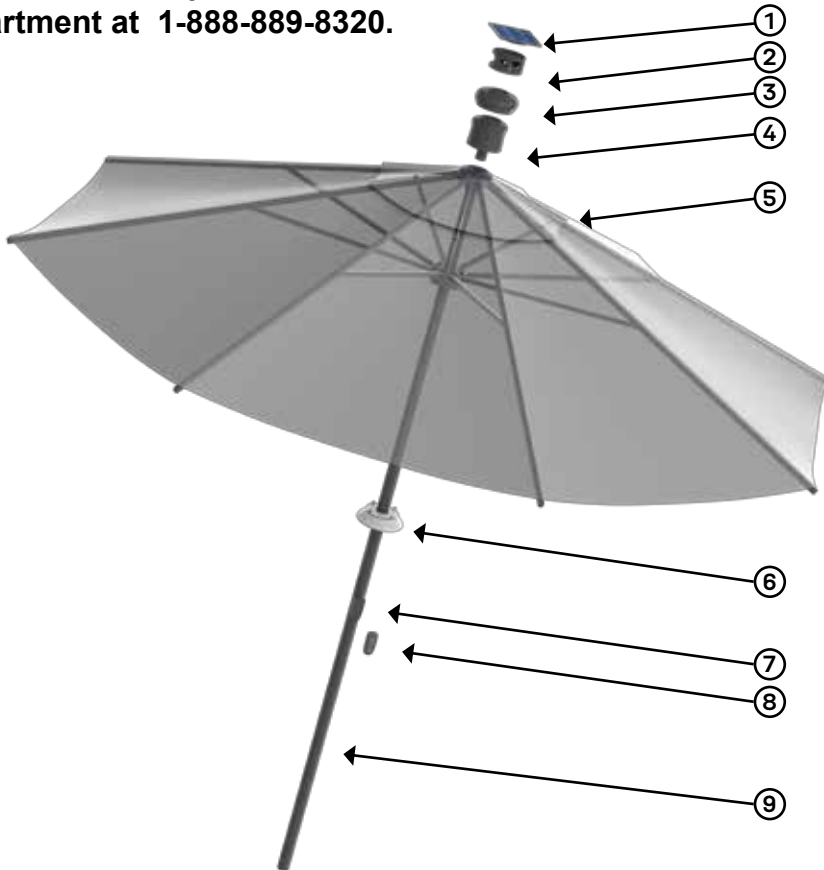
**Li-ion**

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# 1. What's in the Box






Before beginning to assemble this product, make sure all parts are present. If any parts are missing or damaged, do not attempt to assemble this product. Please contact our customer service department at 1-888-889-8320.

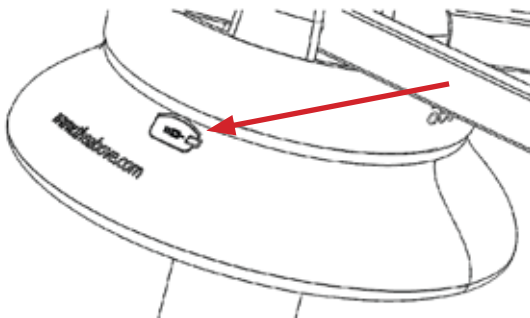
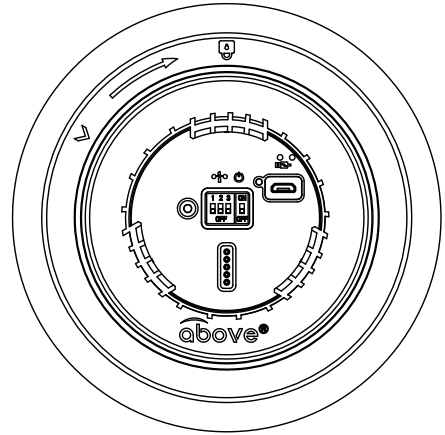


Part	Description
1	Solar Panel
2	Wind Sensor
3	Control Board/ Battery
4	Motor
5	Upper Frame with Canopy
6	LED Light/ USB Port
7	Adjustable Remote Controller Holder
8	Remote Control (Battery Included)
9	Bottom Pole

# 2. Symbol Indicators

## Control Board

Symbol	Description
	Turn on/off the power
	Wind Speed Settings
	Micro USB Charging Port
	Unlocked Position
	Locked



## LED Light

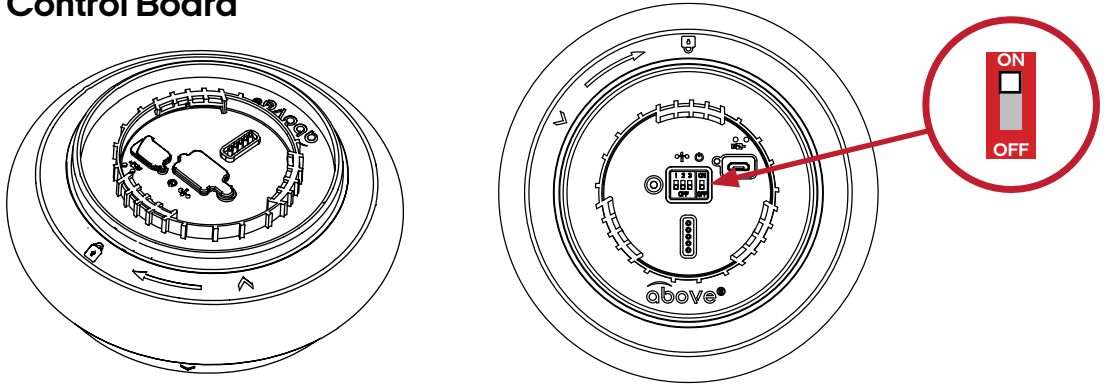
Symbol	Description
	Micro USB Charging Port



# 3. Assembly

## 3.1 Turn on the Power on the Control Board

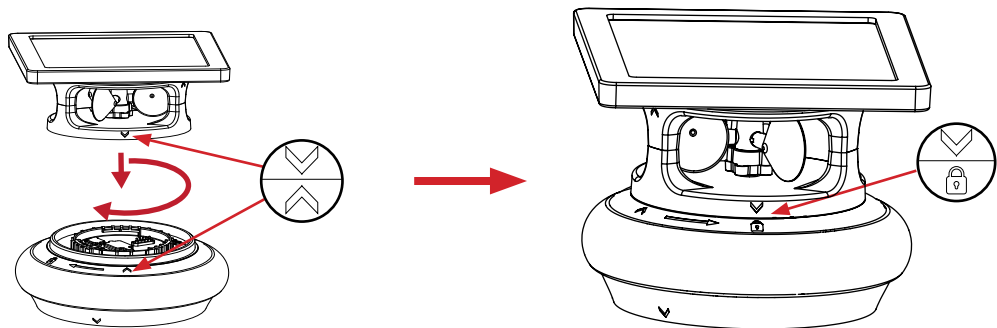
### Control Board







\*Control board should come pre-attached to the motor (top part of umbrella)

1. Locate the control board.
2. Pull off the silicone cover in the center of the top of the Control Board.  
Turn the power switch on the right side in the red box from off to on.
3. Push the silicone plug back into place.

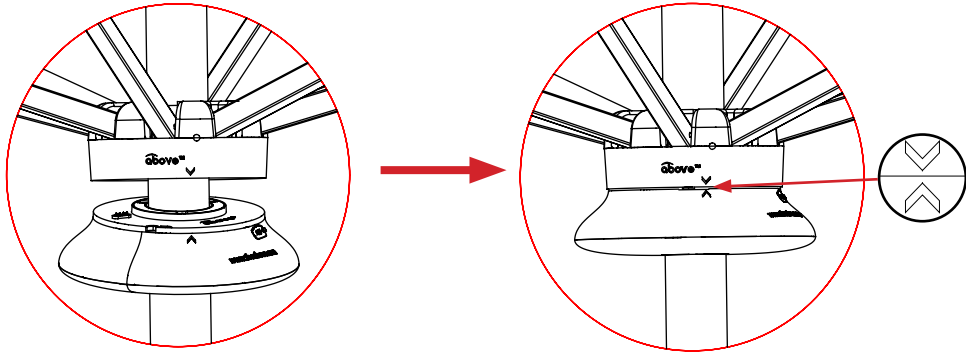
## 3.2 Connect the Wind Sensor to the Control Board







1. Align the “” on the lower side of the “**Wind Sensor**” with the “” on the upper side of the “**Control Board**”. Turn the wind sensor clockwise until the “” on the win sensor aligns with “” on the control board.

# 3. Assembly

## 3.3 Installing the LED Light



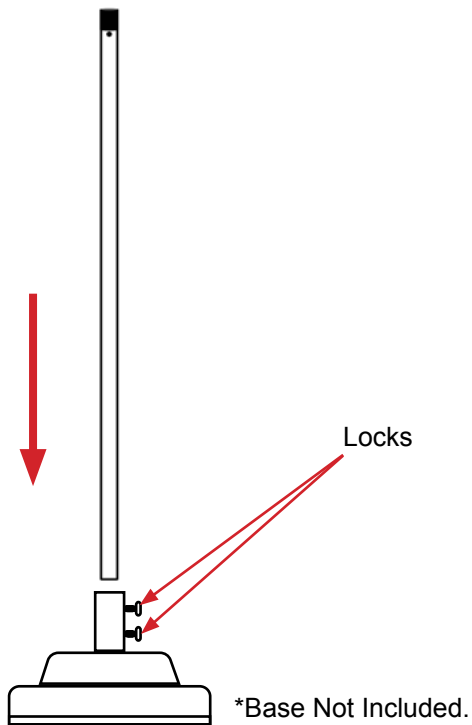
1. Insert the LED Light through the pole with the umbrella. Align “” on the lower side, the runner hub with “” on the upper side of the LED Light. After aligning the arrows, push them together and they will magnetically snap into place.  
(NOTE: “” and “” must be aligned, otherwise the umbrella may not function properly)

# 3. Assembly

## 3.4 Attach The Pole to A Base

- Put the bottom pole in to the base.
- Screw and lock the bottom pole to the base. (Umbrella bases may vary.)

\*Please make sure to set the base on a flat surface



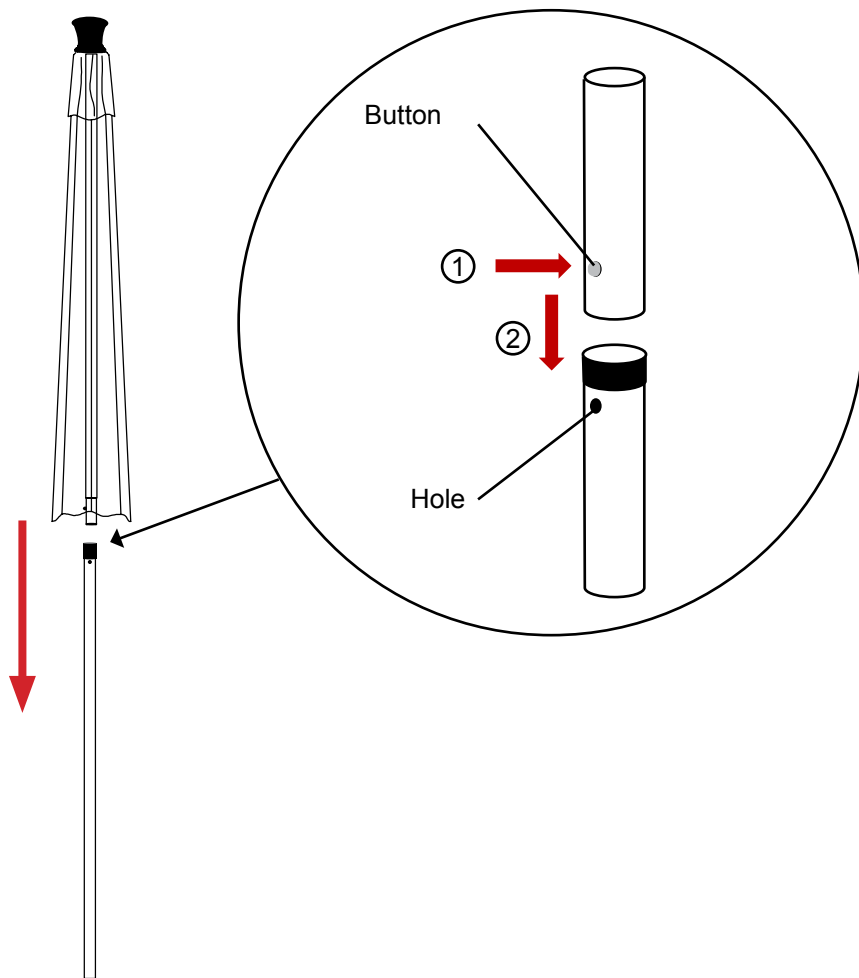
## 3.5 Recommend Base Weight for Above Umbrellas

Umbrella Size	Base Weight
9ft/10ft	90 LBS
11ft	120 LBS

**TIP :** A heavier weight is better for keeping an umbrella steady in windy conditions.

# 3. Assembly

## 3.6 Assemble Upper Pole to Bottom Pole

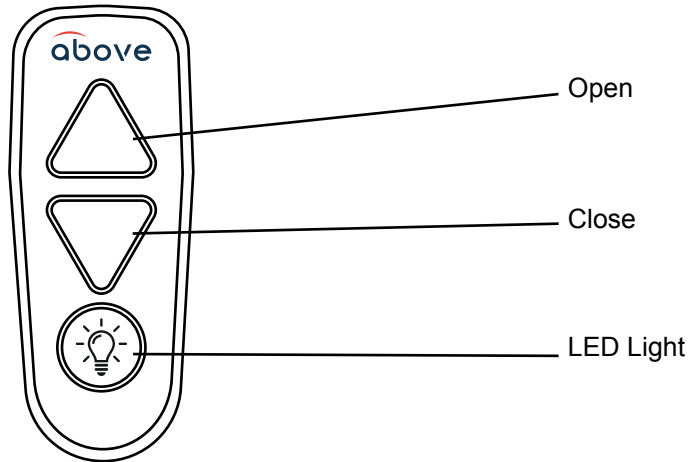


1. Press and hold the button located at the end of upper pole.
2. Insert the upper pole to the bottom pole until the button clips into the hole.

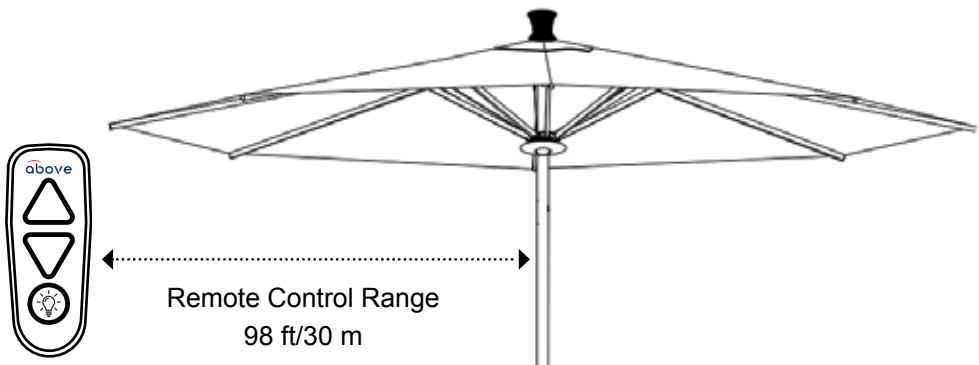
# 4. Remote Control

## 4.1 How to Use Remote Control

The remote control by default should already be paired with your Height umbrella. If you need to re-pair or pair to multiple umbrellas, refer to steps 4.2 and 4.3.

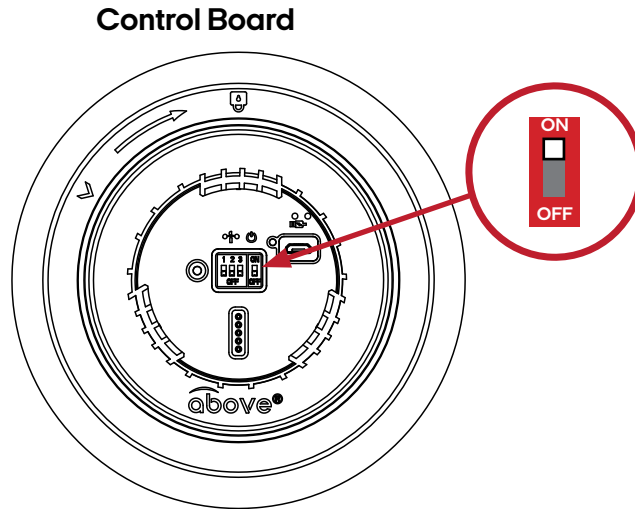


- Press the "Open" button to open the umbrella
- Press the "Close" button to close the umbrella
- Press the "LED Light" button to turn on the LED light



# 4. Remote Control

## 4.2 Pairing Your Remote



1. Pull out the silicone plug in the center of the top of the Control Board.  
Turn the power switch to on.  
*NOTE :if the switch is already turned on, please turn it off and then back on.  
The umbrella will be in pairing mode for 30 seconds after turning the switch to on.*
2. Press and hold the UP button "▲" on the remote control until the control board beeps.  
This will indicate that the remote has successfully paired with the control board.
3. Gently press the silicone cover back into place.

## 4.3 Pairing Your Remote Control to Multiple Umbrellas

To pair multiple umbrellas, you will need to pair each one individually with a remote and turn off the power after each pairing. When all have been paired you can turn all the umbrellas on.

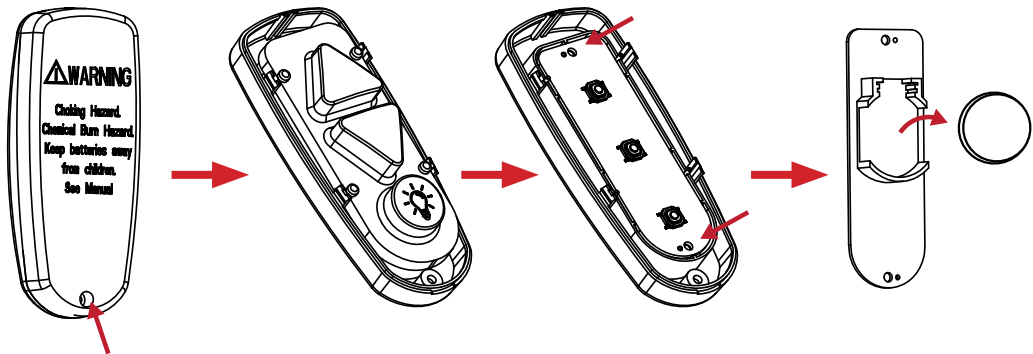
One remote control can pair with multiple umbrellas, but each umbrella can only pair with one remote control. If you pair a new remote control with an umbrella, the previous remote will automatically unpair.

# 4. Remote Control

1. Select a remote that you would like to pair all the umbrellas with.
2. Pull off the silicone cover in the center on the top of each Control Board. Turn the power switches to on. (If the switches are already turned on, please turn it off and then back on. The control board will be in pairing mode for 30 seconds after turning the switch from off to on.)
3. Press and hold the Open button "▲" on the remote control until the control boards beep.
4. This will indicate that the remote has successfully paired with the control boards.
5. Turn off the power before pairing the next umbrella.
6. After pairing all the umbrellas, turn the power for all umbrellas to on and gently press the silicon covers back into place.

## 4.4 Replacing Remote Battery

**A CR2032 3 Volt Lithium Coin Cell Battery x 1**  
( Included in the remote )

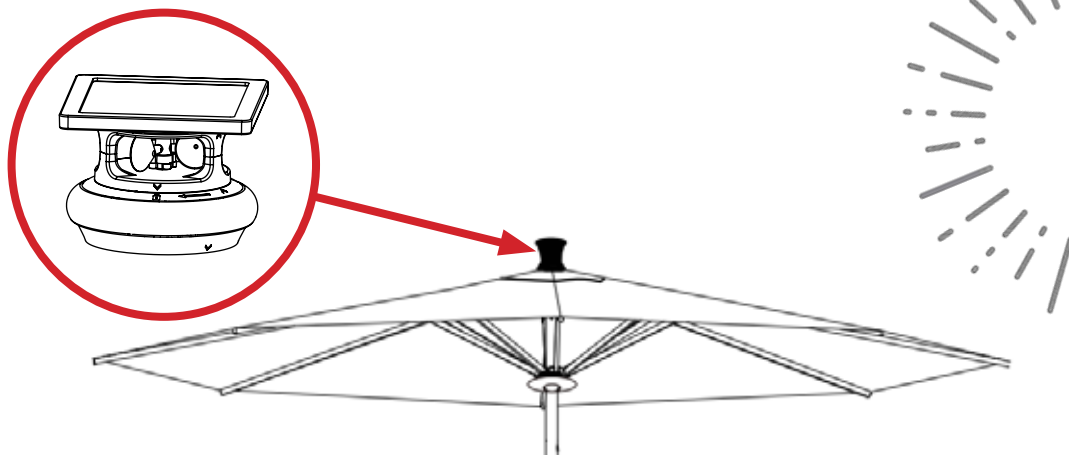


1. Unscrew the back cover of the remote control.
2. Remove the silicone button cover.
3. Unscrew the screws from the board and remove it from the cover.
4. Remove battery.  
(**TIP** : Lift the gold clip holding the battery before removing.)
5. Replace with a new battery, make sure the plus sign (+) is facing up.
6. Put the screws and covers back in place.

# 5. How to Charge the Umbrella

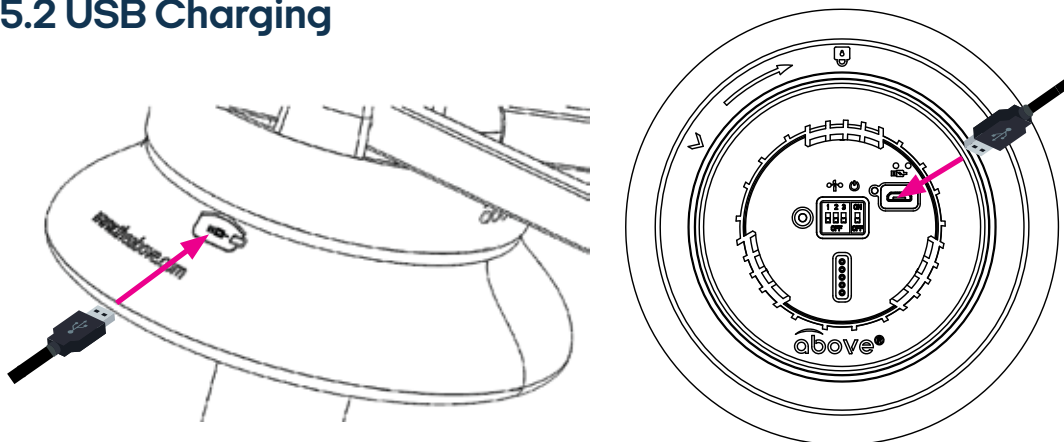
The Height series umbrella has two charging options available: solar or the USB charging ports.

## 5.1 Solar Charging



1. With the solar panel and control board installed, put the umbrella in direct sunlight. It takes about 12 hours to fully charge depending on the sunlight intensity.  
*NOTE: the solar panel and control board must both be fully connected as the solar panel will charge the battery in the control board.*

## 5.2 USB Charging



1. Charge using the micro-USB charging port on the LED light or control board and connect the other end to a power outlet. It may take up to 4 hours to fully charge.



# 5. How to Charge the Umbrella

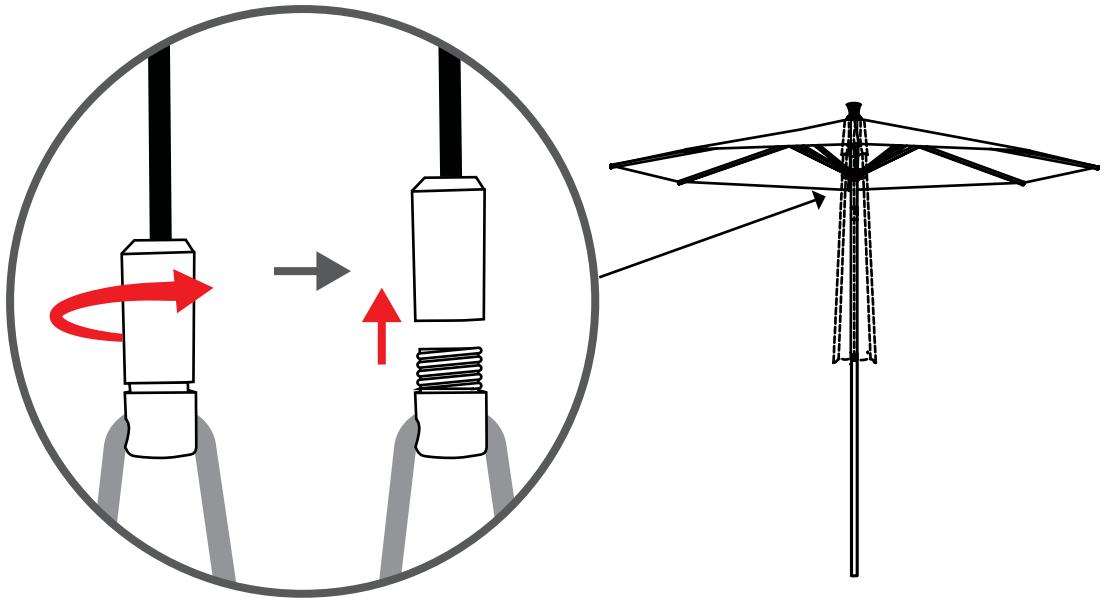
## 5.3 Low Battery Alert:

When the battery level is less than 15%, the control board will beep 4 times twice every 30 minutes, and the LED will no longer be available. When this occurs, charge the control board using the solar panel or via the micro-USB charging ports on the control board or LED Light.

# 6. Emergency Release Latch

When the umbrella cannot be closed due to a dead battery or for any other reason, you can use the emergency release latch to close the umbrella.

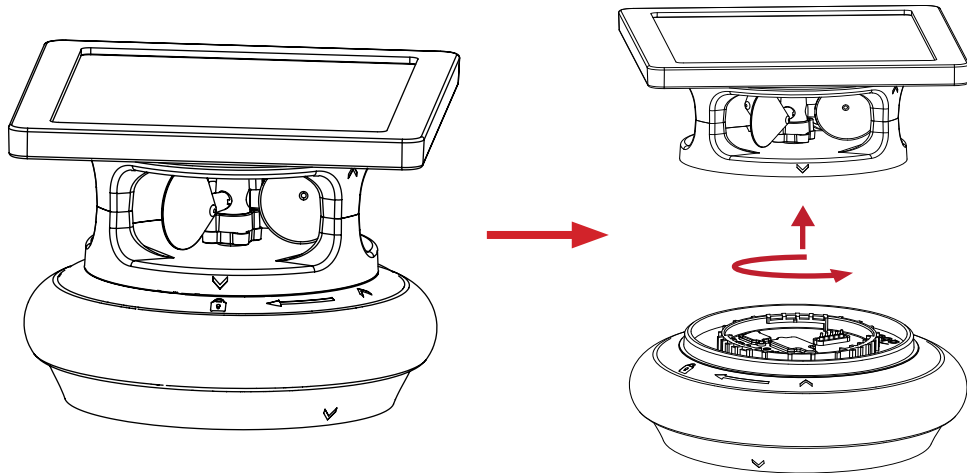
However, you must attach the latch back on to open the umbrella.





1. Close the umbrella by turning the latch counterclockwise.

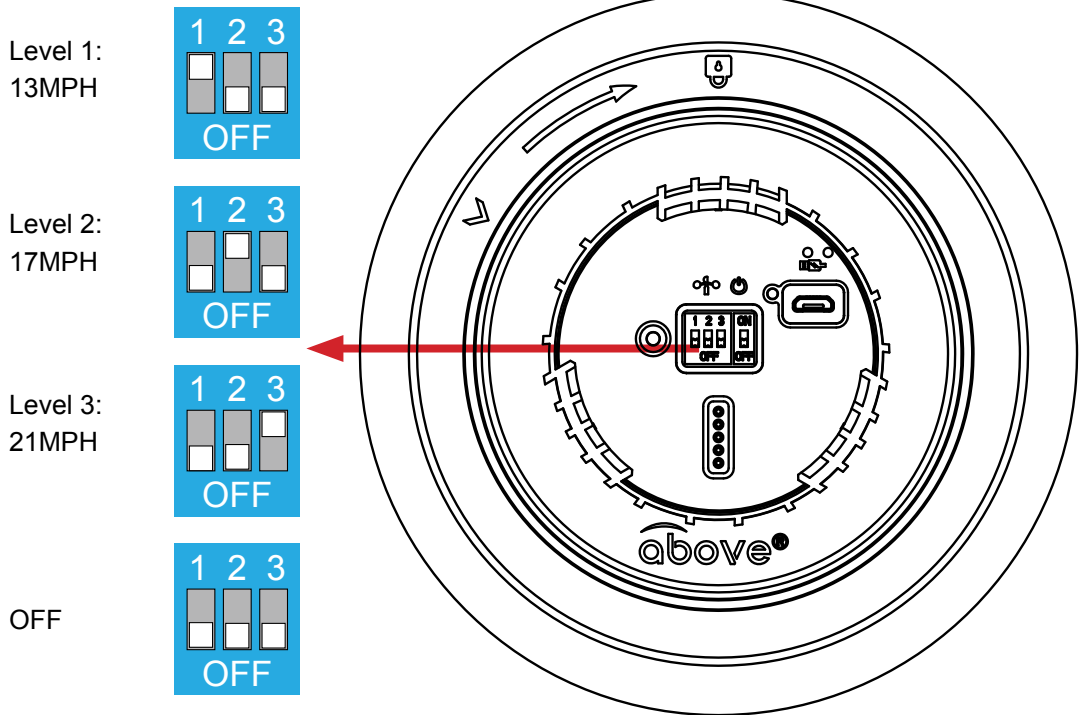
# 7. Setting Wind Sensor Sensitivity


It is not recommended to change the wind sensor settings unless necessary. Changing this setting will cause the umbrella to close when the wind sensor detects that wind speed.



1. Rotate the wind sensor 60° counterclockwise to align the “” on the lower side of the wind sensor with the “” on the upper side of the control board. Remove the wind sensor from the control board.

# 7. Setting Wind Sensor Sensitivity



2. Remove the silicon cover at the top of the control board and switch the power to off. Look for the  symbol at the top of the control board. The switches below will indicate the level the wind sensitivity is on. 1 = 13MPH (default), 2 = 17MPH, 3= 21MPH. Follow the diagram above to adjust to your preferred wind sensitivity. When the wind reaches the wind speed you've set, the umbrella will automatically close. Once finished put the silicon cover back on.

# 8. Care and Maintenance

## 8.1 Cleaning Your Umbrella

Sunbrella® fabrics are exceptionally easy to clean. We recommend spot cleaning the fabric with a mild soap and solution, then rinse thoroughly and air dry.

## 8.2 Storing Your Umbrella

During extreme temperature and weather, it is recommended to bring your umbrella indoors. This will prevent damages to your umbrella as well as preserve the battery life of the control board.




To store the umbrella, first close the umbrella and keep it in a cool and dry location indoors. This will typically be in your garage or a storage compartment.

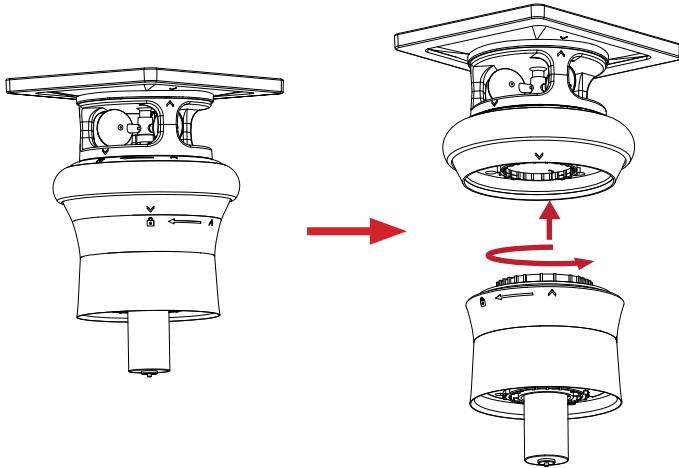
**IMPORTANT:** It is recommended to remove the control board from the top of the umbrella and keep it in an area at room temperature. This will keep the battery from being exposed to cold and hot temperatures which may affect the battery life of the control board. To remove the control board at the top of the umbrella, turn it counterclockwise from the motor. Remove the control board and turn the power switch to off.




When you want to put your umbrella back outside, it is best to charge the control board before operating your umbrella. You can charge the control board using the micro-USB port at the top of the control board. Charging will take up to 4 hours from an empty to a full charge. Alternatively, you can charge using solar by control board and solar panel back onto the umbrella. The umbrella may take up to 12 hours for a full charge.

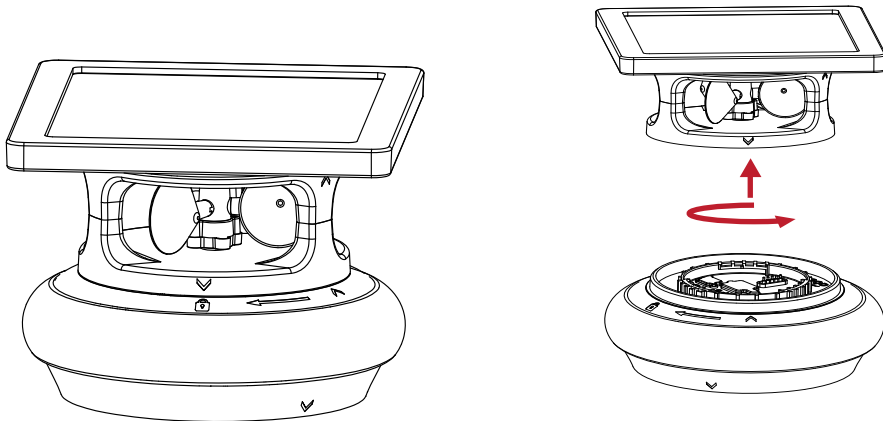
# 8. Care and Maintenance

## 8.3 How to Remove the Control Board

1. Remove the control board by rotating the control board 60° counterclockwise. Align “” on the lower side of the control board from “” → “” on the upper side of the motor. Remove the control board from the motor.







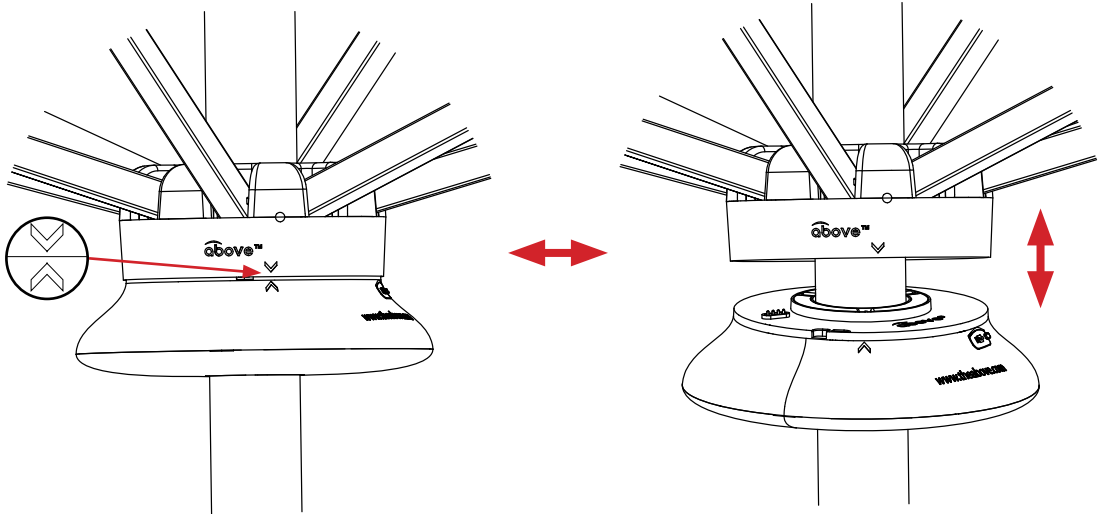
2. Remove the wind sensor by rotating the wind sensor 60° counterclockwise. Align the “” on the lower side of the wind sensor “” → “” on the upper side of the control board. Remove the wind sensor from the control board. Remove the silicon cover at the top of the control board and switch the power to off.



# 8. Care and Maintenance

## 8.4 How to Remove or Attach The LED Light

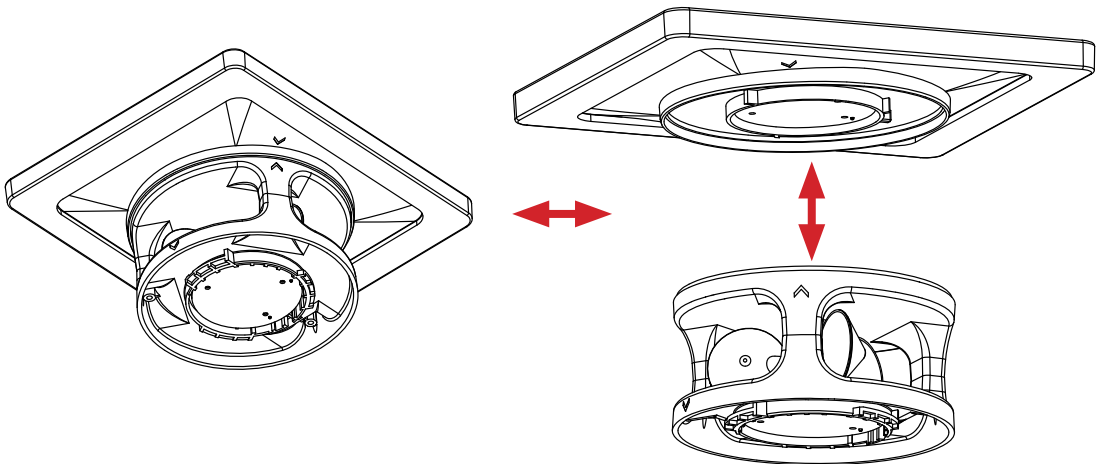
- **To remove the LED light**, gently pull the LED fixture away from the bottom hub. Slide it away to keep it from reattaching.
- **To attach the LED light**, insert the LED Light through the pole with the umbrella. Align “” on the lower side, the runner hub with “” on the upper side of the LED Light. After aligning the arrows, push them together and they will magnetically snap into place.  
**NOTE:** “” and “” must be aligned, otherwise the LED may not function properly)



# 8. Care and Maintenance

## 8.5 How to Detach the Solar Panel

- To detach the Solar Panel, gently pull it away from the magnetic surface it is attached.
- To attach the Solar Panel, align “∨” on the lower side of the solar panel with “∧” on the upper side of the wind sensor. After aligning the arrows, push them together to magnetically snap them into place.  
(NOTE: “∨” and “∧” must be aligned, otherwise the solar panel may not function properly.)



# 9. FAQ

## How do I open and close the umbrella?

You can open and close the umbrella using the remote control on the remote. Pressing the “▲” button will open the umbrella. Pressing the “▼” will close the umbrella.

## I pressed the “▼” button on the remote but it won't close. What do I do?

There is an emergency release latch attaching the lower hub to the upper hub. You can manually close the umbrella by turning the latch counterclockwise.

## How do I turn on the LED light?

You can turn on the LED light using the light button on the remote control.

## My umbrella will not open or close. What should I do?

If your umbrella has trouble opening, please check the following

1. Leave the umbrella out for at least a few hours during the daytime to recharge the battery in the sun. You may also charge it using the micro-USB power slot located on the LED light fixture to charge the battery for faster charging.
2. Make sure the remote control has power. If it does not have any power, you will need to replace the battery in the remote control with a CR2032 battery.

## Can I wash my umbrella?

If you would like to wash your umbrella canvas, we recommend spot cleaning with water or with a mild soap solution and rinse.

## Should I close my umbrella when there are high winds?

It is strongly suggested to close your umbrella if there are high winds to avoid damages to your umbrella. If you have a wind sensor installed on your umbrella, this will detect high winds and automatically close the umbrella, so you don't have to worry about going outside to close it.



# 10. Warranty

## ONE YEAR LIMITED WARRANTY

Subject to the terms, conditions and Disclaimers below, Reflection International Inc. (the “Company”) hereby warrants to the original retail purchaser of this product that, should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within one year from the date of original purchase, such defect(s) will be repaired or replaced with a reconditioned product (at the Company’s option). This limited warranty is the purchaser’s exclusive remedy for any such defect(s).

To obtain repairs or replacement within the terms of this warranty,

Please visit **[www.theabove.com](http://www.theabove.com)** or

Contact us at **1-888-889-8320**

Open Mon-Fri 8am-5pm Pacific Time

Proof of warranty coverage (i.e. – dated bill of sale) is required

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). The opinion of the Company with respect to this matter shall be final.

THE EXTENT OF THE COMPANY’S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AS PROVIDED ABOVE, AND, IN NO EVENT, SHALL COMPANY’S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER FOR THE PRODUCT. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES OR LIABILITIES. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN A PERIOD OF 12 MONTHS FROM THE DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY EXPRESS OR IMPLIED WHATSOEVER.

# 10. Warranty

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product. Some jurisdictions do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from jurisdiction to jurisdiction.

## **WIND DISCLAIMER**

Above® Umbrellas are tested for endurance and durability, however the Company strongly recommends that no umbrella should be left in the open position when not in use. Although some of our umbrellas have a feature for automatic closure during high winds, the Company suggests that users still monitor their umbrellas and close them during high wind conditions. Doing so will reduce the risk of damage to your umbrella, surrounding objects and properties. Please use a sufficient weighted base to keep your umbrella secure at all times. Read and follow all steps in the instruction manual.

## **RUST DISCLAIMER:**

Rust is a natural part of the aging process of all steel or iron-based materials and therefore is not considered a defect. Above® Umbrellas are designed for minimum maintenance.

## **DISCLAIMER:**

Above® Umbrella warranties DO NOT COVER damage done to the umbrellas due to abuse or misuse of the products. Above® Umbrella warranties DO NOT COVER any damage occurred as a result of contact with the ground or any other foreign objects due to severe weather events or other extreme acts of nature.

## **SUNBRELLA® UPHOLSTERY FABRICS**

Sunbrella® fabric is warranted only by Sunbrella® subject to Sunbrella®'s limited warranty policy. Sunbrella® Upholstery fabrics is covered by Sunbrellas® 5-year limited warranty from normal usage and exposure conditions including sunlight, mildew, and atmospheric chemicals when used for appropriate applications. These fabrics covers should withstand significant color fades and material rot under stable conditions.

Please contact Sunbrella® or visit <https://www.sunbrella.com/warranty> for more details about Sunbrella®'s fabric policy and replacement.

# SCAN To Register



### Warranty & Parts Replacements

# 11. Contact Us

Our representatives are here to help. If you have any questions, please free to contact us below.

**Website:** [www.theabove.com](http://www.theabove.com)

**Phone:** 1-888-889-8320

**Email:** [service@theabove.com](mailto:service@theabove.com)





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