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DENFOON a5e98530-18ae-4b11-a6d1-85f383e2cca4

DENFOON Motorized Blackout Roller Shades with Solar Panel and Remote Control User Manual

Model: a5e98530-18ae-4b11-a6d1-85f383e2cca4

Brand: DENFOON

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your DENFOON Motorized Blackout Roller Shades. These shades feature a cordless design, solar panel charging, and remote control for enhanced convenience and safety. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.



Image: The DENFOON motorized blackout roller shade, showcasing its solar panel for charging, remote control, and compatibility with smart home devices like Amazon Alexa and Google Assistant.


2. SAFETY INFORMATION

- **Cordless Design:** The cordless design eliminates entanglement hazards, making it safer for homes with children and pets.
- **Battery Safety:** The shades are equipped with a rechargeable lithium-ion battery. Do not attempt to open or replace the battery. Use only the provided solar panel or a compatible USB charger (output not exceeding 1A) for charging.
- **Installation:** Ensure the shades are securely mounted according to the instructions to prevent accidental falls.
- **Environmental Protection:** The included solar panel promotes environmental conservation by reducing the need for disposable batteries.

3. PRODUCT FEATURES


- **100% Blackout Fabric:** Advanced fabric with horizontal and vertical texture provides complete light blockage, UV protection, and thermal insulation.
- **Quiet Motor Operation:** Designed for silent movement, ensuring minimal disturbance.
- **Solar Panel Charging:** Complimentary solar panel continuously charges the internal battery, reducing manual charging frequency and environmental impact.
- **Remote Control:** Includes a 1-channel remote control for basic operation. Optional 15-channel remote (B0CXXN5S4M) available for controlling multiple blinds.
- **Smart Home Compatibility:** Supports voice control via Amazon Alexa or Google Assistant and app control via Tuya app when connected to an optional Smart Bridge/Hub (B0CXXWL6FM).

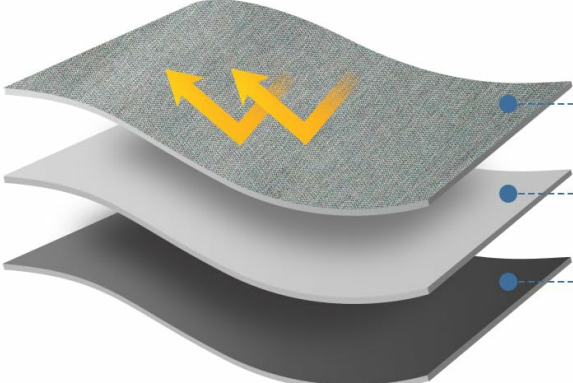
YOURS



100% BLACKOUT

OTHERS





Anti UV
Fabric Layer shading

100% Blackout
Black Coating shading

Thermal Insulation
Color Coating shading

Image: Diagram illustrating the multi-layered blackout fabric, highlighting its anti-UV, 100% blackout, and thermal insulation properties.



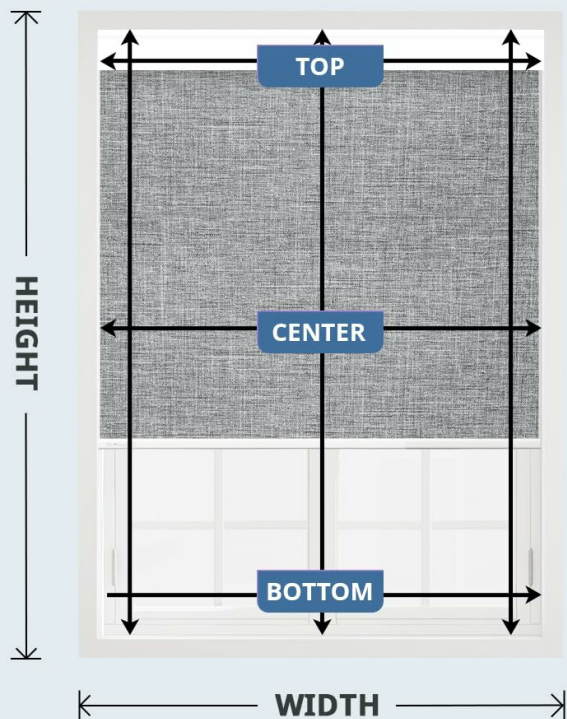
Image: Visual representation of the benefits of motorized blinds, including quiet operation, temperature regulation, and enhanced safety by eliminating cords.

4. INSTALLATION

4.1 Measurement Guidelines

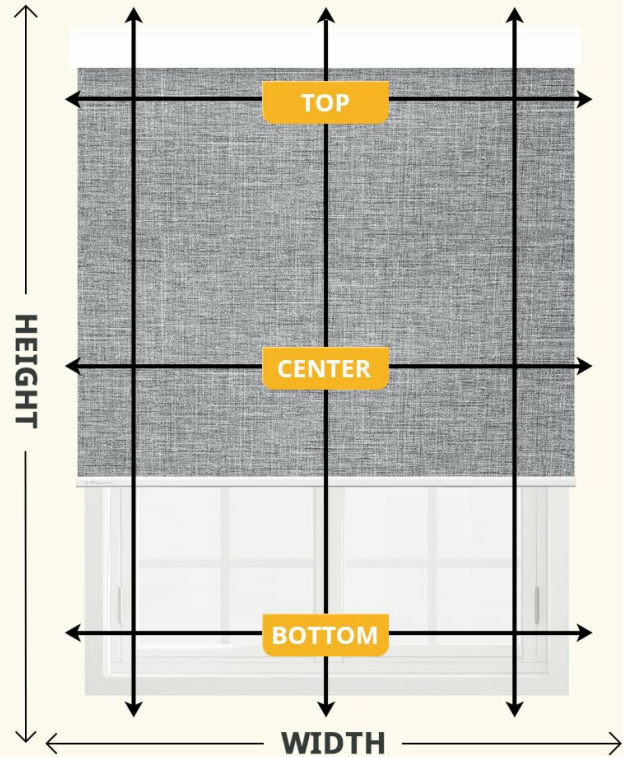
Accurate measurements are crucial for proper fit and function. Determine whether you will use an inside mount or an outside mount before measuring.

Standard product measurement/purchase rules



INSIDE MOUNT

- Order width \leq window width - 1/4
- Order height \leq 72"
- Window depth \geq 2" or 4"



OUTSIDE MOUNT

- Order width \geq window width + 4"
- Order height \leq 72"

Image: Diagram showing measurement guidelines for both inside and outside mount installations, indicating where to measure width and height.

Inside Mount:

- **Width:** Measure the exact width of the window opening at the top, middle, and bottom. Use the smallest measurement. Order width = window width - 1/4 inch.
- **Height:** Measure the exact height of the window opening. Order height \leq 72 inches.
- **Window Depth:** Minimum 2 inches or 4 inches required for flush mount.

Outside Mount:

- **Width:** Measure the desired width to cover the window opening, typically window width + 4 inches for optimal light blockage and privacy.
- **Height:** Measure the desired height. Order height \leq 72 inches.

Note: For custom sizes, refer to the specific custom product measurement rules provided at the time of purchase.

4.2 Mounting the Shades

1. **Mark Bracket Positions:** Hold the shade in the desired mounting location and mark the positions for the

mounting brackets. Ensure they are level.

2. **Install Brackets:** Drill pilot holes and secure the mounting brackets using appropriate screws for your wall type.
3. **Attach Shade:** Carefully attach the roller shade assembly to the installed brackets. Ensure it clicks securely into place.
4. **Install Valance (if applicable):** If your shade includes a valance, attach it to the headrail according to the specific instructions provided with your product.

4.3 Solar Panel Installation

The solar panel is designed to continuously charge your shades' battery. Position it where it receives maximum direct sunlight.

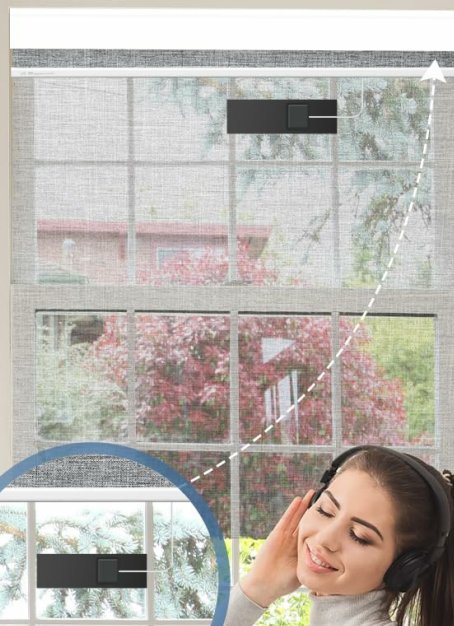
1. **Choose Location:** Select a spot on the window glass or frame that gets consistent sunlight throughout the day.
2. **Clean Surface:** Ensure the mounting surface is clean and dry.
3. **Attach Solar Panel:** Use the provided adhesive or mounting hardware to secure the solar panel.
4. **Connect Cable:** Plug the solar panel's cable into the charging port on the motorized shade. Ensure the Type-C interface is tightly connected.

OTHERS



- The need to replace the battery often very troublesome
- Used batteries are neither safe nor environmentally friendly
- it is not safe to replace the battery on the height

YOURS



• Ours Lead with Innovation •

- Solar panel charging to reduce environmental pollution, can be held charging
- Reduce battery emissions, very convenient
- no need to replace the battery

Image: Comparison illustrating the convenience of solar panel charging versus the effort required for manual battery replacement, emphasizing safety and environmental benefits.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Operation

Your shades come with a 1-channel remote control. For multi-blind control, an optional 15-channel remote is available (B0CXXN5S4M).

The infographic is divided into two main sections. The left section shows three control methods for motorized blinds: Voice Control (using smart speakers and a Tuya hub), App Control (using a smartphone and a Tuya hub), and Remote Control (using a 15-channel remote control). The right section highlights three key features: 'Free Included' solar panels for continuous slow charging, an optional HUB that can control up to 30 blinds, and a remote control that is included for free.

Image: Overview of control methods including remote control, voice control via smart speakers, and app control through a smartphone, all compatible with the motorized blinds.

- **Up Button:** Raises the shade.
- **Down Button:** Lowers the shade.
- **Stop/Middle Button:** Stops the shade at its current position or moves it to a pre-set favorite position.
- **Pairing:** Follow the specific pairing instructions included with your remote control to link it with your shade.
- **Setting Limits:** Refer to the remote control's specific instructions for setting upper and lower travel limits for your

shade.

5.2 Smart Home Integration (Optional)

To enable voice control (Amazon Alexa, Google Assistant) and app control (Tuya app), you will need the optional DENFOON Smart Bridge/Hub (B0CXXWL6FM).

1. **Install Smart Bridge:** Plug in and set up the Smart Bridge according to its separate instructions.
2. **Connect to Tuya App:** Download the Tuya app and follow the in-app instructions to connect your Smart Bridge and shades.
3. **Integrate with Voice Assistants:** Link your Tuya account with Amazon Alexa or Google Assistant through their respective apps to enable voice commands.

Note: The Smart Bridge/Hub and 15-channel remote are sold separately and are only compatible with DENFOON brand products.

6. MAINTENANCE

- **Cleaning:** The fabric is "Spot Clean Only". Use a soft, damp cloth with mild soap to gently clean any soiled areas. Do not immerse the shade in water or use harsh chemicals.
- **Battery Charging:** The solar panel provides continuous charging. If the shades are in an area with insufficient sunlight or if the battery level is low, you may need to manually charge the battery using a USB charger (output not exceeding 1A).
- **Regular Checks:** Periodically check the mounting brackets and solar panel for secure attachment.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Shade does not move.	Low battery; remote not paired; motor malfunction.	Charge the battery (via solar panel or USB). Re-pair the remote control. If issues persist, contact customer support.
Remote control not responding.	Remote battery low; remote not paired; interference.	Replace remote battery. Re-pair the remote. Ensure no obstructions between remote and shade.
Solar panel not charging effectively.	Insufficient sunlight; panel obstructed or dirty; faulty connection.	Relocate panel to receive more direct sunlight. Clean the panel surface. Ensure cable is securely connected. Manually charge via USB if needed.
Shade stops at incorrect positions.	Travel limits incorrectly set.	Reset and reprogram the upper and lower travel limits using the remote control instructions.
Motor makes unusual noise.	Obstruction; internal issue.	Check for any physical obstructions. If noise persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	DENFOON
Model Number	a5e98530-18ae-4b11-a6d1-85f383e2cca4
Material	Polyester Fabric
Product Dimensions	72"L x 20"W (for this specific variant)
Color	B-grey (Solar Panels Charging)
Opacity	Blackout
Operation Mode	Automatic, Motorized
Special Feature	Blackout, Cordless, Solar Panel Charging
Mounting Type	Inside Mount (standard for this variant)
Control Type	Motorized, Remote Control, (Optional: App/Voice via Smart Bridge)
Battery	1 Lithium Ion battery (included, rechargeable)
Product Care	Spot Clean Only

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your DENFOON Motorized Blackout Roller Shades, please contact the manufacturer directly through their official website or the retailer where the product was purchased.

Please have your model number (a5e98530-18ae-4b11-a6d1-85f383e2cca4) and purchase details ready when contacting support.