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› AUDEEKON DIY Venetian Blind Motorization Kit Instruction Manual

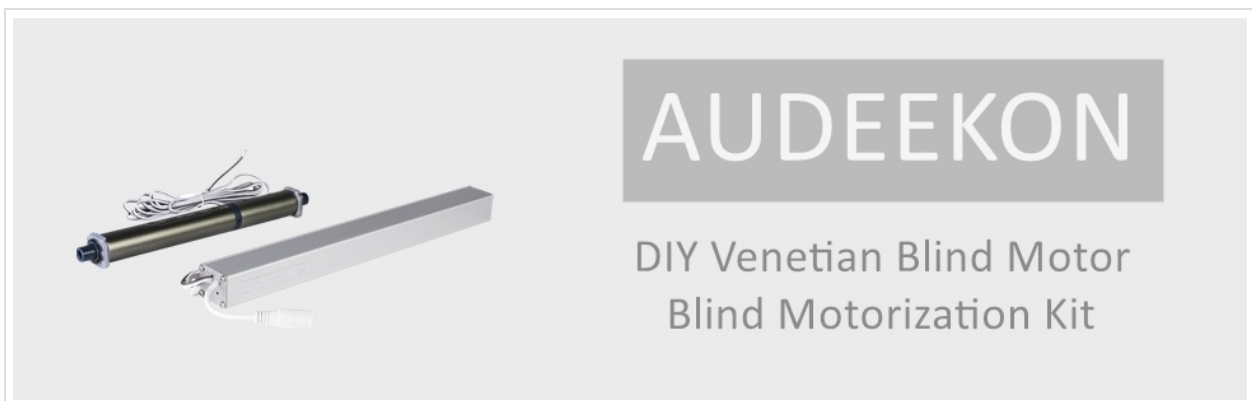
AUDEEKON 1

AUDEEKON DIY Venetian Blind Motorization Kit

Instruction Manual for Model 1

1. PRODUCT OVERVIEW

The AUDEEKON DIY Venetian Blind Motorization Kit is designed to convert existing horizontal blinds into motorized units. This kit features a built-in radio receiver, a 12V DC power supply, and a double drive shaft for quiet operation. It is compatible with 25mm motorized Venetian blinds, 25mm motorized light Roman blinds, and honeycomb blinds.



This image displays the AUDEEKON brand logo and the product name, "DIY Venetian Blind Motor Blind Motorization Kit".

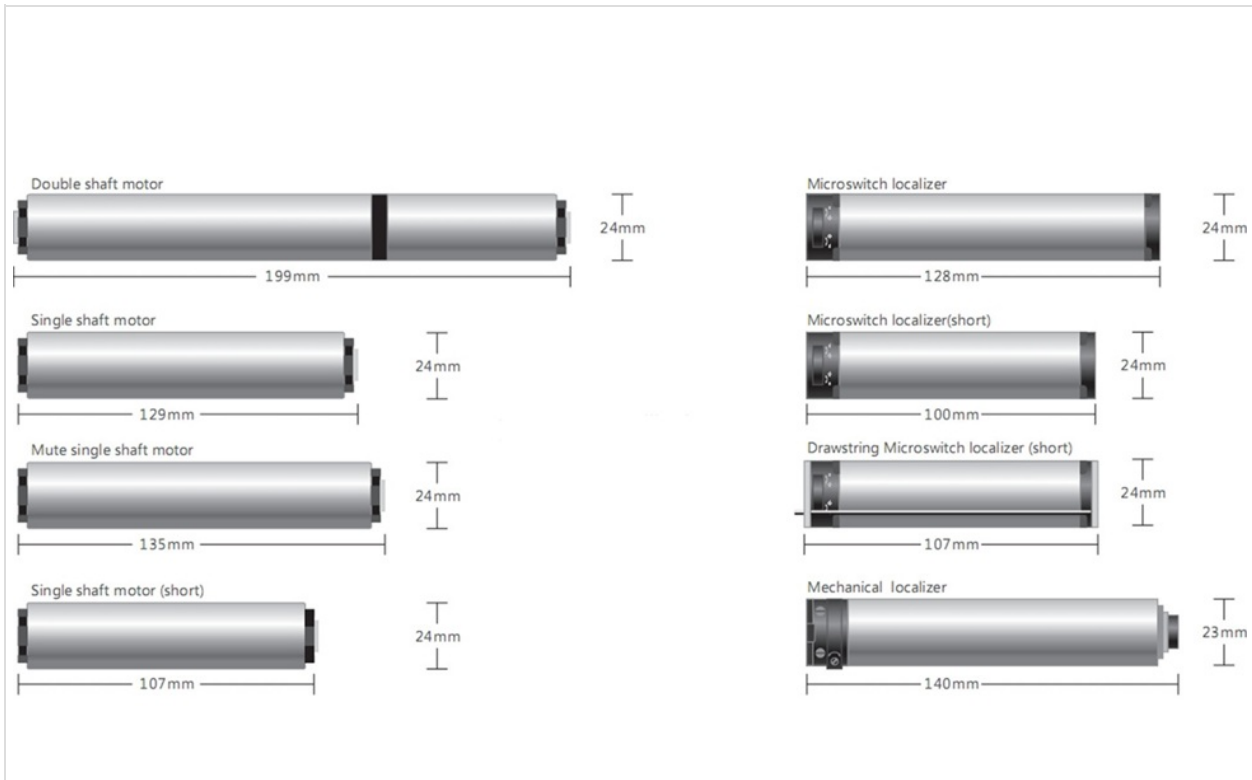
2. PRODUCT COMPONENTS

The motorization kit includes several key components for converting your blinds. Understanding these parts is essential for proper installation and function.

- **Motor:** The core unit responsible for blind movement. Available in various shaft configurations (single, double, mute).
- **Receiver:** Receives signals from the remote control (not included) to operate the motor.
- **Solar Panel (Optional):** Provides power to the system, connecting via the DC charging head.
- **DC Charging Head:** Connects the solar panel or other 12V DC power source to the system.

- **Radio Antenna:** Enhances signal reception for the built-in radio receiver.
- **Rubber Adaptor:** Installed at the motor ends to reduce vibration and noise within the rail system.

Refer to the structural diagrams below for a visual representation of the components and their integration.



This diagram illustrates the structural components of the motorization system. It shows the motor, solar panel, DC charging head, radio antenna, and receiver, along with how the motor integrates into the blind's track.



This diagram details the internal structure of a 25mm Honeycomb or Pleated Blind when motorized. It labels components such as the 25 DC motor, spool, localizer, locking ring, bracket, head rail, hexagonal bar, card ring of top rail, drawstring, bottom rail, end cap of head rail, and end cap of bottom rail. A sectional view of the European 25 head rail is also included.

3. COMPATIBILITY AND SIZING

This motorization kit is designed for specific blind types and requires custom shaft sizing to ensure proper fit and function. It is compatible with 25mm Venetian blinds, Light Roman blinds, and Honeycomb blinds.

3.1. Custom Shaft Sizing

The motor shaft size is custom-made to fit your specific blinds. Custom widths typically range from 0.16" to 0.24" and custom lengths from 0.2" to 0.24". Different types of head rails can also be accommodated. Please ensure accurate measurements are provided during the ordering process.

3.2. Motor Dimensions

Various motor types are available, each with specific dimensions to suit different blind configurations.

DIY Venetian Blind Motor

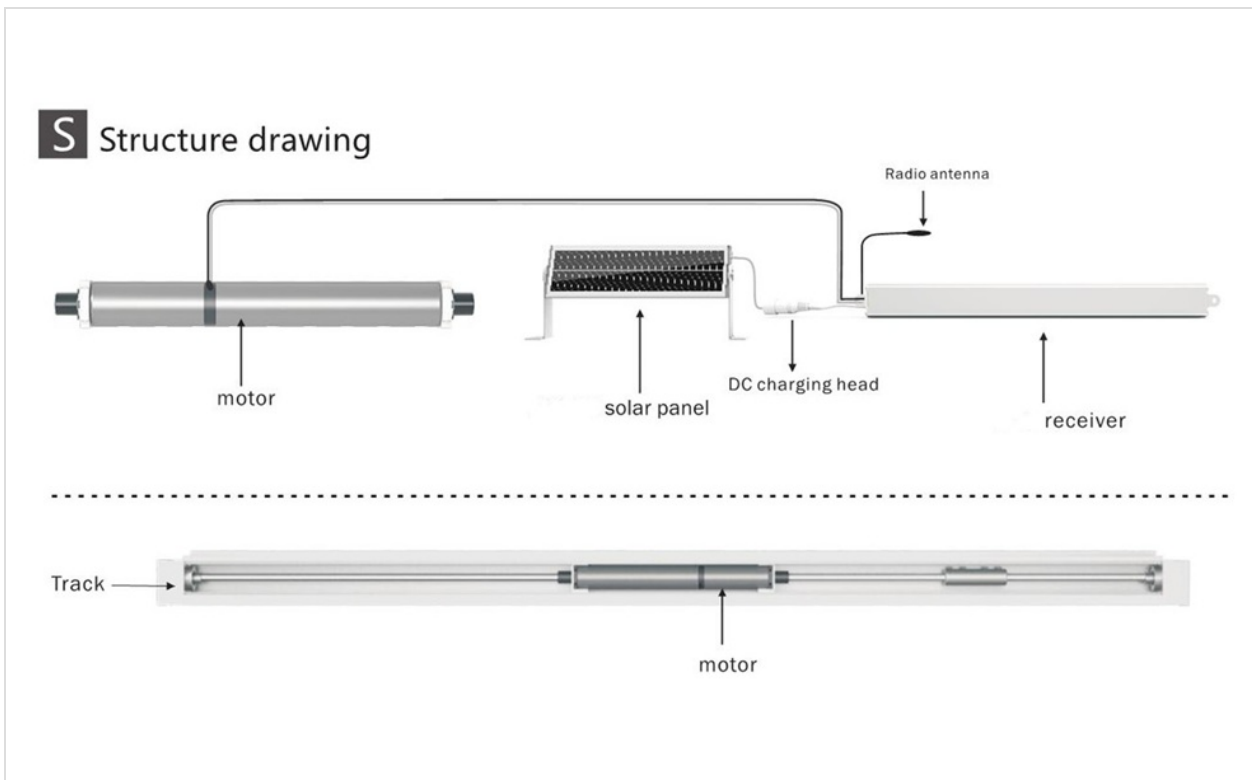
Blind Motorization Kit



This image provides detailed dimensions for different motor types, including double shaft motor (199mm), single shaft motor (129mm), mute single shaft motor (135mm), single shaft motor (short, 107mm), microswitch localizer (128mm), microswitch localizer (short, 100mm), drawstring microswitch localizer (short, 107mm), and mechanical localizer (140mm). All motors have a diameter of 24mm, except the mechanical localizer which is 23mm.

3.3. Motor Model Applicable Range

The following table indicates the suitable motor model based on the width and height of your blinds. Note that a single shaft motor can drive blinds up to 2.5 meters wide; for widths exceeding 2.5 meters, a double shaft motor is required.



This table outlines the applicable range for different motor models (25-0.6N, 25-0.8N, 25-1N, 25-1.2N) based on the width and height of the blind in millimeters. It also notes that a single shaft motor can drive blinds up to 2.5m wide, and a double shaft

motor is needed for widths above 2.5m. String diameter is 1.4mm, blade weight 550g/m², and bottom rod weight 260g/m².

3.4. Blind Structure Examples

The kit is compatible with various blind structures. Below are diagrams illustrating the integration with Light Roman and 25mm Venetian blinds.

25/35/45mm Motorized Honeycomb /Pleated Blind



This image presents two diagrams. The top diagram shows the structure of a Light Roman Blind, highlighting the 25 DC motor, spool, localizer, locking ring, bracket, head rail, magic sticker, hexagonal bar, and card ring of top rail, along with a sectional view of the 25 head rail. The bottom diagram illustrates the structure of a 25mm Venetian Blind, labeling similar motor components plus the curtain blade, and a sectional view of the European 25 venetian blind head rail.

Motorized Honeycomb /Venetian Blind For Car



This image provides visual examples of the product in use. The top section shows 25/35/45mm motorized honeycomb/pleated

blinds installed in a modern room setting. The bottom section displays motorized honeycomb/venetian blinds installed in a car interior, demonstrating versatility.

4. INSTALLATION GUIDE

Installation involves integrating the motorization kit into your existing horizontal blinds. Due to the custom nature of the shaft and various blind designs, specific step-by-step instructions may vary. Always refer to the provided diagrams and ensure all connections are secure.

4.1. General Installation Steps

1. **Prepare Your Blinds:** Ensure your existing horizontal blinds are clean and in good working condition.
2. **Insert Motor:** Carefully insert the custom-sized motor into the head rail of your blind. The rubber adaptors should be positioned at the motor ends to minimize vibration.
3. **Connect Receiver:** Connect the motor to the receiver unit. Ensure the radio antenna is positioned for optimal signal reception.
4. **Power Connection:** Connect the DC charging head to a 12V DC power source. If using a solar panel, connect it to the DC charging head.
5. **Secure Components:** Ensure all components are securely fastened within the blind's structure and that no wires are pinched or exposed.
6. **Test Operation:** Before final mounting, perform a test run to ensure the motor operates smoothly and the blinds move correctly.

For detailed visual guidance on component placement within different blind types, refer to the diagrams in the "Product Components" and "Compatibility and Sizing" sections.

5. OPERATING INSTRUCTIONS

The AUDEEKON motorization kit operates via a built-in radio receiver, allowing for convenient control of your blinds. A compatible remote control (sold separately) is required for operation.

5.1. Basic Operation

- **Open Blinds:** Press the designated 'Up' or 'Open' button on your remote control.
- **Close Blinds:** Press the designated 'Down' or 'Close' button on your remote control.
- **Stop Blinds:** Press the 'Stop' button to halt the blinds at any desired position.

Refer to your remote control's instruction manual for specific pairing and programming procedures, including setting upper and lower limits for blind movement.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your motorization kit.

- **Cleaning:** The motor unit and associated components should be spot cleaned only. Do not immerse in water or use harsh chemical cleaners.
- **Regular Checks:** Periodically inspect all connections and ensure the motor operates smoothly without obstruction.
- **Battery (if applicable):** If your remote control or any part of the system uses batteries, ensure they are replaced as needed.

7. TROUBLESHOOTING

If you encounter issues with your motorization kit, consider the following common troubleshooting steps:

- **Motor Not Responding:**

- Check power connections to the DC charging head and solar panel (if used).
- Ensure the remote control batteries are functional and the remote is paired correctly.
- Verify the radio antenna is unobstructed.

- **Blinds Not Moving Smoothly:**

- Inspect the blind track for any obstructions or debris.
- Ensure the motor is correctly seated and the rubber adaptors are in place to reduce friction.
- Check if the blind's internal mechanisms are damaged or misaligned.

- **Unusual Noises:**

- Confirm the rubber adaptors are properly installed at the motor ends.
- Check for any loose components within the blind or motor assembly.

If these steps do not resolve the issue, please contact customer support for further assistance.

8. SPECIFICATIONS

Brand	AUDEEKON
Model Number	1
Material	Metal, Plastic
Product Dimensions (Motor)	8"L x 1"W (203.2mm L x 25.4mm W)
Color	White
Recommended Uses	Motor for honeycomb blinds, 25mm motorized venetian blind, 25mm motorized light roman blind
Room Type	Bedroom, Living Room
Operation Mode	Motorized (with potential for manual override)
Shape	Rectangular
Number of Items	1 (Kit)
Product Care Instructions	Spot Clean Only
Closure Type	Motorized
Mounting Type (for blinds)	Outside Mount
Water Resistance Level	Water Resistant
Control Type	Motorized
UPC	630282561939

8.1. Motor Dimensions

Refer to the image in Section 3.2 for detailed dimensions of various motor types.

8.2. Motor Model Applicable Range

Refer to the table in Section 3.3 for the applicable range of motor models based on blind width and height.

9. SUPPORT

For any questions regarding the AUDEEKON DIY Venetian Blind Motorization Kit, or if you require assistance with installation, operation, or troubleshooting, please contact AUDEEKON customer support.

You can reach us via Amazon message. We are committed to responding within 12 hours and assisting you until your problem is resolved to your satisfaction.