

Rollerhouse ERB22

Rollerhouse ERB22 Roller Battery Shade Motor Conversion Kit User Manual

Model: ERB22 | Brand: Rollerhouse

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Rollerhouse ERB22 Roller Battery Shade Motor Conversion Kit. This kit is designed to motorize existing Coolaroo roller shades with a 38mm tube, offering convenient wireless control.

Key Features:

- **Perfect Compatibility:** Engineered for Coolaroo 38mm tube roller shades.
- **Battery Silent Motor:** Operates shades up to 5 lbs with quiet performance.
- **Wireless Remote Control:** Adjust shades using RF technology, even through walls.
- **Easy DIY Installation:** Designed for straightforward setup without complex wiring.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Shade Motor (38mm compatibility)
- 1x 38mm Tube Drive & Crown
- 1x Wireless Remote Control
- 1x Motor Side Mounting Hardware
- 1x USB Charging Cable



Image 1: The Rollerhouse ERB22 motor unit, along with the 38mm tube drive and crown components. The motor is a cylindrical unit, and the drive and crown are white plastic adapters designed to fit into the shade tube.

3. COMPATIBILITY

This conversion kit is specifically designed for Coolaroo roller shades that utilize a 38mm (1-1/2 inch) outer diameter tube. Before installation, it is crucial to verify the internal diameter of your shade's tube to ensure proper fitment. The kit includes a custom adapter sleeve for seamless integration.



Image 2: A close-up view demonstrating how to measure the internal diameter of a shade tube. The image highlights measurements of 24mm, 36.9mm, and 36.2mm, indicating the tube's internal structure and confirming compatibility with 38mm OD tubes.

4. SETUP AND INSTALLATION

Follow these steps to install your Rollerhouse ERB22 motor kit:

1. **Prepare the Shade Tube:** Remove your existing Coolaroo roller shade from its mounting brackets. Carefully remove the manual operating mechanism (e.g., chain or wand) from one end of the shade tube.
2. **Install the Motor:** Insert the motor unit into the shade tube. The 38mm tube drive and crown components should fit snugly into the tube. In some cases, minor filing of the adapter "gear" may be necessary to achieve a perfect fit. Ensure the motor is fully seated within the tube.
3. **Mount the Shade:** Reinstall the shade tube with the motor into your existing mounting brackets. Ensure the motor side mounting hardware is securely fastened.
4. **Charge the Motor:** Connect the USB charging cable to the motor and a suitable USB power source. Allow the motor to fully charge before initial use.
5. **Pair the Remote Control:**
 - Locate the small programming hole on the back of the wireless remote control.
 - Using a small pin or paperclip, press and hold the programming button until the motor responds (e.g., jogs slightly).
 - Follow the specific pairing instructions provided with your remote control to link it with the motor.
6. **Set Upper and Lower Limits:**
 - Use the remote to move the shade to your desired upper limit position.
 - Refer to your remote's instructions for the specific button sequence to set the upper limit. The motor will typically jog to confirm.
 - Repeat the process for the desired lower limit position.
 - *Note: Setting limits is crucial. Without them, the motor will continue to run until manually stopped.*
7. **Adjust Direction (if necessary):** If the "Up" button moves the shade down and vice-versa, consult your remote's instructions to reverse the motor direction.

5. OPERATING INSTRUCTIONS

Once installed and programmed, operating your motorized shade is straightforward:

- **Raise Shade:** Press the "Up" button on the remote control. The shade will move to its programmed upper limit.
- **Lower Shade:** Press the "Down" button on the remote control. The shade will move to its programmed lower limit.
- **Stop Shade:** Press the "Stop" or "Middle" button (if available) to halt the shade at any desired position.
- **Intermediate Stop:** Some remotes allow setting an intermediate stop point. Refer to your remote's specific instructions for this feature.

The RF technology allows control from anywhere within range, even through walls, without needing to point the remote directly at the shade.

6. MAINTENANCE

Charging the Battery:

The motor is powered by an internal rechargeable battery. When the motor's performance diminishes or it stops responding, it indicates a low battery. Connect the provided USB charging cable to the motor's charging port and a standard USB power adapter (not included). A full charge typically lasts several months, depending on usage frequency.

Cleaning:

For cleaning the motor unit, use a dry or slightly damp cloth. Do not immerse the motor in water or use harsh chemical cleaners. The manufacturer recommends "Spot Clean Only" for the components.

7. TROUBLESHOOTING

If you encounter issues with your motor kit, refer to the following common problems and solutions:

- **Motor Not Responding to Remote:**
 - Check if the motor battery is charged.
 - Ensure the remote control battery is functional.
 - Re-attempt the remote pairing process as described in the "Setup" section.
- **Shade Does Not Stop at Desired Position:**
 - The upper and lower limits may not be set correctly. Follow the "Set Upper and Lower Limits" steps in the "Setup" section to reprogram them.
- **Motor Direction is Reversed:**
 - Consult your remote control's instructions for reversing the motor direction. This is typically a specific button combination.
- **Motor Appears Weak or Cannot Lift Shade:**
 - Ensure the motor is fully charged.
 - Verify that your shade's weight does not exceed the motor's 5 lb lift capacity.
 - Check for any obstructions or excessive friction in the shade's movement path.
- **Adapter "Gear" Does Not Fit:**
 - As noted in the setup, minor filing of the plastic adapter may be required for a snug fit within some shade tubes. Proceed carefully if this is necessary.

8. SPECIFICATIONS

Attribute	Detail
Model Number	ERB22
Brand	Rollerhouse
Compatibility	Coolaroo Roller Shades with 38mm (1-1/2") OD Tube
Lift Capacity	Up to 5 lbs
Control Type	Wireless RF Remote Control
Power Source	Rechargeable Battery (USB Charging)
Product Dimensions	3 x 2.2 x 17.32 inches
Item Weight	14.1 ounces

Included Components	Motor, Tube Drive & Crown, Remote Control, Mounting Hardware, USB Cable
Care Instructions	Spot Clean Only

9. WARRANTY AND SUPPORT

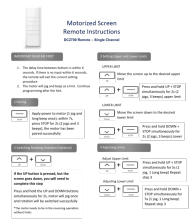
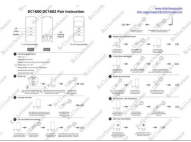
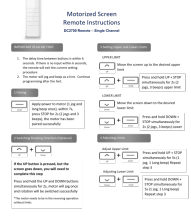
For warranty information or technical support, please contact Rollerhouse customer service. Refer to the product packaging or the official Rollerhouse website for the most current contact details and warranty terms.

Online Support: [Visit the Rollerhouse Store on Amazon](#)



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Related Documents - ERB22

	<p>Rollerhouse DC2700 Remote Instructions for Motorized Screens</p> <p>A comprehensive guide to operating and setting up the Rollerhouse DC2700 single-channel remote for motorized screens, including pairing, limit setting, and troubleshooting.</p>
	<p>DC1600 DC1602 Transmitter Pairing and Limit Setting Instructions</p> <p>Instructions for pairing and setting limits for DC1600 and DC1602 transmitters with motorized blinds. Covers basic operation, limit setting, and adding new transmitters.</p>
	<p>Rollerhouse DC2700 Remote Instructions for Motorized Screens</p> <p>A comprehensive guide to operating and setting up the Rollerhouse DC2700 single-channel remote for motorized screens, including pairing, limit setting, and troubleshooting.</p>

