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> Mirfee Electric Stair Climbing Dolly Model 4980661 User Manual

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Mirfee Electric Stair Climbing Dolly User Manual

Model: 4980661

For safe and efficient operation of your Mirfee Electric Stair Climbing Dolly.

1. INTRODUCTION

The Mirfee Electric Stair Climbing Dolly is designed to assist in the safe and efficient transport of heavy items up and down stairs. Equipped with a powerful motor and robust construction, it significantly reduces physical strain and labor time in various environments such as logistics, warehouses, and residential moving.

Reducing Labor Costs with Electric Stair Climbers



Image 1.1: Comparison illustrating the efficiency of the electric stair climbing dolly over manual lifting.

Key features include:

- **1200W Motor:** Provides strong climbing power with low operational noise, capable of 60 steps per minute.
- **880 lbs (400 kg) Load Capacity:** Designed for heavy-duty transport of furniture and large items.
- **10-inch Anti-Puncture Solid Tires:** Enhanced grip, anti-slip, and shock absorption for stability on various stair types.
- **Intuitive Control Panel:** Features speed adjustment, up/down buttons, and an LCD display for power status.
- **4M Safety Rope:** Included for securing items during transport.

Wide Applicaton



Image 1.2: Examples of wide application for the Mirfee Electric Stair Climbing Dolly.

2. SAFETY INFORMATION

Read all safety warnings and instructions before operating this device. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

2.1 General Safety Precautions

- Always wear appropriate personal protective equipment (PPE), such as safety gloves and sturdy footwear.
- Ensure the load is securely fastened to the dolly using the provided safety rope before moving.
- Do not exceed the maximum load capacity of 880 lbs (400 kg).
- Keep hands and feet clear of moving parts, especially the wheels and motor area.
- Operate the dolly on stable and clear staircases. Avoid slippery, uneven, or damaged steps.
- Do not operate the dolly under the influence of drugs, alcohol, or medication that impairs judgment.
- Keep children and bystanders away from the operating area.
- Always maintain a firm grip on the handles during operation.
- In case of malfunction or unusual noise, immediately stop operation and consult the troubleshooting section or contact customer support.

2.2 Electrical Safety

- Use only the charger supplied with the device.
- Do not expose the dolly or charger to rain or wet conditions.
- Inspect the power cord and charger for damage before each use. Do not use if damaged.
- Ensure the battery is fully charged before heavy use to prevent power loss during operation.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your Mirfee Electric Stair Climbing Dolly.

EXCELLENT MANEUVERABILITY & STABILITY



Image 3.1: Main components and control panel.

- **Handles:** Ergonomically designed for a secure grip.
- **Up and Down Buttons:** Control the climbing direction.
- **On/Off Switch:** Powers the unit on or off.
- **Speed Button:** Adjusts the climbing speed.
- **LCD Display:** Shows battery power level and operational status.
- **Charging Port (Plug):** For connecting the battery charger.
- **S-shaped Support Arm:** Provides stability and support during stair climbing.
- **10-inch Anti-Puncture Solid Tires:** Durable tires for various surfaces.
- **Loading Plate:** The platform where items are placed for transport.

10" ANTI-PUNCTURE SOLID TIRE

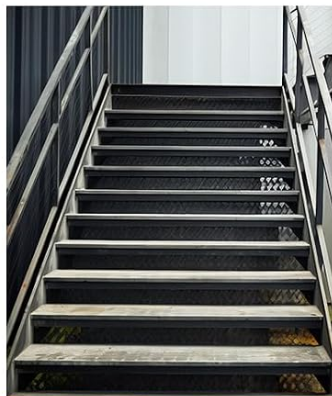
Stronger grip and higher load-bearing strength



Wooden Staircase



Marble Staircase



Metal Staircase



Concrete Staircase

Image 3.2: Detail of the 10-inch anti-puncture solid tire and compatible stair types.



S-shaped Support Arm

S-shaped alloy steel support arm with super hardness and higher load-bearing capacity

Image 3.3: Detail of the S-shaped support arm.

4. SETUP

4.1 Unpacking and Initial Inspection

- Carefully remove all components from the packaging.
- Inspect the dolly for any signs of damage during transit. If damage is found, do not operate and contact customer support.
- Ensure all listed components are present: main dolly unit, battery, charger, and 4M safety rope.

4.2 Battery Charging

- Before first use, fully charge the battery.
- Connect the charger to the charging port (Plug) on the dolly.
- Plug the charger into a standard electrical outlet.
- The LCD display will indicate charging status. Charge until the display shows a full charge.
- Once fully charged, disconnect the charger from the dolly and the power outlet.

4.3 Folding and Unfolding

The dolly can be folded for compact storage and transport.

EASY TO CARRY AND STORE

Unfolded size



Folded size



Image 4.1: Unfolded and folded dimensions.

- To unfold: Release the locking mechanism (if present) and extend the handle and loading plate until they click into place.
- To fold: Engage the release mechanism and collapse the handle and loading plate. Ensure it is securely latched for storage.

5. OPERATING INSTRUCTIONS

5.1 Loading the Dolly

- Place the item securely on the loading plate.
- Use the 4M safety rope to firmly secure the item to the dolly frame. Ensure the item cannot shift or fall during

movement.

4M ADJUSTMENT ROPE

Allows for better fastening of boxes and other items.



Image 5.1: Securing a load with the 4M adjustment rope.



4M Adjustment Rope

4M Extended adjustment rope, can fasten heavy objects better

Image 5.2: Detail of the 4M adjustment rope.

5.2 Basic Operation

- Turn on the dolly using the On/Off switch.
- Check the LCD display for battery level.
- Adjust the speed using the Speed Button to a comfortable and safe level for the load and staircase.

5.3 Stair Climbing Technique (Upstairs)

Follow these steps for safe and effective stair climbing:



Simple and Easy to Operate

No tools are required, and you can use it quickly

- Keep your body upright, close to the armrest, and lean forward
- Hold the machine with both hands straight, and press down the stair climber restraining the overturning force when going upstairs
- The operator goes back one step after the stair climber goes upstairs one step
- Best operating positions: the third step



Turn to downstairs mode, spin the S-shaped arm to the position like this and stop



Push the stair climber to the edge of the first step slowly, and make the S arm struttred the machine while the wheels are hung press the start button and go downstairs



The instructions only apply to conventional stairs, if your staircase has an unusual size, please consult for special operating tips

Image 5.3: Stair climbing technique for ascending.

1. Position the dolly at the base of the stairs with the load facing upwards.
2. Keep your body upright, close to the dolly's armrest, and lean slightly forward.
3. Hold the machine with both hands straight on the handles.
4. Press and hold the "Up" button. The dolly will begin to climb.
5. As the dolly climbs one step, the operator should take one step back, maintaining control and balance.
6. Maintain constant pressure to restrain any overturning force.
7. The optimal operating position is typically with the dolly on the third step, allowing for better leverage and control.

5.4 Stair Descending Technique (Downstairs)

Follow these steps for safe and effective stair descending:

1. Position the dolly at the top of the stairs with the load facing downwards.
2. Turn the S-shaped support arm to the downward aim position.
3. Push the stair climber to the edge of the first step slowly.
4. Ensure the wheels are properly positioned, then press and hold the "Down" button.
5. Allow the dolly to descend one step at a time, controlling its movement.
6. Maintain a firm grip and control throughout the descent.

Note: These instructions apply to conventional stairs. For stairs with unusual sizes or configurations, exercise extreme caution and consult specialized operating tips if available.

6. MAINTENANCE

6.1 Cleaning

- After each use, wipe down the dolly with a damp cloth to remove dirt and debris.
- Do not use harsh chemicals or abrasive cleaners.
- Ensure no water enters the motor or electrical components.

6.2 Battery Care and Storage

- Store the dolly and battery in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50-70% every 3-6 months to maintain battery health.
- Do not store the battery completely discharged.

6.3 General Inspection

- Regularly check all bolts and fasteners for tightness. Tighten as necessary.
- Inspect the tires for wear or damage.
- Ensure the S-shaped support arm moves freely and locks securely.
- Check the charging cable and port for any signs of damage.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Dolly does not turn on.	Battery is discharged. On/Off switch is off. Loose battery connection.	Charge the battery fully. Ensure the On/Off switch is in the "On" position. Check battery connections.
Reduced climbing power or speed.	Low battery charge. Overload. Speed setting is too low.	Recharge the battery. Reduce the load to within specifications. Adjust speed using the Speed Button.

Problem	Possible Cause	Solution
Unusual noise during operation.	Loose components. Obstruction in wheels/motor. Internal mechanical issue.	Check and tighten all fasteners. Inspect for and remove any obstructions. Discontinue use and contact customer support.
Dolly stops unexpectedly.	Battery depleted. Overload protection activated. Obstruction.	Recharge battery. Reduce load. Check for and remove obstructions.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Mirfee
Model Number	4980661
Motor Power	1200W
Load Capacity	880 lbs (400 kg)
Material	Rubber (Wheels)
Wheel Type	10-inch Anti-Puncture Solid Rubber Tires
Number of Wheels	2
Safety Rope Length	4 meters
UPC	695602850964
ASIN	B0DGKZNWWQ

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Specific warranty details for your Mirfee Electric Stair Climbing Dolly are typically provided with your purchase documentation. Please refer to the warranty card or contact your retailer for information regarding coverage period and terms. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, spare parts, or any questions not covered in this manual, please contact Mirfee customer support. You can typically find contact information on the product packaging, the retailer's website, or by visiting the official Mirfee brand store online.

Online Store: [Mirfee Store on Amazon](#)

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