

Richmat HJA1

Richmat Electric Bed Motor User Manual

Model: HJA1

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Richmat Electric Bed Motor. This dual-motor system is designed to provide reliable and powerful adjustment for electric beds, featuring a maximum thrust of 6500N per motor. It includes both wired and wireless remote controls for flexible use.



Figure 1: Richmat Electric Bed Motor with included wireless and wired remote controls.

2. SETUP AND INSTALLATION

Before installation, ensure all components are present and undamaged. The motor is designed for easy integration into compatible electric bed frames.

2.1. Dimensions and Compatibility

The motor features a robust design with a maximum thrust of 6500N per motor. The center distance between the two mounting rods on the motor is 581 mm. The overall dimensions are 707 mm (length) x 167 mm (width) x 121 mm (height).

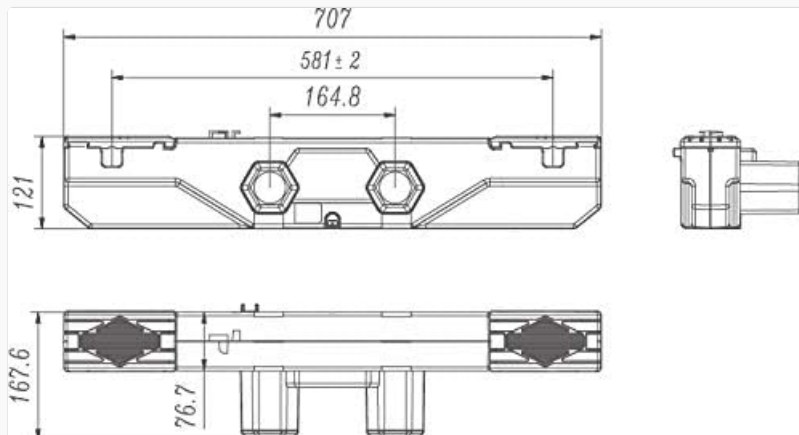


Figure 2: Detailed dimensions of the Richmat Electric Bed Motor (measurements in mm).

2.2. Installation Steps

1. **Preparation:** Ensure the bed frame is stable and accessible. Disconnect power from any existing motor system.
2. **Mounting:** Align the motor's mounting points with the corresponding points on your bed frame. Secure the motor using appropriate fasteners (not included, typically provided with the bed frame). The mounting hole diameter is 25mm.
3. **Electrical Connection:** Connect the motor's power cable to a suitable power outlet. Ensure the connection is secure.
4. **Remote Control Connection:** Plug in the wired remote control if you intend to use it. The wireless remote control operates via 2.4G frequency and does not require a direct cable connection to the motor.
5. **Initial Test:** Once installed, carefully test the motor's functions using the remote controls to ensure smooth operation of the head and foot sections.

3. OPERATING INSTRUCTIONS

The Richmat Electric Bed Motor offers dual control options: a 2.4G wireless handheld controller and a wired handheld controller. You can choose the controller that best suits your preference and environment.

3.1. Wireless Remote Control

The wireless remote provides convenient control without physical tethering. It features buttons for adjusting the head and foot sections of the bed.



Figure 3: Wireless Remote Control (Front and Side Views).

- **Head Up/Down:** Use the designated buttons to raise or lower the head section of the bed.
- **Foot Up/Down:** Use the designated buttons to raise or lower the foot section of the bed.
- **Simultaneous Movement:** Some buttons may allow for synchronized movement of both head and foot sections.

3.2. Wired Remote Control

The wired remote control offers a reliable connection and similar functionality to the wireless version.



Figure 4: Wired Remote Control.

- **Head Up/Down:** Press and hold the corresponding buttons to adjust the head section.
- **Foot Up/Down:** Press and hold the corresponding buttons to adjust the foot section.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your electric bed motor.

- **Cleaning:** Regularly clean the motor and remote controls with a dry, soft cloth. Avoid using abrasive cleaners or solvents.
- **Moisture Protection:** Protect the unit from moisture and liquids. Do not expose it to water or high humidity.
- **Cable Inspection:** Periodically inspect all cables for signs of wear, fraying, or damage. Replace damaged cables immediately.
- **Lubrication:** The motor is generally maintenance-free regarding internal lubrication. Do not attempt to lubricate internal components unless specifically instructed by a qualified technician.

5. TROUBLESHOOTING

If you encounter issues with your Richmat Electric Bed Motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Motor does not respond to remote control.	No power; Remote control battery low (wireless); Remote control not paired (wireless); Loose cable connection (wired).	Check power outlet and motor connection. Replace remote batteries. Re-pair wireless remote (refer to specific pairing instructions if available). Ensure wired remote cable is securely plugged in.
Motor makes unusual noises.	Obstruction; Loose mounting; Internal issue.	Check for any obstructions around the motor or moving parts. Ensure the motor is securely mounted. If noise persists, contact support.
Bed movement is jerky or inconsistent.	Overload; Obstruction; Power fluctuation.	Ensure the bed is not overloaded beyond its weight capacity. Check for obstructions. Ensure stable power supply.

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



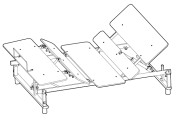

6. SPECIFICATIONS

Feature	Detail
Model Number	HJA1
Manufacturer	Richmat
Dimensions (L x W x H)	70.7 x 16.7 x 12.1 cm
Weight	5.12 Kilograms
Maximum Thrust	2 x 6500N
Mounting Hole Diameter	25 mm
Center Distance Between Mounting Rods	581 mm
Control Type	2.4G Wireless Handheld Controller + Wired Handheld Controller
Assembly Required	Yes
UPC	753510673065

7. WARRANTY AND SUPPORT

This Richmat Electric Bed Motor is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact the seller or manufacturer directly. When contacting support, please have your model number (HJA1) and purchase information readily available.

Related Documents

<p>HJSR96 Ble Product Catalog</p> 	<p>HJSR96 Ble Remote Control: Functions and Operation Guide</p> <p>Comprehensive guide to the HJSR96 Ble remote control, detailing functions for adjustable beds, including button descriptions, coding methods, Bluetooth pairing, and FCC compliance information from Qingdao Richmat Intelligence Technology Inc.</p>
<p>Richmat 荣江 HANDSET HJH124 Ble</p> 	<p>Richmat HJH124 Ble Handset User Manual</p> <p>User manual for the Richmat HJH124 Ble handset, detailing its functions, button operations, and technical specifications.</p>
<p>OWNER'S MANUAL Original instruction manual</p>  <p>Please read the manual carefully and keep it safe for future maintenance.</p>	<p>Richmat Adjustable Bed Frame Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the Richmat adjustable bed frame. Learn how to assemble, operate, and maintain your bed for optimal comfort and safety.</p>
<p>Richmat 荣江 HANDSET HJH55 Ble</p> 	<p>Richmat HJH55 Ble Bed Handset User Manual and Functions</p> <p>Comprehensive user guide for the Richmat HJH55 Ble remote control, detailing button functions, operation, pairing procedures, dimensions, and FCC compliance information for adjustable beds.</p>