

Generico Cello (Model 1)

Wimed Hospital Bed User Manual

MODEL CELLO (MODEL 1)

Introduction

This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your Wimed Electric Hospital Bed, Model Cello. Designed for the comfort and care of elderly and disabled individuals, this bed features an electric steel mesh base, a sturdy wooden frame, and multiple adjustable sections to enhance patient well-being and caregiver convenience. Please read this manual thoroughly before assembly or operation.

Safety Information

- **Maximum Load Capacity:** The bed is designed to support a maximum load of 180 kg (including mattress and patient). Do not exceed this weight limit.
- **Electrical Safety:** Ensure the power supply is 230V AC, 50 Hz. Do not operate the bed with wet hands or in wet conditions. Disconnect power before cleaning or maintenance.
- **Pinch Points:** Be aware of moving parts during adjustment to avoid pinching. Keep hands and feet clear of the bed frame and actuator mechanisms.
- **Patient Safety:** Always ensure the patient is positioned safely before adjusting the bed. Use side rails if necessary and available.
- **Supervision:** Patients requiring assistance should always be supervised during bed operation.
- **Maintenance:** Regular inspection and maintenance are crucial for safe operation. Do not use the bed if any part is damaged or malfunctioning.

Components Overview

The Wimed Hospital Bed consists of the following main components:

- **Wooden Frame:** The main structural support of the bed, providing stability and aesthetic appeal.
- **Steel Mesh Bed Base:** The mattress support surface, divided into adjustable sections.
- **Actuators (4):** Electric motors responsible for adjusting bed height, back section, and leg section.
- **Hand Control Unit:** A wired remote with 10 buttons for controlling all electric adjustments. Features a 'Nurse Lock' function.
- **Patient Lift Pole (Optional/Included):** An overhead support pole with a handle for patient assistance.

- **Wheels/Casters:** For easy mobility of the bed, typically with locking mechanisms.
- **Mattress:** A compatible mattress (Wimed Cello model) is included.



This image displays the complete Wimed electric hospital bed, showcasing its wooden frame, steel mesh mattress support, and an integrated patient lift pole for assistance.

Setup and Assembly

Assembly should be performed by two adults. Ensure all components are present before beginning.

1. **Unpack Components:** Carefully remove all parts from the packaging. Retain packaging for future transport if needed.
2. **Assemble Frame:** Follow the included assembly diagrams to connect the wooden headboard, footboard, and side rails to form the main bed frame. Ensure all connections are secure.
3. **Install Bed Base:** Place the steel mesh bed base onto the frame. Ensure it aligns correctly with the frame's support points.
4. **Connect Actuators:** Connect the four actuators to their designated points on the bed base and frame. Ensure all electrical connections are secure and properly routed to avoid pinching.
5. **Connect Control Unit:** Plug the hand control unit into the central control box.
6. **Install Patient Lift Pole (if applicable):** Insert the patient lift pole into its designated slot on the bed frame. Secure it according to the specific instructions provided with the pole.

- 7. **Place Mattress:** Lay the Wimed Cello mattress onto the steel mesh bed base. The bed features mattress stoppers to prevent sliding.
- 8. **Power Connection:** Plug the bed's power cord into a grounded electrical outlet.
- 9. **Test Functions:** Before patient use, test all electric functions (height adjustment, backrest, leg rest) using the hand control unit to ensure proper operation.

Operating Instructions

The bed's functions are controlled via the 10-button hand control unit.

- **Height Adjustment:** Use the dedicated buttons on the hand control to raise or lower the entire bed base from 38 cm to 79 cm from the floor.
- **Back Section Adjustment:** Use the dedicated buttons to raise or lower the backrest section up to 70°.
- **Leg Section Adjustment:** Use the dedicated buttons to raise or lower the leg section up to 25°. The leg and back sections can be adjusted simultaneously.
- **Foot Section Manual Adjustment:** The foot section has a manual rack-and-pinion adjustment for additional positioning.
- **Nurse Lock Function:** The hand control unit is equipped with a 'Nurse Lock' feature. This function allows authorized personnel to disable certain controls to prevent unintended adjustments by the patient. Refer to the specific instructions for activating/deactivating this lock.
- **Patient Lift Pole:** If installed, the patient lift pole provides a stable grab handle for the patient to assist with repositioning or getting in/out of bed.

Maintenance and Care

- **Cleaning:** Disconnect the bed from power before cleaning. Use a damp cloth with mild soap and water to clean the wooden frame and steel mesh. Avoid abrasive cleaners or excessive moisture.
- **Actuator Inspection:** Periodically inspect the actuators and their connections for any signs of wear, damage, or loose wiring.
- **Cable Management:** Ensure all cables are neatly routed and not pinched or tangled.
- **Lubrication:** Moving parts may require occasional lubrication. Consult a qualified technician for this.
- **Regular Checks:** Regularly check all bolts, screws, and connections to ensure they are tight and secure.
- **Professional Servicing:** For any complex repairs or electrical issues, contact a qualified service technician.

Troubleshooting

Problem	Possible Cause	Solution
Bed does not respond to controls.	No power; loose connection; Nurse Lock activated; motor overload.	Check power cord connection to outlet and bed. Ensure all cables are securely connected. Deactivate Nurse Lock. Allow motors to cool if continuously operated (intermittence 10% - 2 min on, 18 min off).
Motor makes noise but bed does not move.	Mechanism jammed; actuator failure.	Check for obstructions under the bed or in moving parts. Do not force movement. Contact service if actuator is faulty.

Problem	Possible Cause	Solution
Uneven bed adjustment.	Obstruction; actuator malfunction.	Check for obstructions. Ensure bed is on a level surface. Contact service if an actuator is malfunctioning.

Specifications

							
90 cm	200 cm	102 cm	215 cm	56 cm	from 38 to 79 cm	135 kg	180 kg

This diagram provides a visual representation of the Wimed hospital bed's critical dimensions, including length (215 cm), width (102 cm), bed base dimensions (200 cm x 90 cm), height adjustment range (38 to 79 cm), and maximum load capacity (180 kg).

Feature	Detail
Model	Cello (Model 1)
Overall Dimensions (L x W x H)	215 x 102 x 56 cm
Bed Base Dimensions	200 x 90 cm
Height Adjustment Range (Bed Base from Floor)	38 cm to 79 cm
Back Section Adjustment Angle	Up to 70°
Leg Section Adjustment Angle	Up to 25°
Maximum Load Capacity	180 kg
Power Supply	AC 230 V, ± 10 %, 50 Hz
Working Voltage	24V
Actuator Type	HJA5 Richmat (linear actuators for sections), JHA67 Richmat (linear actuators for height)
Actuator Max Thrust	6000 N
Motor Intermittence	10% (2 minutes operation, 18 minutes rest)
Sound Pressure Level	50 dB max
Electrical Protection Class	II Type B
Materials	Metal mesh, wooden head/footboard, aluminum sides
Product Weight	50 kg

Warranty and Support

For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact

your retailer. Wimed products are designed for durability and reliability. In case of technical issues or for spare parts information, please contact the manufacturer or your authorized service provider. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, please contact your local Wimed distributor or the customer support line provided by your retailer.

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