Xilin CBD15

Xilin CBD15 Electric Pallet Jack User Manual

Model: CBD15 | Capacity: 3300 lbs

1. Introduction

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Xilin CBD15 Electric Pallet Jack. Please read this manual thoroughly before operating the equipment to ensure proper usage and to prevent injury or damage.



Image 1.1: Xilin CBD15 Electric Pallet Jack with its lithium battery.

The Xilin CBD15 is a mini-type electric walkie pallet truck designed for material handling, offering a load capacity of 3300 lbs. It features a compact design, a powerful brushless motor, and a long-lasting lithium battery system.

2. Components Overview

Familiarize yourself with the main components of the Xilin CBD15 Electric Pallet Jack.



Image 2.1: Key components of the Xilin CBD15 Electric Pallet Jack.

- **Control Handle (Ruyi handle):** Used for steering, acceleration, lifting, lowering, and emergency stop.
- **Emergency Switch:** A prominent safety button for immediate power cut-off.
- **Lithium Battery:** Provides power for electric operation. The unit comes with two batteries for extended use.
- **Driving Wheel:** The main powered wheel for propulsion and steering. Features a horizontal mounted motor for easy maintenance.
- **Forks:** Used to lift and transport pallets.

3. Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always operate the pallet jack on level, stable surfaces. Avoid inclines exceeding the manufacturer's specifications.
- Ensure the load is centered and stable on the forks before moving. Do not exceed the rated load capacity of 3300 lbs.
- Keep hands and feet clear of moving parts, especially the forks and wheels.
- Use the emergency stop button in critical situations. Familiarize yourself with its location and function.
- Wear appropriate personal protective equipment (PPE), such as safety shoes and gloves.
- Do not operate the pallet jack under the influence of drugs or alcohol.
- Regularly inspect the equipment for damage or malfunctions before each use. Do not operate if damaged.
- Ensure adequate lighting in the work area.
- Be aware of your surroundings and maintain a safe distance from other personnel and obstacles.

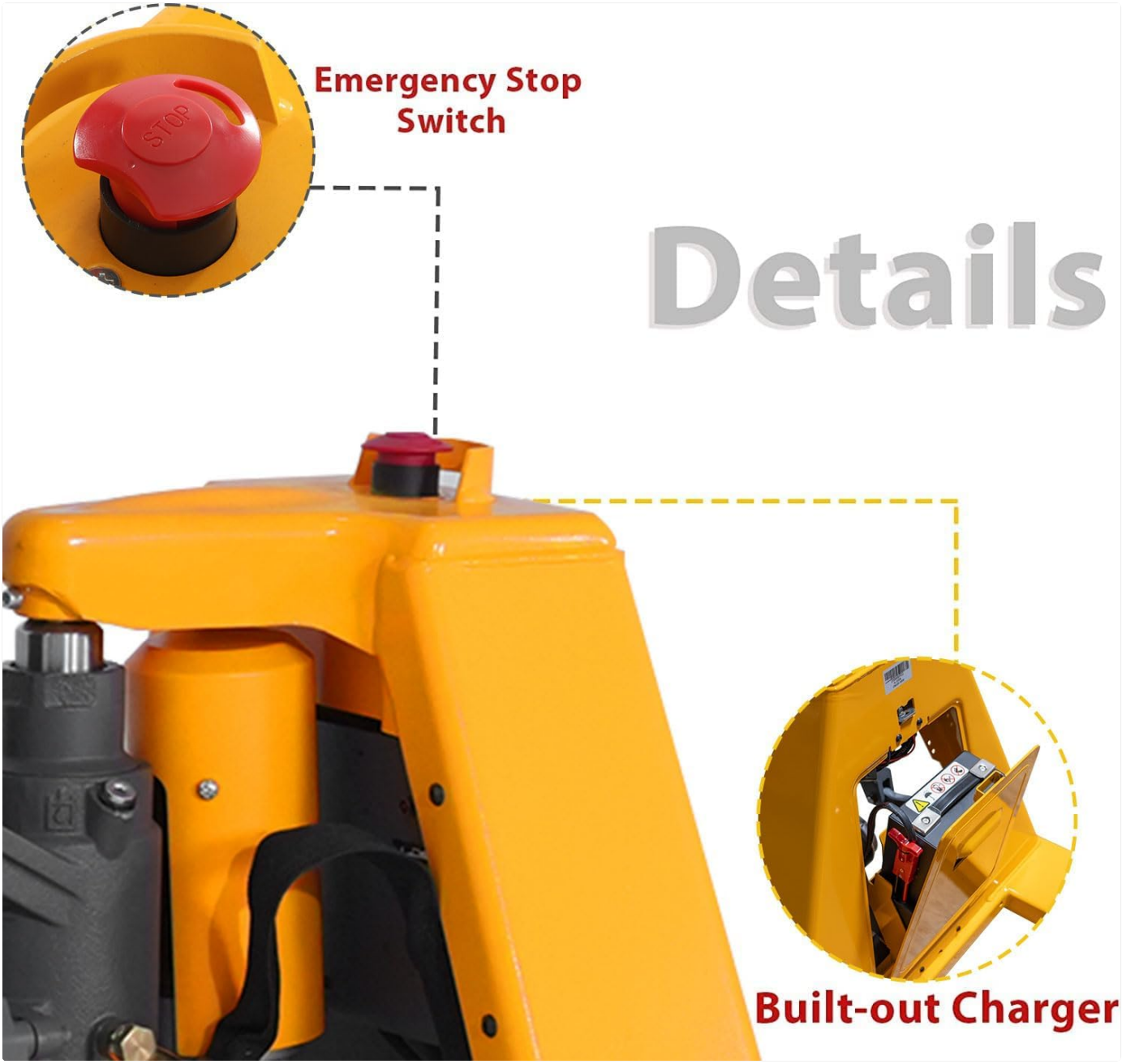


Image 3.1: Location of the Emergency Stop Switch and built-in charger port.

4. Setup and Initial Use

4.1 Unpacking and Assembly

The Xilin CBD15 Pallet Jack requires partial assembly, primarily the installation of the control handle.

1. Carefully remove all packaging materials.
2. Attach the control handle to the main unit according to the provided hardware. Ensure all connections are secure.

4.2 Battery Connection and Initial Charging

The unit comes with one battery installed and an additional battery. Before first use, the battery must be properly connected and charged.

1. **Access Battery Compartment:** Open the battery compartment. This is typically located on the side of the main unit.
2. **Initial Charge:** Locate the charging cable and connect it directly to the battery inside the compartment. The red connector visible externally is for connecting the battery to the pallet jack's power system, not for charging.

3. **Charge Duration:** Allow approximately 3 hours for a full charge. The charger indicator will show when charging is complete.
4. **Connect Battery to Pallet Jack:** Once charged, connect the red battery connector (power output) to the corresponding port on the pallet jack. Ensure a firm connection.
5. **Secure Compartment:** Close and secure the battery compartment.

The unit is now ready for operation.



Image 4.1: View of the battery compartment and connector.

5. Operating Instructions

5.1 Control Handle Functions

The integrated control handle provides all necessary functions for operating the pallet jack.

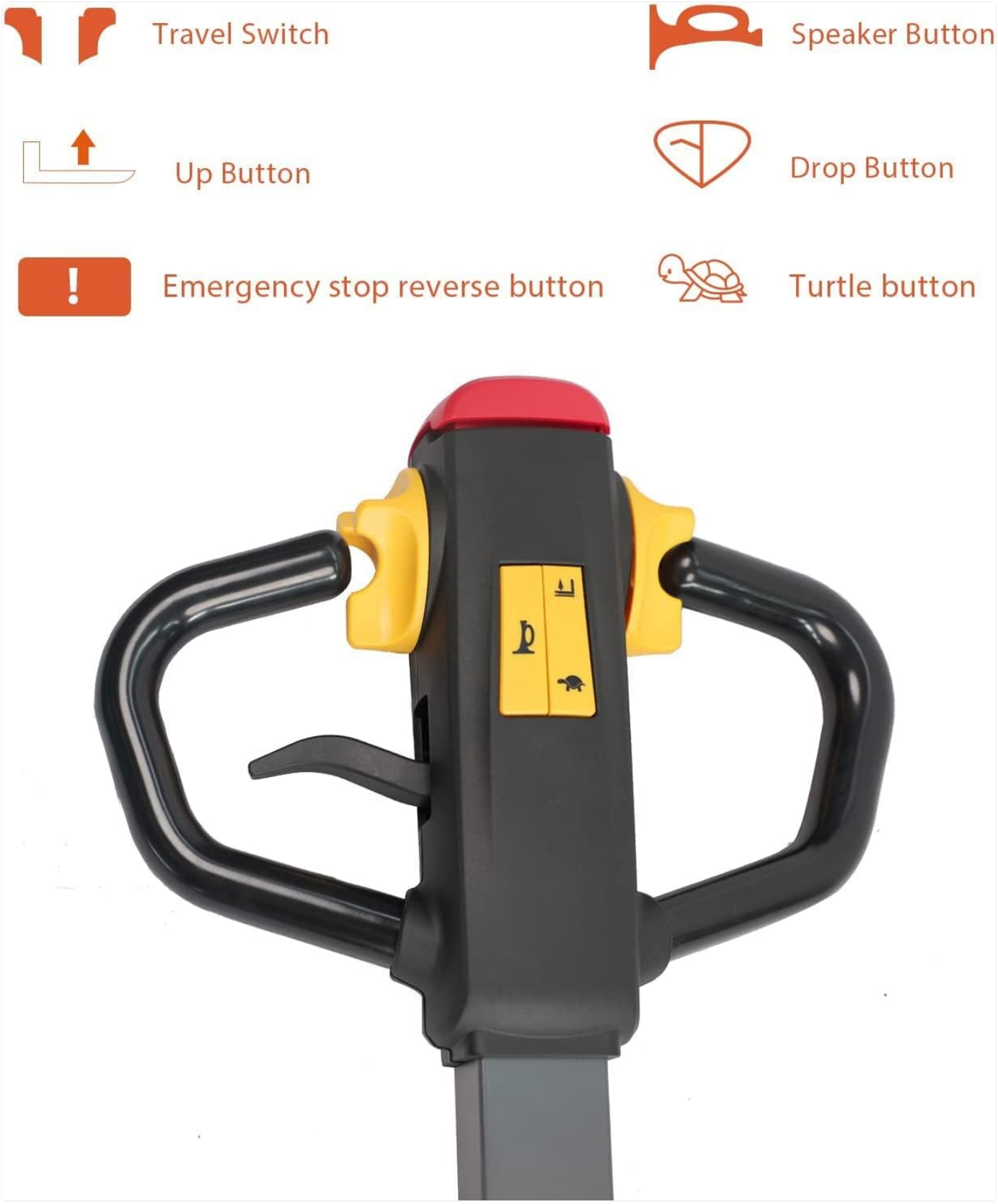


Image 5.1: Control handle with key operational buttons.

- **Travel Switch (Accelerator):** Located on the handle grips, this controls forward and reverse movement.
- **Speaker Button (Horn):** Activates the horn for warning others.
- **Up Button:** Raises the forks.
- **Drop Button:** Lowers the forks.
- **Emergency Stop Reverse Button:** A safety feature that, when pressed, immediately stops the pallet jack and reverses its direction slightly to prevent crushing the operator. This is the round red button on the handle. **Note:** To activate the pallet jack after an emergency stop, you may need to lift up on the round red button.

- **Turtle Button (Slow Speed Mode):** Engages a slower operating speed for precise maneuvering in tight spaces.
- **Coulomb Meter:** Displays the current battery charge level.

5.2 Starting and Moving

1. Ensure the emergency stop button is disengaged (pulled out).
2. Turn on the main power switch (if applicable, usually integrated with the key switch or emergency stop).
3. To move, gently press the travel switch (accelerator) in the desired direction.
4. To stop, release the travel switch. The pallet jack will brake automatically.

5.3 Lifting and Lowering Loads

1. Position the forks squarely under the pallet.
2. Press and hold the **Up Button** to raise the forks until the load is clear of the ground. The maximum lift height is 7.3 inches.
3. To lower the forks, press and hold the **Drop Button**. The forks will lower to a minimum height of 3.0 inches.
4. Always ensure the load is stable and centered on the forks before lifting or moving.



Image 5.2: Fork lift height illustration (3.0" lowered, 7.3" max lift).



Image 5.3: The pallet jack handling a load, demonstrating its 3300 lbs capacity.



Image 5.4: Operator using the Xilin electric pallet jack to move materials.

6. Battery Management and Charging

The Xilin CBD15 uses a 24V/20Ah lithium battery. The unit includes an extra battery to facilitate continuous operation.

- **Charging Time:** Approximately 3 hours for a full charge.
- **Working Time:** Approximately 3 hours per battery under normal operating conditions.
- **Continuous Operation:** With two batteries, one can be in use while the other charges, allowing for up to 24 hours of continuous operation.
- **Battery Level:** Monitor the battery level using the coulomb meter on the control handle.
- **Charging Procedure:** As described in Section 4.2, connect the charging cable directly to the battery within its compartment.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your pallet jack.

- **Daily Inspection:** Before each use, check for any visible damage, loose connections, or unusual wear on wheels, forks, and the control handle.
- **Cleaning:** Keep the pallet jack clean, especially the wheels and moving parts, to prevent debris from affecting performance.
- **Brushless Motor:** The brushless motor is designed for high efficiency and is largely maintenance-free. No regular brush replacement is required.
- **Hydraulic System:** Periodically check for hydraulic fluid leaks. Consult a qualified technician for any hydraulic system issues.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Fasteners:** Ensure all bolts and nuts are tightened securely.

8. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Pallet jack does not move.	Emergency stop button engaged. Battery not connected or discharged. Main power switch off.	Disengage (pull out) the emergency stop button. If it was pressed, you might need to lift it up to reset. Ensure battery is properly connected and charged. Turn on the main power switch.
Forks do not lift.	Overload. Low battery charge. Hydraulic system issue.	Reduce load to within 3300 lbs capacity. Charge the battery. Contact customer support for hydraulic inspection.
Pallet jack moves slowly or intermittently.	Turtle mode engaged. Low battery charge. Obstruction in wheels.	Disengage turtle mode. Charge the battery. Inspect and clear wheels of debris.

9. Specifications

Detailed technical specifications for the Xilin CBD15 Electric Pallet Jack.

Feature	Specification
Model	CBD15
Load Capacity	3300 lbs (1500 kg)
Fork Dimensions (L x W)	48" x 27"
Fork Width (Individual)	6.3"
Distance Between Forks (Inside)	14.37"

Feature	Specification
Fork Lowered Height	3.0"
Max. Lift Height	7.3"
Overall Length	63.8"
Overall Width	27"
Overall Height (Handle Up)	50.7"
Item Weight	270 lbs
Battery Type	Lithium-ion
Battery Capacity	24V/20Ah
Charging Time	Approx. 3 hours
Working Time (per battery)	Approx. 3 hours
Motor Type	Brushless
Wheel Type	Polyurethane



Image 9.1: Overall dimensions of the pallet jack.



Image 9.2: Detailed fork dimensions and thickness.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact Xilin customer support. Refer to your purchase documentation for specific warranty terms and contact details.
General customer support can be reached via the seller's contact information provided at the time of purchase or through the official Xilin website.

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