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› [JUSTHERO ECY-01 Foldable Electric Wheelchair User Manual](#)

JUSTHERO ECY-01

JUSTHERO ECY-01 Foldable Electric Wheelchair User Manual

Model: ECY-01 | Brand: JUSTHERO

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your JUSTHERO ECY-01 Foldable Electric Wheelchair. Please read this manual thoroughly before using the wheelchair to ensure proper function and user safety. Keep this manual for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions may result in injury or damage to the wheelchair.

- Always read and understand the entire user manual before operating the wheelchair.
- Consult with a healthcare professional to determine if this wheelchair is suitable for your specific needs.
- Do not exceed the maximum weight capacity of 350 lbs (158 kg).
- Ensure the wheelchair is fully unfolded and locked before use.
- Always use the seatbelt provided.
- Avoid operating the wheelchair on steep inclines exceeding 12 degrees.
- Exercise caution when operating near traffic, on uneven surfaces, or in wet conditions.
- Keep hands and clothing clear of moving parts.
- Only use the provided charger and battery.
- Do not attempt to repair or modify the wheelchair yourself. Contact customer support for assistance.

3. PRODUCT FEATURES

- **Lightweight Design:** Weighs only 36 lbs, making it easy to lift and transport.
- **One-Step Folding:** Conveniently folds for storage in vehicle trunks, ships, and airplanes.
- **Powerful Brushless Motors:** Equipped with 2x250W motors for a 350 lbs load capacity and up to a 12° climbing capability.
- **Long-Lasting Battery:** High-performance 12Ah lithium battery provides up to 15 miles of travel range on a 3-4 hour charge.
- **Intelligent Controller:** Features a 360-degree joystick, 5 speed levels, LED light, and USB/Type-C charging ports.
- **Humanized Design:** Controller can be mounted on the right or left armrest. Flip-up armrests and foldable footrest for easy access.
- **Safety Features:** Includes handbrake, seatbelt, and anti-tip wheels.
- **Puncture-Proof Tires:** Honeycomb structure PU solid tires for durability and low maintenance.

4. ASSEMBLY AND INITIAL SETUP

4.1 Unboxing and Initial Unfolding

Carefully remove the wheelchair from its packaging. Unfold the wheelchair by pulling the backrest upwards until it locks into place. Ensure all locking mechanisms are securely engaged before proceeding.



Video 4.1: Step-by-step guide on how to assemble the electric wheelchair from the box.

4.2 Battery Installation

Locate the battery storage bag and remove the battery. Slide the battery into the bracket located under the seat. Connect the power cord from the wheelchair to the battery's charging port.



Video 4.2: Instructions on how to install the battery into the wheelchair.

4.3 Controller Installation

Unscrew the pre-attached locking knob from the armrest. Mount the controller onto the armrest and secure it with the locking knob. Connect the controller cable to its corresponding cable on the wheelchair, ensuring the positioning stopper in the connector is correctly aligned.



Figure 4.3: Controller mounting options for left or right-hand use.

Video 4.3: Detailed instructions for installing the controller on either the left or right side.

4.4 Stabilizer Wheels Adjustment

The stabilizer wheels can be extended for increased stability. Pull the lock pin out, then pull the wheel out until the pin slides into the next hole, securing the wheel in the extended position. Repeat for the other stabilizer wheel.

Video 4.4: Guide on how to adjust the stabilizer wheels for optimal balance.

5. OPERATING YOUR WHEELCHAIR

5.1 Power On/Off and Braking

Press the power button on the controller to turn the wheelchair on. The auto-brake system engages automatically when powered on, preventing manual pushing. To allow manual pushing, turn off the power. The auto-brake will release, allowing the wheelchair to be pushed.

Video 5.1: Demonstrates switching between manual and auto-brake modes.

5.2 Charging the Battery

The wheelchair battery can be charged in two ways:

1. **Charge through Controller:** Connect the charger directly to the charging port on the controller. The charger light will turn red when charging.
2. **Remove Battery and Charge:** Remove the battery from its bracket under the seat. Connect the charger directly to the battery's charging port. The charger light will turn red when charging.



Two Methods of Charging Wheelchair

12Ah Battery Weight Only 4.8 LBS, Easy Remove from Wheelchair

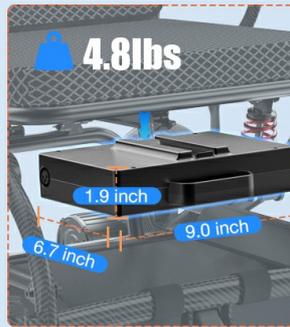


Figure 5.1: Two convenient methods for charging your wheelchair battery.

5.3 General Operation

- **Joystick Control:** Use the 360-degree joystick to control direction and movement.
- **Speed Adjustment:** Adjust the speed using the speed control buttons on the controller (5 levels available).
- **LED Light:** Activate the LED light for improved visibility in low-light conditions.
- **USB/Type-C Ports:** Use the integrated USB and Type-C ports on the controller to charge mobile devices.



15+ Miles Long Travel Range

0 Miles 5 Miles 8 Miles 15+ Miles

JUSTHERO Electric Wheelchair Meets All Your Daily Needs

Living Room Garden Hospital Airport

Figure 5.2: Overview of the intelligent joystick controller features.

6. MAINTENANCE AND CARE

- **Cleaning:** Wipe down the wheelchair frame and seat with a damp cloth. Avoid using abrasive cleaners.
- **Battery Care:** Charge the battery regularly, even if not in frequent use, to prolong its lifespan. Store the battery in a cool, dry place.
- **Tire Inspection:** Regularly check the puncture-proof tires for any signs of wear or damage.
- **General Inspection:** Periodically check all nuts, bolts, and connections to ensure they are secure.

7. TROUBLESHOOTING GUIDE

Issue	Possible Cause	Solution
Wheelchair does not power on	Battery not connected or discharged; Power button not pressed.	Ensure battery is properly connected and charged. Press the power button firmly.
Wheelchair does not move	Power is off; Joystick not engaged; Auto-brake engaged.	Turn on power. Ensure joystick is in neutral position. Check if auto-brake is released (power on).
Reduced travel range	Battery not fully charged; Battery degradation; Overloaded wheelchair.	Fully charge the battery. Consider battery replacement if old. Reduce load.
Unusual noises during operation	Loose components; Obstruction in wheels.	Inspect for loose parts and tighten. Clear any obstructions from wheels. If noise persists, contact support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	ECY-01
Weight	36 lbs
Max Load Capacity	350 lbs
Motors	2 x 250W Brushless Motors
Battery Type	12Ah Lithium Ion (4.8 lbs)
Charging Time	3-4 hours
Travel Range	Up to 15 miles
Max Climbing Angle	12°
Tires	Puncture-proof PU solid tires
Controller	360° Joystick with 5 speed levels, LED light, USB/Type-C ports

9. WARRANTY AND CUSTOMER SUPPORT

JUSTHERO offers the following warranty for your ECY-01 Electric Wheelchair:

- **1-Year Warranty:** Covers the controller, power unit, and battery against non-human damage.
- **2-Year Warranty:** Covers the electric wheelchair frame.

Each package includes 1 pre-assembled electric wheelchair, 1 user manual, 1 toolkit, 1 charger, and 1 LED light.

For any assistance, questions, or warranty claims, please contact JUSTHERO customer support through your purchase platform or the contact information provided in your product packaging.