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› VOCIC V55 Lightweight Foldable Electric Wheelchair Instruction Manual

VOCIC V55

VOCIC V55 Lightweight Foldable Electric Wheelchair User Manual

Model: V55

1. INTRODUCTION

Thank you for choosing the VOCIC V55 Lightweight Foldable Electric Wheelchair. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new electric wheelchair. Please read this manual thoroughly before initial use and keep it for future reference. Proper use and maintenance will ensure optimal performance and longevity of your device.



Image 1.1: The VOCIC V55 Electric Wheelchair, showcasing its compact and modern design.

2. SAFETY INFORMATION

Your safety is paramount. Please adhere to all safety guidelines to prevent injury or damage to the wheelchair.

- **Correct Address and Contact:** Ensure correct shipping address, phone number, and email are provided for delivery. Incorrect information may lead to delivery failure.
- **Initial Charging:** Charge the wheelchair for 6-8 hours before its first use.
- **Battery Maintenance:** If not used frequently, charge the battery once a month to maintain its health.
- **Power Connections:** Always ensure the power cable and controller plug are correctly connected as per instructions. Improper connection will prevent the wheelchair from starting.
- **Product Packaging Warnings:** Product packaging may contain information different from what is shown online. Always read the label, warnings, and instructions provided on the product before use or consumption.
- **Electronic Braking System:** The sensitive electronic braking system ensures safe driving uphill and downhill. Releasing the joystick will engage the brake.
- **Manual Brake:** Utilize the manual hand brake for additional safety and double protection.

- **Safety Belt and Anti-Tip Wheels:** Always use the safety belt and ensure anti-tip wheels are properly installed for increased safety during transport and operation.
- **Night Travel:** The frame is equipped with reflective films for enhanced visibility and safety during night travel.

3. PRODUCT COMPONENTS

The VOCIC V55 electric wheelchair is designed with several key components for user comfort, control, and safety.

- **Lightweight Aluminum Alloy Frame:** Provides durability and reduces overall weight.
- **360° Intelligent Joystick:** For easy and precise control.
- **Rear Control Button:** Allows an assistant to push the wheelchair in electric mode.
- **High-Quality Lithium Battery (24V/10AH):** Powers the wheelchair for extended range.
- **Dual 300W Motors (600W total):** Provides powerful and quiet operation.
- **Electronic Braking System:** For immediate and secure stopping.
- **Manual Hand Brake:** Additional braking mechanism.
- **Anti-Tip Wheels:** Enhances stability and prevents tipping.
- **Safety Belt:** Secures the user in the seat.
- **3cm Thick Cushions:** For enhanced seating comfort.
- **Foldable Footrests:** Provides foot support and folds for compactness.
- **90° Rotatable Armrests:** Facilitates easier transfers.
- **Backrest Pockets:** Convenient storage.
- **PU Tires:** Durable and suitable for various terrains.



Image 3.1: Key components of the VOCIC V55, highlighting the powerful motor, comfortable cushion, durable tires, and convenient backrest pocket.

4. SETUP

The VOCIC V55 wheelchair comes pre-installed, requiring only a few simple steps for full setup.

1. **Unpacking:** Carefully remove the wheelchair from its packaging.
2. **Unfolding:** Unfold the wheelchair by following the quick folding mechanism. The design allows for rapid unfolding in approximately 3 seconds.
3. **Battery Installation/Connection:** Ensure the battery is securely connected. The battery is integrated, but ensure all power connections are firm.
4. **Joystick Attachment:** Attach the 360° intelligent joystick to the desired side (left or right) of the armrest. Ensure it clicks securely into place.
5. **Footrest Adjustment:** Adjust the foldable footrests to a comfortable position.
6. **Initial Charge:** Before first use, fully charge the battery for 6-8 hours. Connect the charger to the charging port located at the bottom of the controller.



Image 4.1: Visual guide for folding the wheelchair and placing it into a vehicle trunk.

5. OPERATING INSTRUCTIONS

5.1. Using the 360° Intelligent Joystick

The joystick provides intuitive control over the wheelchair's movement and speed.

- **Power On/Off:** Press the power button on the joystick to turn the wheelchair on or off.
- **Movement:** Gently push the joystick in the desired direction (forward, backward, left, right) to move the wheelchair.
- **Speed Adjustment:** Use the speed adjustment buttons (+/-) on the joystick to select one of the 5 available speed levels. The current speed and battery level are displayed on the improved controller screen.
- **Braking:** Release the joystick to engage the electronic braking system, bringing the wheelchair to a smooth stop. For immediate stopping, use the manual hand brake.
- **Horn:** Press the horn button for safety warnings.



Image 5.1: Overview of the 360° intelligent joystick and its functions.

5.2. Using the Rear Control

The rear control allows an attendant to easily maneuver the wheelchair in electric mode.

- **Activation:** The rear control button is located on the right side of the wheelchair handle.
- **Movement:** Gently press the button to propel the wheelchair forward. This significantly reduces the effort required by caregivers.



Image 5.2: Demonstrating the use of the intelligent rear control for assisted movement.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your VOCIC V55 wheelchair.

- **Battery Charging:** Charge the battery for 6-8 hours for the first use. If the wheelchair is not used frequently, it is recommended to charge the battery once a month to prevent deep discharge and prolong battery life.
- **Cleaning:** Regularly wipe down the frame and components with a damp cloth. Avoid using abrasive cleaners or excessive water.
- **Tire Inspection:** Check the PU tires periodically for wear and tear. While anti-puncture, ensure they are free from debris that could affect performance.
- **Component Check:** Periodically inspect all bolts, screws, and connections to ensure they are tight and secure.
- **Storage:** Store the wheelchair in a dry, cool place when not in use. If storing for an extended period, ensure the battery is charged to at least 50%.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Wheelchair does not power on:**
 - Check if the battery is charged.
 - Ensure the power cable and controller plug are correctly and securely connected.
 - Verify the power button on the joystick is pressed.
- **Wheelchair moves erratically or not as expected:**
 - Ensure the joystick is fully engaged in the desired direction.
 - Check for any obstructions around the wheels.
 - If using rear control, ensure the button is pressed consistently.
- **Reduced range or power:**
 - The battery may need a full charge.
 - Battery performance can decrease over time; consider battery replacement if significantly degraded.
- **Folding/Unfolding is stiff:**
 - Ensure all locking mechanisms are disengaged.
 - Lubricate moving parts if necessary (consult customer service for recommended lubricants).

If you encounter any issues not listed here or if troubleshooting steps do not resolve the problem, please contact VOCIC customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VOCIC V55 Electric Wheelchair:

Feature	Specification
Product Size (Unfolded)	114 x 62 x 93 cm
Folding Size	70 x 62 x 30 cm
Net Weight	21.5 kg
Max Capacity	136 kg

Feature	Specification
Travel Range	20 km
Maximum Speed	6 km/h
Turning Radius	57 cm
Seat Depth	40 cm
Seat Height	48 cm
Backrest (L*W)	55 x 46 cm
Battery Parameter	24V/10AH Lithium Battery
Motor	600W Brushless Motor (Dual 300W)
Brake System	Electronic Brake
Charger	24V 2A
Frame Material	Aluminum Alloy
Foot Pedal	90° Flippable
Front Wheel	20 cm Honeycomb Tire
Rear Wheel	25 cm Solid Tires



Image 8.1: Dimensional overview of the VOCIC V55 electric wheelchair.

9. WARRANTY AND SUPPORT

VOCIC is committed to providing excellent customer service and product reliability.

- **Warranty:** VOCIC offers an extended 5-year warranty for every customer. If you encounter any damage

issues during the warranty period, please contact us for free parts replacement or product exchange.

- **Customer Support:** Our professional after-sales team is available to assist you. All issues will be resolved within 24 hours.
- **Contact:** If you receive damaged parts or experience installation problems, please contact VOCIC customer service immediately for a satisfactory solution.



Image 9.1: VOCIC's commitment to customer support and warranty.