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› VELECO ZT16 3-Wheel Mobility Scooter User Manual

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Model: ZT16

1. INTRODUCTION AND SAFETY GUIDELINES

Thank you for choosing the VELECO ZT16 3-Wheel Mobility Scooter. This manual provides essential information for the safe operation, maintenance, and care of your scooter. Please read this manual thoroughly before operating the scooter to ensure your safety and the longevity of the product.

Important Safety Information:

- Always wear appropriate safety gear, including a helmet, when operating the scooter.
- Do not exceed the maximum weight capacity of 120 kg (264 lbs).
- Operate the scooter only on suitable surfaces. Avoid steep inclines, uneven terrain, or slippery conditions.
- Ensure all components are securely fastened before each use.
- Keep hands and feet clear of moving parts.
- Do not operate the scooter under the influence of alcohol or drugs.
- Familiarize yourself with the braking system and practice braking in a safe area.
- Always turn off the scooter and remove the key when not in use or when charging.

2. PRODUCT OVERVIEW AND COMPONENTS

The VELECO ZT16 is a robust 3-wheel electric mobility scooter designed for ease of use and maneuverability. Below are the key components of your scooter.



Figure 2.1: Overall view of the VELECO ZT16 mobility scooter, showcasing its red frame, three wheels, comfortable seat, handlebars, and front basket.



Figure 2.2: Front view of the VELECO ZT16 mobility scooter, highlighting the single front wheel, handlebars, and headlight assembly.



Figure 2.3: Close-up view of the scooter's headlight, showing the bright LED lights for improved visibility.



Figure 2.4: Detailed view of the front wheel assembly, including the hub motor and braking mechanism.



Figure 2.5: Close-up of the foot pedal, which may be used for certain controls or as a footrest.

Key Components:

- **Handlebars:** For steering and control.
- **Throttle:** Controls speed.
- **Brake Levers:** Activates front and rear brakes.
- **Seat:** Adjustable for comfort.
- **Foot Platform:** Provides stable footing.
- **Front Basket:** Removable for storage.
- **Headlight:** For illumination and visibility.
- **Charging Port:** For connecting the charger.
- **Ignition Key:** To turn the scooter on/off.

3. SETUP AND INITIAL PREPARATION

Your VELECO ZT16 scooter is delivered fully assembled and ready to use. However, a few steps are necessary

before your first ride.

1. **Unpacking:** Carefully remove the scooter from its packaging. Retain packaging for future transport or storage if needed.
2. **Initial Charge:** Before first use, fully charge the battery. Refer to the "Charging the Battery" section for detailed instructions.
3. **Seat Adjustment:** Adjust the seat height and position for comfortable and safe operation. Ensure the seat is securely locked in place.
4. **Basket Attachment:** If not already attached, secure the removable shopping basket to the designated area.
5. **Tire Pressure Check:** Verify that the tires are inflated to the recommended pressure. Refer to the "Maintenance" section for details.
6. **Brake Check:** Test both front and rear brakes to ensure they are functioning correctly before riding.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your VELECO ZT16 mobility scooter.

1. **Starting the Scooter:** Insert the ignition key into the key slot and turn it to the "ON" position. The display panel should illuminate.
2. **Seating Position:** Sit comfortably on the seat with both feet on the foot platform.
3. **Throttle Control:** Gently twist the throttle on the right handlebar to accelerate. The scooter will move forward. Release the throttle to slow down.
4. **Braking:** To stop, release the throttle and gently squeeze the brake levers on the handlebars. Apply both brakes simultaneously for optimal stopping power.
5. **Steering:** Use the handlebars to steer the scooter in the desired direction.
6. **Headlight Operation:** Locate the headlight switch (usually on the handlebars) to turn the headlight on or off for visibility.
7. **Parking:** When parking, ensure the scooter is on a stable, level surface. Turn the ignition key to the "OFF" position and remove the key. Engage the parking brake if available and necessary.

Charging the Battery:

To charge the scooter's battery:

- Ensure the scooter is turned off and the key is removed.
- Locate the charging port, typically near the battery compartment.
- Connect the charger to the charging port, then plug the charger into a standard electrical outlet.
- The charger's indicator light will show the charging status (e.g., red for charging, green for fully charged).
- Charging time is approximately 6-8 hours for a full charge. Do not overcharge.
- Once fully charged, disconnect the charger from the outlet first, then from the scooter.

5. MAINTENANCE AND CARE

Regular maintenance ensures the optimal performance and longevity of your VELECO ZT16 scooter.

- **Cleaning:** Wipe down the scooter with a damp cloth. Avoid using harsh chemicals or direct water spray.
- **Tire Pressure:** Regularly check tire pressure. The recommended pressure for the front tire (16x2.5") and rear tires (12.5x2.25") should be maintained as specified on the tire sidewall or in the specifications section. Proper

inflation improves ride quality and battery range.

- **Brake Inspection:** Periodically inspect brake cables and pads for wear. Adjust or replace as necessary.
- **Battery Care:**
 - Charge the battery after each use, even if only for a short period.
 - If storing the scooter for an extended period, ensure the battery is fully charged and recharge it monthly.
 - Store the scooter and battery in a cool, dry place.
- **Fastener Check:** Periodically check all nuts, bolts, and fasteners to ensure they are tight.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your scooter.

Problem	Possible Cause	Solution
Scooter does not turn on.	Battery is low or dead; Key not fully inserted or turned.	Charge the battery; Ensure key is fully inserted and turned to "ON".
Scooter loses power or slows down.	Low battery charge; Overloaded; Steep incline.	Recharge battery; Reduce load; Avoid steep inclines.
Brakes feel weak.	Brake cables need adjustment; Worn brake pads.	Adjust brake cables; Inspect and replace brake pads if worn.
Unusual noises during operation.	Loose fasteners; Debris in wheels; Motor issue.	Check all fasteners; Inspect wheels for debris; Contact customer support if motor noise persists.
Tires losing air quickly.	Puncture; Loose valve stem.	Inspect for punctures and repair; Tighten valve stem.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact VELECO customer support.

7. SPECIFICATIONS

Technical specifications for the VELECO ZT16 Mobility Scooter.

Feature	Detail
Model Name	VELECO ZT16
Motor Power	750 W
Motor Voltage	48V
Max. Speed	12 km/h (7.5 mph)
Max. Range	25-30 km (15-19 miles)
Max. Load Weight	120 kg (264 lbs)
Dimensions (L x W x H)	130 x 68 x 125 cm (51.2 x 26.8 x 49.2 inches)
Brakes	Front: Drum, Rear: Disc

Feature	Detail
Front Wheel Size	16 x 2.5 inches
Rear Wheel Size	12.5 x 2.25 inches
Tire Type	Inflated Pneumatic Tires
Battery Type	4x 12 Ah / 48 V Lead-Acid
Charging Time	6-8 hours
Scooter Weight	51 kg (112 lbs)
Seat Width	46 cm (18.1 inches)
Seat Depth	46 cm (18.1 inches)
Material	Plastic (body components)
Color	Red

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not provided in the available product data. For warranty details, technical assistance, or to purchase replacement parts, please refer to the documentation included with your purchase or contact VELECO directly through their official website or customer service channels. Please retain your proof of purchase for any warranty claims.