

Tomofree K7 PRO

Tomofree K7 PRO 3-Wheel Foldable Electric Mobility Scooter

USER MANUAL

1. Safety Guidelines

Please read and understand all safety instructions before operating the Tomofree K7 PRO scooter. Failure to follow these instructions may result in injury or damage to the product.

- **Cargo Weight Distribution:** Always maintain cargo weight within ± 15 cm of the centerline to prevent lateral instability.
- **Cornering Speed:** The recommended maximum cornering speed is ≤ 8 mph. Reduce speed significantly when turning.
- **Pre-Ride Check:** Before each use, ensure all components are securely fastened, tires are properly inflated, and brakes are functioning correctly.
- **Protective Gear:** Always wear a helmet and other appropriate protective gear (e.g., knee pads, elbow pads) when operating the scooter.
- **Environmental Conditions:** Avoid riding in heavy rain, snow, or on icy surfaces. The scooter is designed for urban and light off-road use.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 220 pounds.

2. Product Overview

The Tomofree K7 PRO is a 3-wheel foldable electric mobility scooter designed for adults, offering a blend of portability, stability, and comfort. It features a lightweight aluminum alloy frame, a powerful 400W brushless motor, and a long-lasting lithium-ion battery.

Key Features:

- **Ultra-Portable Design:** Crafted from aviation-grade aluminum alloy, weighing approximately 42 lbs, and folds to a compact size (32"x18"x22") in 10 seconds.
- **Stable Trio-Wheel System:** Features a scratch-resistant triangular frame for enhanced stability.

- **Powerful Motor:** Peak 400W Brushless Motor for efficient performance and a top speed of 15 mph.
- **Long-Range Battery:** 270Wh (36V 7.5Ah) lithium-ion battery providing a tested range of 15.5 miles on a single charge, with 3-4.5 hours fast charging.
- **Comfortable Ride:** Equipped with 3 premium 10-inch city tires, an ergonomic dual-spring suspension system, and thick, cushioned seat padding for shock absorption.
- **Intuitive Controls:** Smart handlebar system with an HD display showing real-time battery level, speed, and mileage data, plus forward/reverse buttons and gear shift.



Figure 2.1: General view of the Tomofree K7 PRO scooter.

400W Rear Motor Top Speed 15MPH

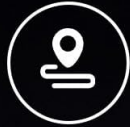


Figure 2.2: Exploded view illustrating the 400W Rear Motor, capable of speeds up to 15 MPH.

36V 7.5AH Lithium Battery



3-4.5H
Fast Charging



12-19 Miles
Range



Figure 2.3: Transparent view of the scooter frame highlighting the integrated 36V 7.5Ah Lithium Battery, offering 3-4.5 hours fast charging and 12-19 miles range.

5-fold shock absorption system



Figure 2.4: Transparent view detailing the 5-fold shock absorption system, including damping seat, seat package spring, YDS spring damping, and shock-absorbing tires.

10" Off-Road Tires



Figure 2.5: Close-up view of the 10-inch Off-Road Tires, designed for various terrains.

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Video 2.1: Official product video showcasing the Tomofree Electric Mobility Scooter's comfort and compact design.

3. Setup

The Tomofree K7 PRO electric scooter ships fully assembled. Follow these steps for initial preparation:

1. **Unboxing:** Carefully remove the scooter from its packaging.
2. **Unfolding:** The scooter features a 3-step folding system. Unfold the scooter by following the sequence indicated in the diagram below until it locks into its riding position. Ensure all locking mechanisms are engaged before use.
3. **Initial Charge:** Before first use, fully charge the battery. Connect the charger to the scooter's charging port and then to a power outlet. The indicator light on the charger will change when charging is complete.

3-Step Folding System Convenient and Quick

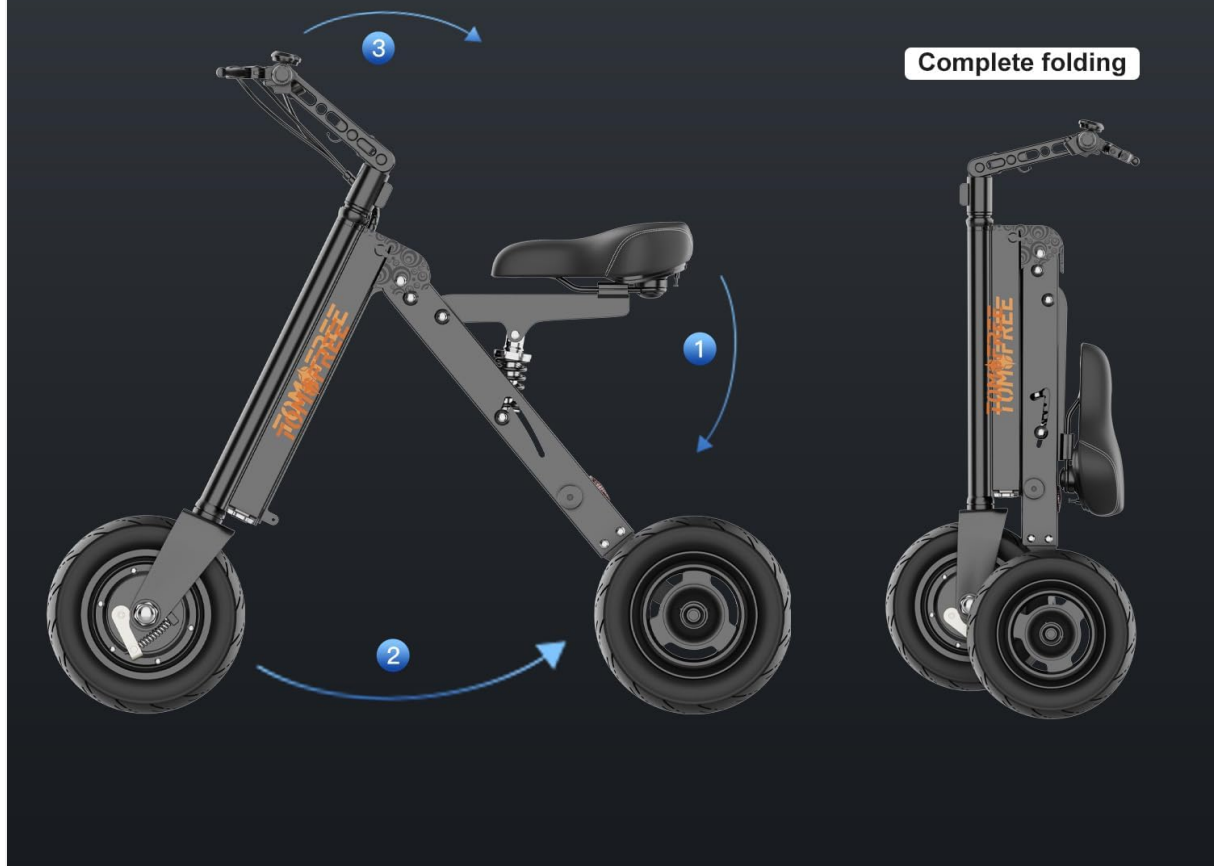


Figure 3.1: Visual guide for the 3-Step Folding System, demonstrating how to unfold the scooter for use.

4. Operating Instructions

Familiarize yourself with the controls before riding.

4.1 Power On/Off

- **To Power On:** Insert the key into the ignition and turn it to the 'ON' position. The HD display will illuminate.
- **To Power Off:** Turn the key to the 'OFF' position and remove it.

4.2 Speed Modes

The scooter offers three-speed versatility, adjustable via buttons on the left handlebar:

- **Mode I (Low Speed):** Approximately 2 mph (6 km/h), suitable for turning and crowded areas.
- **Mode II (Medium Speed):** Approximately 6 mph (12 km/h), ideal for daily driving.
- **Mode III (High Speed):** Approximately 15 mph (15.5 mph / 25 km/h), for open areas. Exercise caution at high speeds.

4.3 Reverse Function

To engage reverse, simply hold the designated button on the handlebar. Release the button to return to forward motion.

4.4 HD Display

The HD display on the handlebar provides essential real-time information:

- Battery Level
- Current Speed
- Total Mileage (ODO)
- Trip Distance (TRIP)

4.5 Throttle and Braking

- **Throttle:** The full-twist throttle on the right handlebar controls acceleration. Twist gently to increase speed.
- **Braking:** The scooter is equipped with a front drum brake. Apply the brake lever on the handlebar smoothly to slow down or stop.



Figure 4.1: Left Handlebar controls, showing the three-speed adjustment buttons (I, II, III).

98% Aviation-Grade Aluminum Alloy



Max Load
220.5lbs



Lightweight
30.9lbs



Figure 4.2: Right Handlebar featuring the HD display for battery, speed, and mileage, along with the twist throttle.

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Video 4.1: Official product video demonstrating the K7 PRO 3-Wheel Scooter in use, highlighting its maneuverability and features.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Tomofree K7 PRO scooter.

- **Battery Care:** Perform a monthly full discharge/charge cycle for battery calibration to extend battery life and maintain performance. Avoid completely draining the battery for extended periods.
- **Cleaning:** Wipe down the scooter with a damp cloth. Avoid using high-pressure water jets or harsh chemicals, which can damage electrical components.
- **Tire Inspection:** Regularly check tire pressure and for any signs of wear or damage. Ensure tires are properly inflated for a safe and comfortable ride.
- **Fastener Check:** Periodically inspect all bolts and fasteners to ensure they are tight.

6. Troubleshooting

If you encounter any issues with your Tomofree K7 PRO scooter, please refer to the following general

troubleshooting tips. For more complex problems, contact customer support.

- **Scooter Not Powering On:** Check if the battery is charged and the key is fully inserted and turned to the 'ON' position.
- **Loss of Power/Reduced Range:** Ensure the battery is fully charged. Extreme temperatures can affect battery performance.
- **Unusual Noises:** Inspect for loose parts or obstructions around the wheels and motor.
- **Brake Issues:** Check brake lever tension and ensure the brake mechanism is free of debris.

7. Specifications

Feature	Specification
Model Name	K7 PRO
Product Dimensions (Unfolded)	41.3"D x 18.7"W x 37.8"H
Folded Dimensions	32"x18"x22" (approximate)
Item Weight	42 lbs (approximate)
Maximum Weight Recommendation	220 Pounds
Motor	Peak 400W Brushless Rear Motor
Maximum Speed	15.5 Miles per Hour
Battery	36V 7.5Ah Lithium-ion (270Wh)
Charging Time	3-4.5 Hours
Range per Charge	Up to 15.5 Miles
Frame Material	Aluminum Alloy
Wheel Size	10 Inches
Wheel Type	Solid
Brake Style	Front Drum Brake
Handle Type	Handlebar with Buttons
Turn Radius	36 Inches

8. Warranty and Support

Tomofree is committed to providing quality products and excellent customer service.

8.1 Warranty Information

The Tomofree K7 PRO scooter comes with a **1-year warranty** on core components. This warranty covers manufacturing defects under normal use. It excludes accidents, misuse, and normal wear and tear.

To Claim Warranty: Contact Tomofree customer support with your order number, a detailed description of the issue, and supporting photos or videos of the defect. This warranty does not affect your statutory rights.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our customer support team:

- **Phone:** +1-518-614-6355
- **Email:** Service@tomofree.com
- Our customer support is available 24/7.