

## WEELMOTION E2 Ranger (S31)

# WEELMOTION E2 Ranger Kids Electric Scooter User Manual

Model: E2 Ranger (S31)

Brand: WEELMOTION

## 1. INTRODUCTION

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This user manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your WEELMOTION E2 Ranger Kids Electric Scooter. Please read this manual thoroughly before first use to ensure proper function and safety.



Image: The WEELMOTION E2 Ranger Kids Electric Scooter in both unfolded and folded configurations, highlighting its front LED lights and the vibrant multicolor lighting on the deck.

## 2. SAFETY INFORMATION

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Operating an electric scooter carries inherent risks. Always prioritize safety by following these guidelines:

- Always wear a helmet and appropriate protective gear (knee pads, elbow pads) when riding.
- Ensure the scooter is fully charged and all components are securely fastened before each ride.
- Do not ride in wet conditions, on uneven surfaces, or in heavy traffic.
- Maintain a safe distance from other riders, pedestrians, and obstacles.
- Adhere to local laws and regulations regarding electric scooter use.
- The scooter features a **Push Start** function. The acceleration throttle activates only after the scooter reaches approximately 3 km/h.
- Supported Weight: Minimum 40 lbs - Maximum 175 lbs.
- Multiple security measures are incorporated, including Overheat Protection, Over Charge Protection, Short Circuit

Protection, and a Fire Protection Shell.

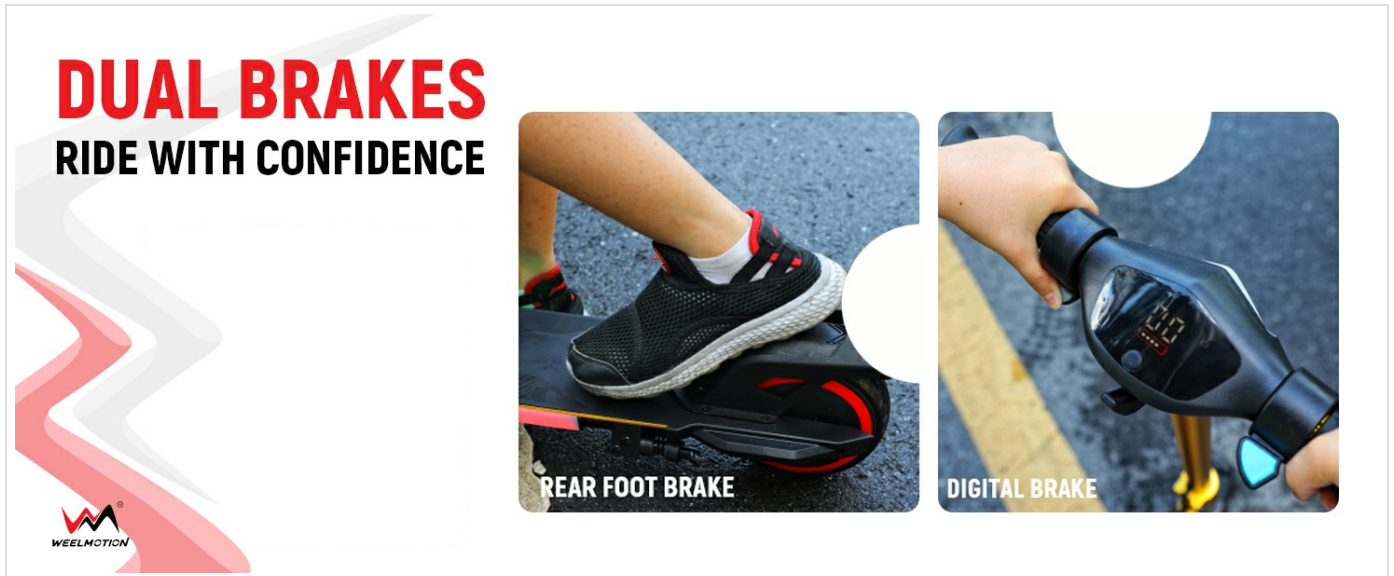


Image: Illustration of the dual brake system, featuring both a rear foot brake and a digital electronic brake lever for enhanced safety.

### 3. ASSEMBLY

The WEELMOTION E2 Ranger scooter is designed for easy assembly. Typically, this involves attaching the handlebar to the main stem and ensuring all connections are secure.

1. Carefully remove all components from the packaging.
2. Unfold the scooter frame until it locks into the upright position.
3. Attach the handlebar assembly to the main stem, ensuring the locking mechanism is fully engaged.
4. Verify all screws and fasteners are tightened before use.



Image: Visual representation of the scooter's foldable design, illustrating the transition from folded to unfolded states, along with dimensions.

### 4. SETUP AND CHARGING

Before your first ride, ensure the scooter's battery is fully charged.

- Locate the charging port, typically near the battery compartment on the deck.

- Connect the charger to the scooter and then to a standard power outlet.
- The charging indicator on the charger will change (e.g., red to green) when charging is complete.
- Do not overcharge the battery. Disconnect the charger once fully charged.

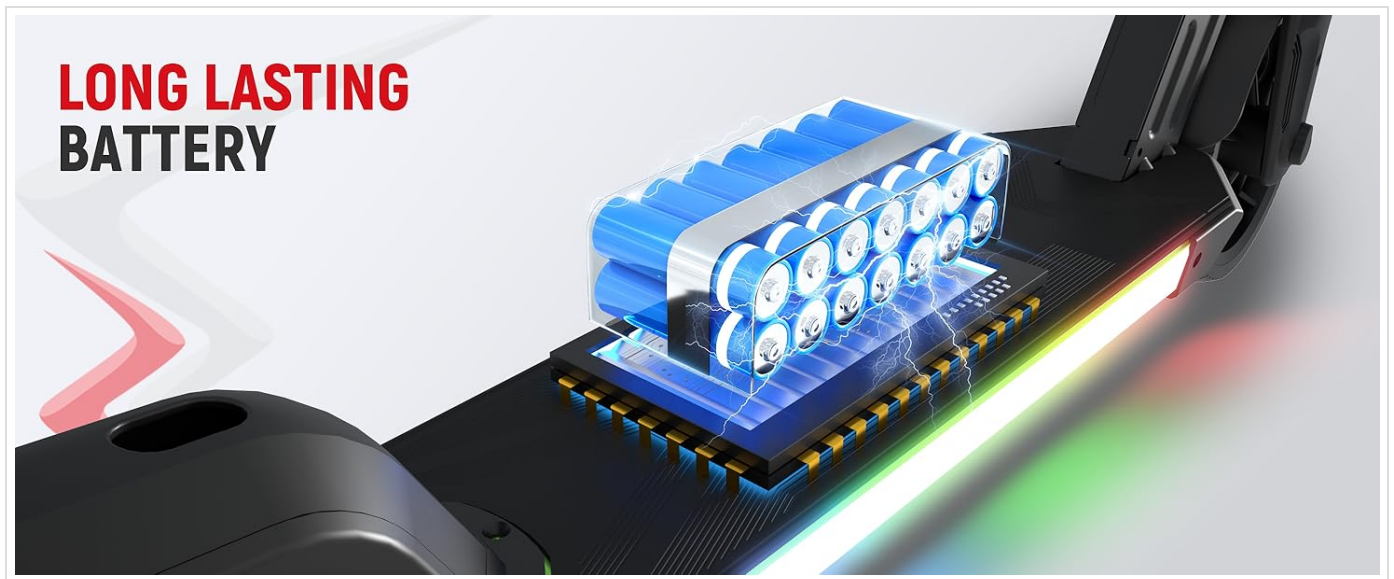


Image: An internal view illustrating the scooter's long-lasting lithium-ion battery pack, emphasizing its power source.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Controls and Display

Familiarize yourself with the scooter's controls and digital display before riding.



# DIGITAL DISPLAY

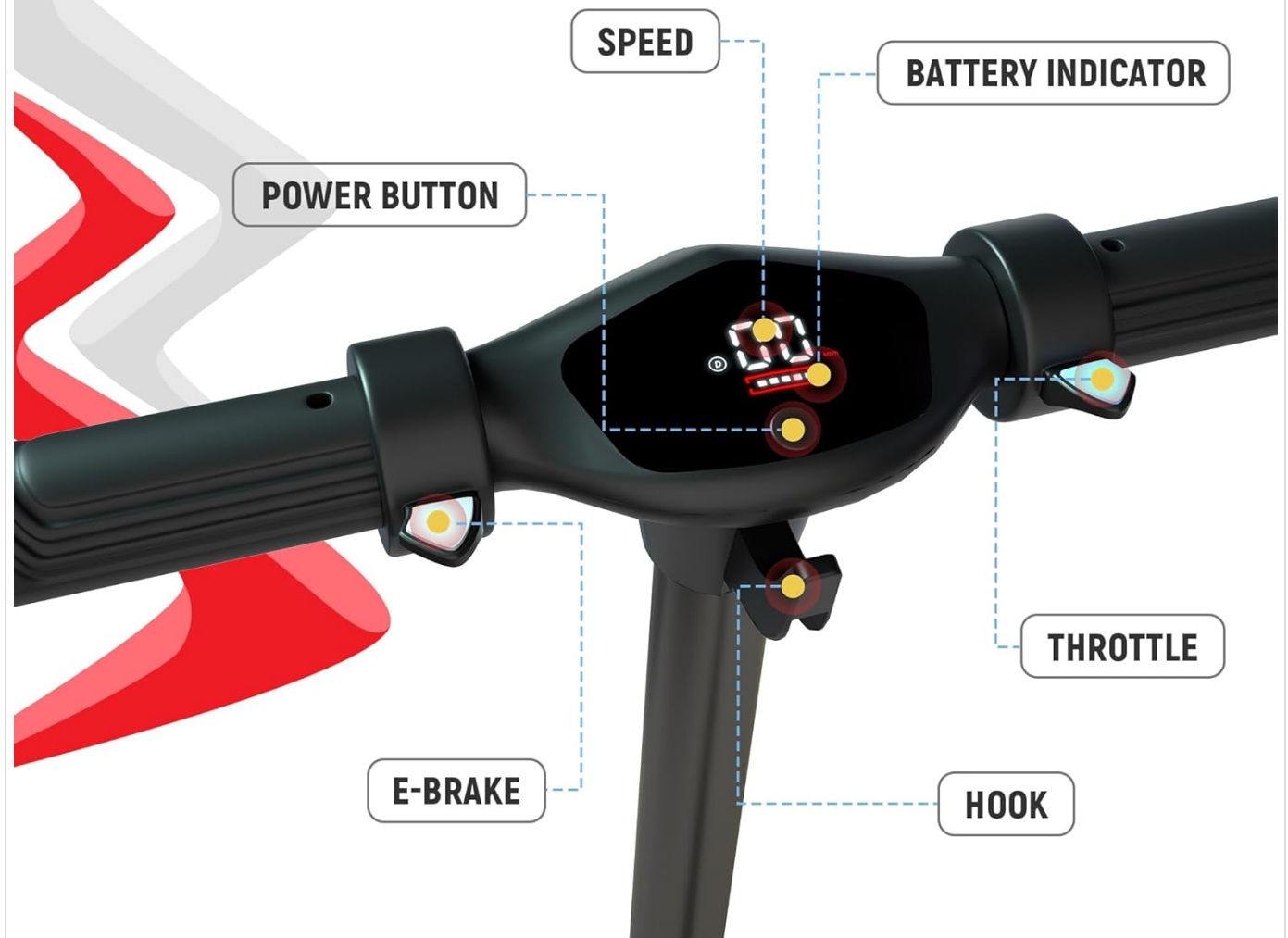


Image: Close-up of the scooter's digital display, indicating speed, battery level, and the locations of the power button, throttle, electronic brake, and hook.

- **Power Button:** Press to turn on/off.
- **Digital Display:** Shows current speed and battery level.
- **Throttle:** Right-hand thumb lever to accelerate (activates after push start).
- **E-Brake:** Left-hand thumb lever for electronic braking.
- **Hook:** For securing the scooter when folded.

To switch the default speed unit (km/h), press the power button 3 times after turning on the scooter.

## 5.2 Riding Procedure (Push Start)

For rider safety, this scooter features a Push Start function. The acceleration throttle will only engage and activate the motor once the scooter reaches a speed of approximately 3 km/h.

1. **Step 1:** Turn on your scooter using the power button.
2. **Step 2:** Place one foot on the deck. Propel forward manually by pushing with the other foot to gain initial

momentum.

3. **Step 3:** When the scooter reaches approximately 3 km/h, use your right-hand thumb to gently push down the throttle.
4. **Step 4:** Once the scooter starts to coast under power, place both feet onto the deck and continue riding.



Image: A step-by-step visual guide demonstrating the "Push Start" method for initiating movement on the electric scooter.

### 5.3 Braking

The scooter is equipped with dual braking systems for maximum safety:

- **Front Electronic Brake:** Press down gently with the left-hand thumb lever for quick stops. Apply more pressure for a complete stop.
- **Rear Fender Brake:** Offers additional safety. Press down gently with your rear riding foot on the fender to slow down.

### 5.4 Lighting Features

The WEELMOTION E2 Ranger features integrated lighting for visibility and style:

- **Front Headlight:** Provides illumination for the path ahead.
- **Bar Lights:** Integrated lights on the handlebar for enhanced visibility.
- **Multicolor Lighting Pad (RGB Paddle Lights):** Dynamic lights on the deck for increased visibility and aesthetic appeal.





Image: The WEELMOTION E2 Ranger Kids Electric Scooter with its bright front LED headlight illuminated, providing visibility.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your scooter.

- **Cleaning:** Wipe the scooter with a damp cloth. Do not use high-pressure water or immerse in water.
- **Tires:** The scooter uses 6.5-inch solid tires, which do not require inflation. Regularly inspect for wear and tear.
- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Store in a cool, dry place.
- **Fasteners:** Periodically check all screws and bolts to ensure they are tight.
- **Storage:** Store the scooter in a dry environment, away from direct sunlight and extreme temperatures.



Image: A close-up view of a foot positioned on the non-slip pedal of the scooter, highlighting the texture and design for secure footing.

## 7. TROUBLESHOOTING

If you encounter issues with your scooter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scooter does not turn on.	Low battery; Power button not pressed correctly.	Charge the battery; Press and hold the power button firmly.
Motor does not engage after pushing off.	Speed not reaching 3 km/h; Throttle not engaged.	Ensure sufficient push-off speed; Gently press the throttle after reaching speed.
Reduced range or speed.	Low battery charge; Rider weight exceeds limit; Uphill riding; Headwind.	Fully charge battery; Ensure rider is within weight limit; Avoid steep inclines.
Handlebar feels loose.	Fasteners are loose.	Tighten all handlebar and stem fasteners. Refer to assembly instructions.

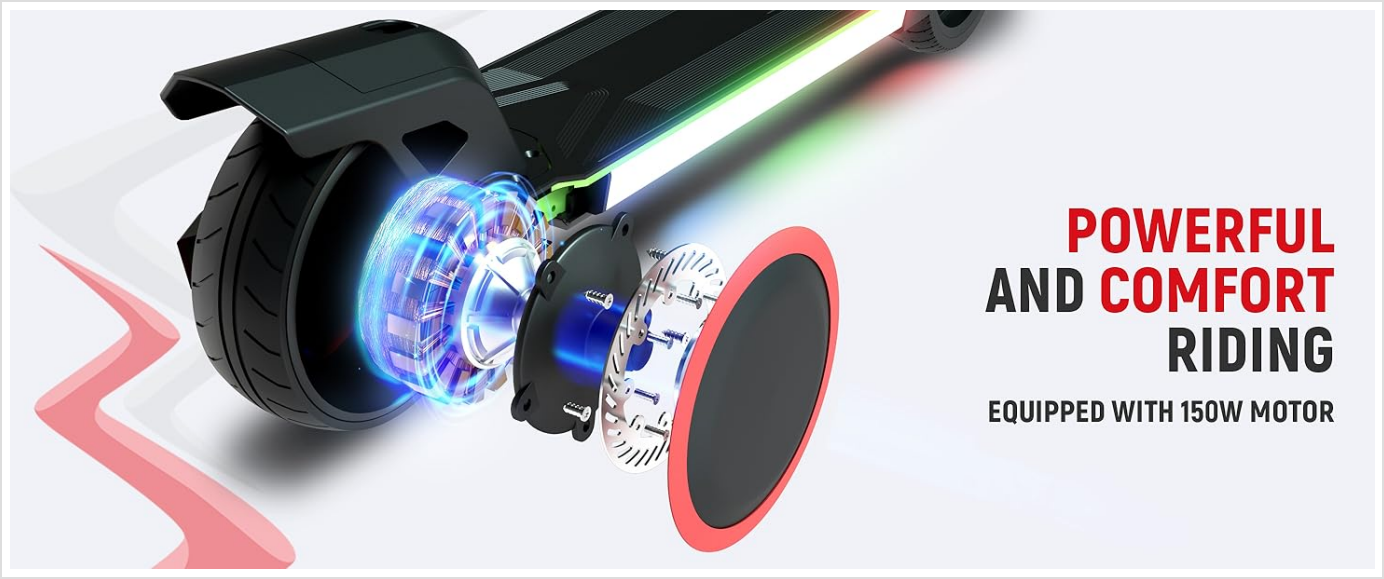
If the problem persists, please contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	E2 Ranger (S31)
Motor Power	150W
Max Speed	Up to 16 km/hr (10 mph)
Max Range	Up to 8 km (6-8 km actual range may vary)
Max Load / Weight Capacity	Min 40 lbs - Max 175 lbs
Wheel Size	6.5 Inches (Solid Tires)



Feature	Detail
Brake Type	Dual Brake System (Front Electronic, Rear Fender)
Frame Material	Aluminum
Item Weight	6.99 kg (15.4 lbs)
Product Dimensions (Unfolded)	Approx. 91.44 x 33.02 x 76.2 cm (36L x 13W x 30H inches)
Folding Size	Approx. 36L x 13H x 14W inches
Max Climbing Angle	15°
Special Features	Foldable, Front LED Lights, Head Lights, Multicolor Lighting Pad, Digital Display



**POWERFUL  
AND COMFORT  
RIDING**  
EQUIPPED WITH 150W MOTOR

Image: An exploded view illustrating the 150W motor and the durable 6.5-inch solid tires, highlighting the scooter's powerful and comfortable riding components.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about spare parts, please contact WEELMOTION customer service. Keep your purchase receipt as proof of purchase.

Manufacturer: WEELMOTION

Place of Business: Happy Motion

Date First Available: May 11, 2024