

YM-RAPTOR2

E-SCOOTER USER MANUAL

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WARNING!

- **Please conduct a thorough inspection of your scooter before riding. Always wear protective gear.**
- **Abide by local laws, regulations, and speed limits.**

INSPECTION BEFORE RIDING

- a) Turn on the control panel.
- b) Make sure the brakes work properly and brake pads are not worn excessively.
- c) Make sure the front of the scooter is stable and the stem is not loose.
- d) Make sure the seat is firmly attached.
- e) Check that the horn is working properly.
- f) Check the voltage value and ensure that it is within the normal voltage operating range (50V-67.2V)
- g) Make sure the folding mechanism is locked securely.

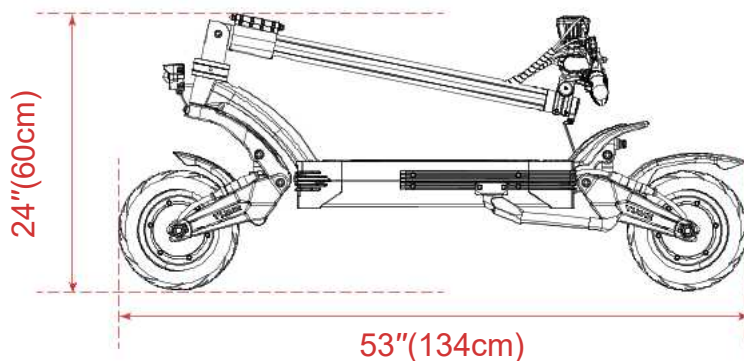
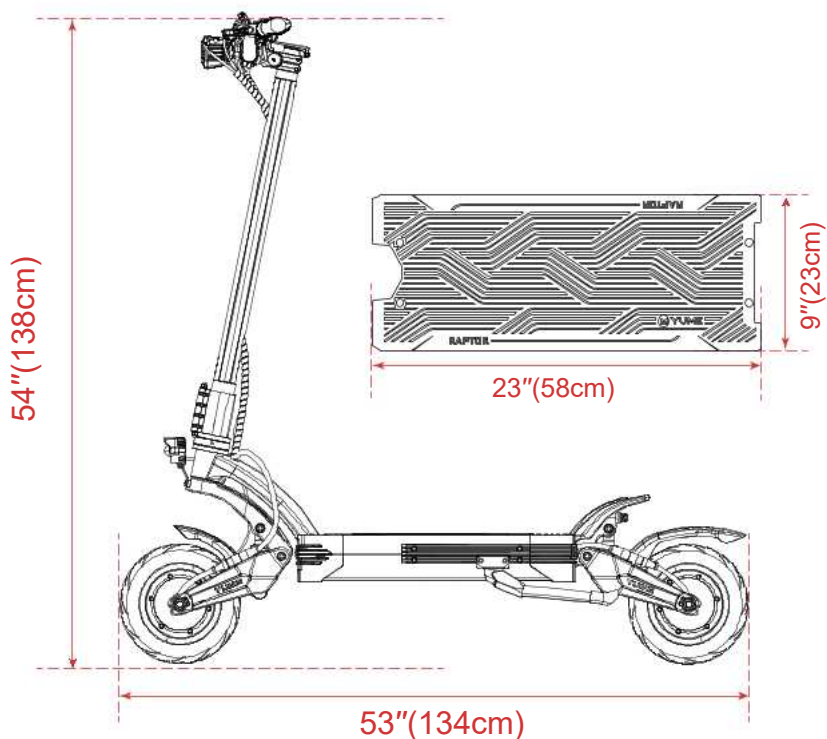
SAFETY PRECAUTIONS

- A. Always wear a helmet, knee pads and elbow pads when riding.
- B. Use low speeds initially and gradually increase to higher speeds as skills and confidence improve.
- C. Do not ride in the rain or through puddles.
- D. Children under the age of 16 should not be allowed on high performance scooters.
- E. Always check your brakes before starting your ride.
- F. Control and reduce speeds when going downhill. Large scooters are heavy and can carry significant momentum.
- G. Obey all traffic regulations in your area.
- H. Ensure your handlebars are in a comfortable position.
- I. Check if screws are loose and fasten if necessary.

STRUCTURE DIAGRAM



STRUCTURE SIZE



GET TO KNOW THE HANDLEBAR OF YOUR E-SCOOTER



LCD Control Panel



Display Button

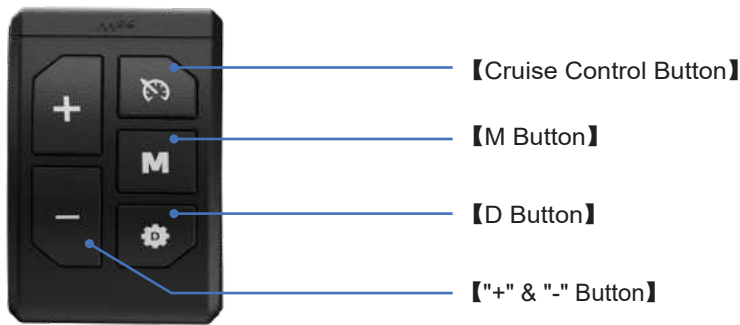


Turning Light / Horn / Light Switch



Twist Throttle

DISPLAY BUTTON



Button Name	Description
【"+" & "-" Button】	Press the "+" button to increase the gear from 1st to 2nd and 2nd to 3rd. Press the "-" button to decrease the gear from 3rd to 2nd and 2nd to 1st.
【M Button】	a. Short press the [M] button to cycle through display information (ODO, TRIP, AVG). b. Functions as the "Confirm" or "Enter" button when navigating the settings menu.
【D Button】	Switch between single motor and dual motor to activate or deactivate the front motor.
【Cruise Control Button】	Engage this feature while riding to maintain a constant speed automatically.
 WARNING: To reduce the risk of serious injury or accidents, DO NOT use Cruise Control in heavy traffic, adverse weather conditions (rain or snow), or on uneven road surfaces.	

DISPLAY INTERFACE



Menu	Description
Brake	Indicates electronic brake (E-brake) status: ON or OFF.
Dual Drive	Solid green icon: Dual motor mode active. Light off: Single motor mode.
Turn Signal	Blinking green icon in the direction of the turn. Automatically turns off after 8 seconds.
Speed	Displays the current speed.
Battery	Displays the remaining battery percentage. The last bar turns red when the battery drops below 15%.
ODO	Displays the total cumulative distance traveled.
TRIP	Displays the current trip distance.
AVG	Displays the average speed of the current trip.
MAX	Displays the maximum speed of the current trip.
Power	Displays the motor's real-time output power.
Gear	Displays the current speed gear (1–2–3): Eco / Standard / Turbo
Unit	Displays the current speed unit (mph or km/h).
Cruise	Solid green icon: Cruise Control activated. Apply the brake or throttle to disengage Cruise Control.
Time	Displays the elapsed time since the scooter was powered on.
Bluetooth	Solid blue icon: Connected or ready to connect. Light off: Disconnected.

DISPLAY SPECIFICATION



◆ Model Display Specification

How to Unlock & Power On

You can unlock and power on the scooter using any of the following methods:

- NFC Key**
Tap the included NFC card against the display.
- Mechanical Key**
Insert the mechanical key into the battery lock and turn it.
- Mobile App**
Open the app and tap the Unlock icon on the main interface after connecting via Bluetooth.
- Smartphone NFC**
Tap your NFC-enabled smartphone against the display(Android devices only).

Note: The smartphone must be paired with the scooter through the app in advance.

◆ How to Access Settings Menu:

Press and hold the “+” and “-” buttons simultaneously to enter the settings menu.
Use the [M] button to confirm selections or enter sub-menus.

- Display Settings**
 - **System Unit:** Switch speed units between km/h and mph.
 - **Brightness:** Adjust display backlight intensity. Range: I (dimpest) to IIIII (brightest).
 - **Auto-off:** Set the automatic shutdown time (1–10 minutes). Default: 5 minutes.
 - **Battery Ind:** Toggle the battery display between Percentage (%) and Voltage (V).

DISPLAY SPECIFICATION

b. System Settings:

- Factory Settings: Reserved for YUME support only.
- Information: Displays riding data, including average speed, maximum speed, current trip distance, and total odometer reading.

[1] Legal and Safety Compliance

Users must strictly follow all applicable local traffic laws and regulations. Rules regarding on-road use, speed limits, and helmet requirements vary by location (for example, New York, Florida, and Arizona).

You are responsible for selecting the appropriate speed mode to comply with local legal limits.

Disclaimer: This information is not legal advice. YUME assumes no liability for legal compliance. Users operate the product at their own risk.

[2] Eco Mode Range Disclaimer

The stated Eco Mode range was tested under the following conditions:

- Full battery
- Single-motor (1WD) mode
- Rider weight: 75 ± 5 kg (165 ± 11 lbs)
- Ambient temperature: $25 \pm 5^{\circ}\text{C}$ ($77 \pm 9^{\circ}\text{F}$)
- Maximum speed: 25 km/h (15.5 mph)
- Continuous riding on paved roads

Actual range may vary depending on riding speed, frequency of acceleration and braking, rider weight, terrain, road conditions, ambient temperature, tire pressure, and battery condition.

[3] Water Resistance (IP66) Rating

This scooter is rated IP66 (protected against water splashes). It is NOT waterproof.

Warning: Do not ride in heavy rain, submerge the scooter in water, or clean it using high-pressure water.

Warranty Notice: Damage caused by liquid immersion or water ingress is not covered under warranty.

DISPLAY ERROR CODE DEFINITIONS

System Diagnostics

The dashboard features a built-in diagnostic system. When a system malfunction is detected, the display interface will show the **"ERROR"** indicator along with the specific fault code to identify the issue.

Fault Code Legend

Code	Status	Solution
E02	Brake Error	1. Check whether the brake wire is disconnected. 2. Check whether the brake lever returns fully to its original position
E06	Undervoltage Protection	1. Check the battery voltage and charge level. 2. Check whether the charger is functioning normally. 3. Check whether any wiring is loose or short-circuited.
E07	Motor Hall Sensor Failure	1. Check whether the motor Hall sensor wire is disconnected. 2. If the internal Hall sensor is damaged, have it inspected by a professional repair shop or replace the motor Hall sensor.
E08	Throttle Failure	1. Check whether the throttle wiring connection is loose. 2. If the problem persists, the throttle may need to be replaced.
E09	Controller Failure	1. Restart the scooter and check whether the controller wiring is disconnected. 2. If the controller is damaged, it must be replaced.
E14	Overcurrent Protection	1. Power off and restart; check for overloading; troubleshoot mechanical resistance (e.g., brake lock-up, low tire pressure, motor stuck). 2. Check the controller wiring.
E15	Motor Stall Protection	1. Power off the scooter and check whether the motor is stuck or jammed. 2. Check the status of the brake lever and throttle. 3. If the fault is related to the motor or controller, replacement is required.

DISPLAY ERROR CODE DEFINITIONS

Code	Status	Solution
E16	Motor Overheating	1. Stop riding and allow the motor to cool down before continuing. 2. Avoid overloading, long uphill riding, or frequent rapid acceleration and braking. 3. Check for brake lock-up or motor bearing damage. 4. Check for motor wiring faults or sensor errors.
E17	Controller Overheating	1. Stop immediately and allow the controller to cool down before riding again. 2. If caused by a temperature sensor or wiring fault, the relevant parts must be replaced.
E19	Controller Temperature Test Sensor Error	1. Check whether the temperature sensor wire is disconnected. 2. If there is a temperature sensor or wiring fault, the relevant parts must be replaced.

CHARGING OPERATION



1. First, ensure that the two parts of the charger (i.e. the AC wall plug/power cord and the transformer) are firmly connected.



2. Next, locate the three-pin connector on one end of the charger. Open up the charging port's cover to spot the charging hole. Align the three-pin connector with the pinholes and gently insert the cable. Once the connector reaches its maximum position, it connects to the scooter's charging port. The charger's groove should be aligned with the charging hole.

⚠ NOTE: Ensure that the three-pin connector is precisely aligned with the charging socket. Failure to do so may cause a short circuit within the charging port.



3. Now insert the AC plug, which is the other end of the charger, into a power outlet. Once the battery is 100% full, the charger's light will turn green. When anything less than 100% full (i.e. still charging), the charger's light will remain red.

Note: You should plug the charger cord into the power outlet before connecting it to the charging port to avoid a short circuit. Likewise, please avoid charging the battery for extended periods, such as the scooter being plugged in overnight, for this same reason. Aside from battery damage, it could lead to a fire accident.

USAGE AND MAINTENANCE

1. Battery and charger

- a. The scooter is equipped with a dedicated Lithium battery and an intelligent charger. Please do not use another brand's charger because it might not be suitable for the battery.
- b. The battery's overall performance will change based on temperature, terrain, and weight of the user.
- c. During the winter, properly store the scooter with at least 75% battery capacity in room temperature.

2. Charger

- a. The intelligent charger has an over-charge protection function. Once the battery is fully charged, it will stop charging automatically. Notwithstanding, please remember to unplug the charger immediately after a full charge to ensure a lengthy battery life.

3. Battery

The scooter's Lithium battery does not require any special maintenance but please pay attention to the following:

- a. Do not expose the battery to rain.
- b. Do not expose the battery to extreme high or low temperatures. The appropriate temperature for the battery's health is 25°C.
- c. Remember to fully charge the scooter after receiving it before you start riding it.
- d. Never let the scooter run out of power completely.
- e. Charge the scooter before putting it into storage. Meanwhile, if the scooter is not in use for up to 90 days, endeavor to charge it again and then put it back into storage. Else, the battery could get damaged.
- f. Do not charge the battery in an enclosed room.
- g. Never charge the battery unattended.

USAGE AND MAINTENANCE

4. Brakes

- a. If you notice the braking performance deteriorating, check whether there is brake oil in the brake fluid reservoir or not. If there is none, do add it in order to get the brakes to the required sensitivity.
- b. If brake oil is added but the brake's performance remains terrible, the brake pads might need urgent replacement.

5. Folding Parts

- a. When you feel the grip loosen, adjust the screw between the grip and the T-tube with a hex wrench.

6. Lubrication

- a. Pour some lubricant into the clutch sleeve of the folding handle every six months.

Note: Do not use wd40 to lubricate the spare parts. Also, do not lubricate the front and rear wheels. Please contact us, if you have questions on this.

7. Tire

- a. When the tires begin showing obvious signs of wear and tear, please replace them.

8. Cleaning

- a. Clean the scooter using mild cleaning agents, protective agents and soft cotton.
- b. Do not use solvents in cleaning the scooter.
- c. Never spray water directly on the scooter.
- d. After cleaning it using soft cotton, rinse with clean water to ensure no detergent residue remains. After that, wipe with a dry cloth.
- e. Clean the brake parts very carefully without allowing water to get in. Even water vapor on brake components may cause the brake to malfunction.
- f. Apply protective oil to the suspension parts of the scooter periodically.

GENERAL QUESTIONS

SCOOTER CANNOT BE POWERD ON

- a. Check whether the battery gets power or not.
- b. Open the foot pedal and check whether the issue is with the battery fuse. It might not be inserted properly or might have burnt out.
- c. Before closing the foot pedal, also check whether the main line between the electric scooter's accelerator and controller is plugged in properly.
- d. Likewise, check whether the connector between the battery and the controller is plugged in properly or not.

BATTERY CANNOT BE CHARGED

- a. Ensure that both ends of the charger are connected to the scooter and the power outlet and then check whether the indicator light turns on or not.
- b. Open the foot pedal and check whether the issue is with the battery fuse. It might not be inserted properly or might have burnt out.
- c. Confirm whether the brake lever is rebounded to original position or not.
- d. Open the foot pedal and check whether the connector between the controller and the motor is plugged in.

SCOOTER UNABLE TO ACCELERATE

- a. Confirm whether the brake lever is at the original position or not.
- b. Open the foot pedal and check whether the connector between the controller and the motor is plugged in.

Note: If all actions above have been tried but the scooter continues malfunctioning, please contact us.

GENERAL QUESTIONS

Does Yume Have Scooter Warranty? How To Contact?

- a. We have after-sales service, please contact the dealer where you purchased from.
- b. View more detailed warranty terms on the YUME official website.

Attention

Limited Warranty Does Not Cover:

- a. Scooter malfunctioning caused by prolonged usage.
- b. Unofficial modification of scooter and non-compliance with instructions.
- c. Usage of scooter for commercial or competitive stunt.
- d. Damage caused by removed screws using excessive force.
- e. Damage to components caused by water.
- f. Damage to product caused by improper winter storage.
- g. Any refunds or expenses incurred, such as uber trips, public transportation, loss of time, indirect, special, punitive or collateral damage, loss of personal property.
- h. Orders that have been rejected and are currently under investigation (warranty might elapse while solution is being sought).

YUME SCOOTER SAFETY TIPS

Who Should Ride A YUME Scooter?

- a. The YUME product should not be ridden by anyone below the recommended age (18 years old). It is also recommended that you already have at least six months of two-wheel cycling experience.
- b. Endeavor to always wear a helmet, elbow and kneepads that meet the riders' regulatory standards. Also, make sure to neatly tie the shoelaces to keep them out of the wheels' way.
- c. Follow Traffic Laws: Always yield to pedestrians for their safety and yours; Ride on the appropriate driving side per time; Make the appropriate signal when you're planning to change directions; Always follow the traffic light signals; Finally, endeavor to comply with the local driving laws that pertain to you.

Getting Geared Up

- a. Getting Your YUME Ready: Please read the owner's manual attached to your scooter's package before you begin using it. And before every ride, endeavor to secure your fasteners and check the brakes. Also, check your wheels for possible wear and tear.
- b. Start Slow: Yeah, we know you want to start feeling the high rush of riding your new scooter, it's better to start slow. Remember that you'd need a little while to adjust to using your new scooter.
- c. Watch the Terrain and Always: Be Alert When riding your YUME scooter, carefully maneuver around water, speed bumps, sand, gravel, and anything that could cause your front wheel to stop. Also, avoid steep inclines, don't ride too fast, avoid riding in other vehicles' blind spots, and stay focused and alert. And also never ride under the influence of drugs or alcohol.

NOTE: Do not carry people while riding a scooter.

Apply "extreme" Caution

- a. With practice, you'll get increasingly more comfortable on your ride. But, no matter how long you've been riding, you should always apply caution.
- b. You might see people on TV or even people you know doing tricks and stunts, but you shouldn't try something until you're absolutely sure you are ready. Remember, ride smart and stay safe.
- c. Be aware of "no parking" areas and only park within the appropriate or specified parking area. Make sure you look out for others and never leave your scooter blocking walkways or accessibility ramps.

CONTACT US

Technical support Team: support@yumescooter.com

If you have inquires please feel free to contact us.

We will reply within 8:30 am- 6:00 pm.



Official Store

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