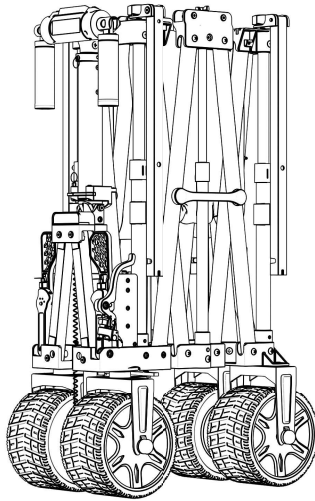




ZILR PTY LTD
Melbourne VIC 3000, Australia
support@zilrpro.com

Developed & Designed in Australia, Assembled in China

Distributed by:



⚠ Liability Disclaimer

The manufacturer and distributor of the ZILR ZIPR will not be held responsible or liable for any property damage, personal injury or death, accidents, legal claims, or disputes that result from:

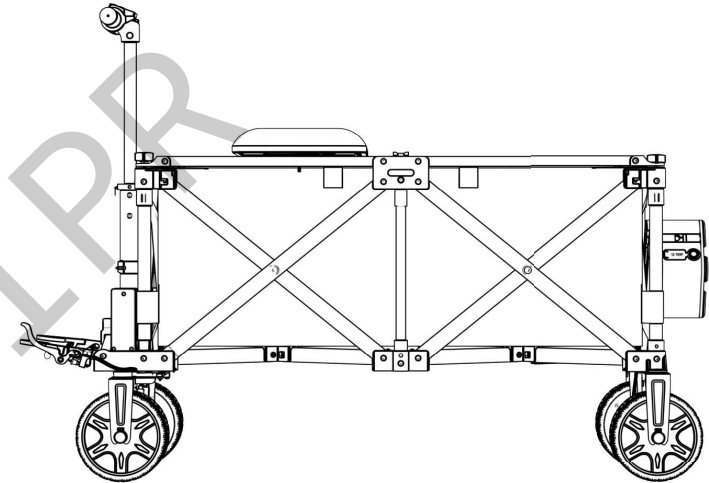
- Failure to follow the safety instructions, warnings and operational guidelines contained in this manual.
- Use of the product in violation of local laws or regulations.
- Misuse, reckless operation, or modification of the product.
- Operation under the influence of alcohol, drugs, or medication.

By using this product, the operator accepts full responsibility for its safe and lawful use and acknowledges that they do so at their own risk.



E-Powered Kit Cart

USER MANUAL



Thank you for purchasing the ZILR ZIPR.

Before operating this product, please read this manual carefully in its entirety. Make sure you understand all safety instructions, comply with every requirement, and pay close attention to all warnings and caution notices provided.

⚠ Operator Responsibility:

The operator is solely responsible for the safe use of this product and for ensuring that it is operated in full compliance with all applicable laws, regulations, and safety guidelines.

This product is a powered utility cart designed exclusively for private land use.

FOR PRIVATE LAND USE ONLY — NOT FOR PUBLIC ROAD USE.

USE ONLY IN PUSH, PULL, OR LOW-SPEED RIDE MODE.

USE SEAT ONLY — DO NOT STAND WHILE RIDING.

MAX LOAD: 200KG / 300KG STATIC.

USE ONLY APPROVED BATTERY AND CHARGER.

Failure to comply with local legislation may result in fines, enforcement action, or confiscation. The user accepts full responsibility for ensuring that the ZILR ZIPR is used legally and safely at all times.

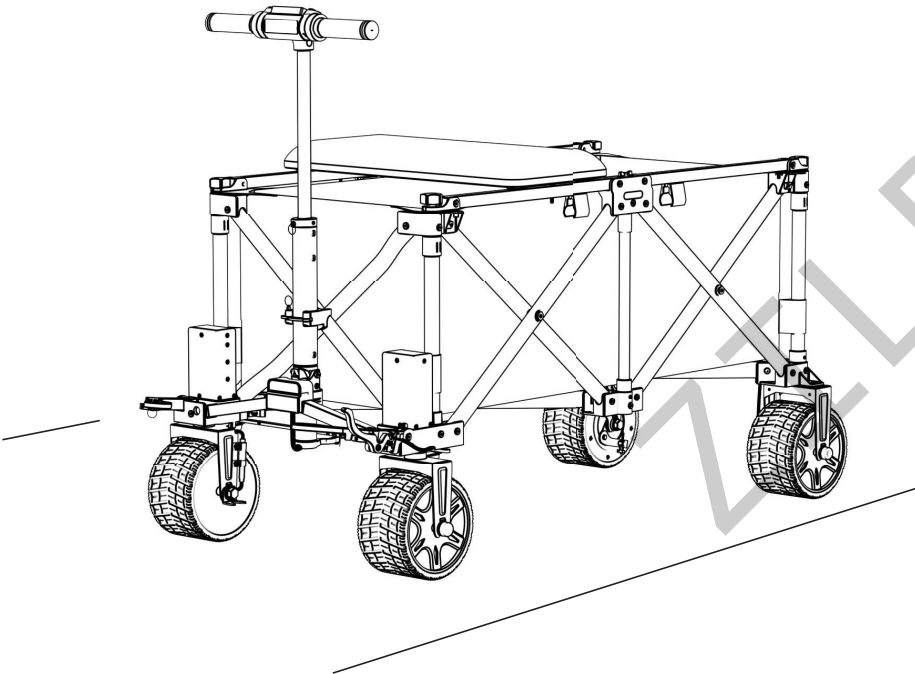
WELCOME

The ZILR ZIPR is a foldable electric utility cart that can be pushed, pulled, or ridden on private land. The operator is solely responsible for the safe use of this product and for ensuring that it is operated in full compliance with all applicable laws, regulations, and safety guidelines.

The ZIPR delivers exceptional performance with comprehensive, practical functionality:

- Four-way folding chassis for more compact storage.
- Switch freely between riding/towing modes, equipped with a long-range battery.
- Versatile optional accessories adapt to various scenarios and functions.
- High-strength frame and smart assist features ensure safer, easier, and worry-free outdoor travel.

The product's structural designs, technological innovations, appearance, and alternative solutions are protected by over 150 domestic and international patent applications. Any infringement will be legally pursued.



ZIPR

The actual product features may differ from the content of this manual due to technical upgrades and hardware updates. If you have any questions, please contact our after-sales service team for the latest information. support@zilrpro.com

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Safety Notice

To minimize the risk of injury, please ensure you read and follow all the instructions in this manual.

The ZILR ZIPR is a foldable electric cart that you can push, pull or ride. To fully enjoy its features, practice is essential to mastering its usage techniques.

1. Legal Compliance: Users must comply with all local laws and regulations. Do not operate the cart in prohibited areas. In jurisdictions where no specific regulations govern electric utility carts, strictly adhere to the safety guidelines and the user manual. Failure to comply may result in property damage, personal injury, or legal penalties.
2. Skill Requirement: Ensure you have practiced and mastered essential operation skills before using the cart. The company shall not be liable for any injuries or damages resulting from improper use.
3. User Eligibility: Suitable for users aged 16 to 60, at least 4'7" (1.4 m) tall, and weighing 88 to 243lbs (40 kg to 110 kg). Children under 16 are prohibited. Not suitable for: those under the influence of alcohol or drugs, those with mobility disabilities, pregnant individuals, the elderly, or persons with impaired reflexes.
4. Only Recommended Use: Private land with correct permission (such as compounds, dedicated venues, stadiums, studio lots or festival sites).
5. Safety Precautions: Before riding, ensure the positioning pins fully penetrate the support rod with visible heads. Do not ride if the seat is not securely fixed. When unloaded, sit rearward and maintain brake control to prevent forward imbalance.
6. Safety Check: When riding, always wear protective gear (helmet, knee and elbow pads). Do not wear sandals or open-toe footwear. Wear stiff, flat-soled shoes to ensure proper brake function.
7. First Use: Consider your surroundings, do not carry any loads and take your time. Set maximum speed to "L" (Low mode) and gain confidence with their operation of the cart.
8. Riding Safety: Control speed and monitor road conditions. Stay alert to avoid obstacles/potholes. Do not ride on steep slopes, cliffs, wet/slippery surfaces, or hazardous areas. Avoid low-light conditions, and rain/snow.
9. Sharing Rules: New riders must: read the safety notice and watch tutorial videos, master operation skills, and wear protective gear. Minors must be supervised by adults at all times.
10. Warning: Avoid sudden acceleration or deceleration. Do not exceed the rated maximum speed to prevent brake failure, loss of control, collisions, or falls.
11. Pre-Ride Inspection: Check all screws for looseness or detachment. Inspect the connecting rods at the bottom of the steering rod for cracks, looseness, deformation, or pin dislodgement. If there are unusual noises, odors, smoke, or alarm sounds, stop using it and contact the dealer. Do not use the cart if it is malfunctioning.
12. Brake Check: Before each ride, verify that the mechanical brakes are functional. If reduced responsiveness is detected, adjust or replace the brake pads according to the user manual until proper sensitivity is restored. Do not use the cart until braking performance is fully recovered.
13. Downhill Riding: When descending slopes, always use brakes to control speed. Never coast, accelerate, or ride down steep inclines. Secure all cargo at the rear to prevent forward weight shift.
14. Obstacle Warning: Do not ride over obstacles higher than 0.79" (20 mm) (e.g., curbs or protrusions) to avoid tipping or falls. For proper obstacle-crossing techniques, refer to the instructional video.
15. Weight Limits: The rated load limit applies only to flat, solid surfaces and should not exceed this limit. On inclined surfaces, the maximum load must not exceed 264.5 lbs (120 kg) (reduce the load for steep slopes).
16. Battery for Slopes: Before slope operation, fully charge the battery and monitor power levels continuously. Do not use on inclines when battery is below 40%, and replace the battery or stop use and recharge immediately if below 30%.
17. Safety: When riding, respect others and pass them safely. Keep a safe distance on the appropriate side and slow down to avoid startling them. When approaching from behind, alert pedestrians in advance using an audible warning and reduce speed while passing.
18. Braking Awareness: The cart's braking distance varies depending on road friction, slope angle, load weight, and tire wear. Higher speeds require longer stopping distances and increase risks. Always stay alert, monitor road conditions, maintain controlled speed, and keep safe distances from others.
19. Foot Brake Alert: This cart features electronic assistance systems (including regenerative braking), cruise control (where available), hill assist, and automatic speed limiting), which may fail due to system malfunctions or power loss. Never rely solely on these functions. You must maintain full control, monitor system status, and intervene when necessary. Always keep your foot on the mechanical brake pedal and practice using foot brake to ensure safety and emergency responsiveness.
20. Motor Overheat Warning: The wheel motor features overheat protection. Prolonged uphill riding with heavy loads or operation on soft surfaces may cause excessive motor heating. If the system alerts to overheating, immediately switch to towing mode or cease operation to allow cooling. Never exceed load limits.
21. Parking: When parking the deployed cart, fully depress the mechanical foot brake and verify the lever is securely locked in parking mode (dashboard icon  illuminated) to prevent rolling or unintended movement.
22. Transport/Storage Mandates: For transportation, always fold and lay the cart flat inside the car, securing it properly to prevent tipping during bumps. Keep it away from children when storing to avoid injury.
23. Modification Warning: Unauthorized modifications may impair cart performance, cause damage or personal injury, and void the warranty.
24. Wheel Cover Safety Notice: If the rubber cover on the outer side of the wheel falls off, is damaged, or is missing, please contact the dealer to purchase and install a replacement. Avoid exposing the wheel nuts to prevent injury or damage to obstacles.
25. Riding Position Warning: Never place feet inside the cart frame or stand within the cart while riding to avoid potential safety accidents.
26. Floor board Use Warning: Before using the cart, fully unfold and lay the folding floor board flat inside the cabin. Do not stand in the frame while the cart is in motion, as the floor board has a limited load capacity.
27. Downhill Safety: To prevent tipping caused by forward weight shift, riders over 143 lbs (65 kg) are prohibited from using the front seat when riding downhill. Multiple riders (more than one person) are also not allowed on the front seat during downhill riding. All items must be placed near the rear of the cart and securely fastened to avoid shifting the center of gravity; if items cannot be secured, do not ride. Maintain a speed under 6 mph (10 km/h) and carefully observe the road surface to avoid bumps and obstacles.
28. Speed Limiting & Braking: The 2WD & 4WD models are equipped with a speed-limiting system that triggers automatic braking when the speed reaches or exceeds 12 mph (19 km/h); the braking force is strong, so full-throttle acceleration or overspeed riding on downhill slopes is strictly prohibited, as it may cause tipping. Note that if the cart accelerates too quickly or due to other factors, the automatic braking may not engage immediately or may be delayed—therefore, always control your downhill speed.
29. Risk Acknowledgment: Following safety instructions reduces but cannot eliminate all risks. When riding, you may still face injury risks from loss of control, collisions, falls, or others' violations similar to other powered utility carts. The user accepts full responsibility for ensuring that the ZIPR is used legally and safely at all times.
30. Cruise Control may exist in internal or development firmware but is not intended for customer activation. It is disabled by default and only available on approved models in certain regions. If the option does not appear in your settings, it is not available. Do not attempt to activate or modify this feature, doing so will void the warranty.

Battery and Charger

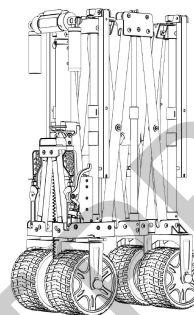
1. The maximum speed and load capacity are measured under conditions of a new, fully charged battery. These performance metrics will decrease as the battery depletes or its capacity diminishes over time.
2. Even during prolonged cart inactivity, recharge the battery regularly (every 1-2 months) to maintain battery health and prevent damage.
3. Use only the specified battery model. Other brands or types may pose safety risks. Cart damage caused by such actions is not covered under warranty. Do not touch battery contacts. Do not disassemble or puncture the casing. Keep metal objects away from battery contacts to prevent short circuits, which may cause fire, battery damage, or personal injury.
4. Do not charge the battery in enclosed spaces. Ensure the charging area is clear of debris and kept away from flammable/explosive materials.
5. Do not charge the battery when the charging port, charger, or power outlet is wet. Always remove the battery from the cart before charging, and use only the original charger provided by our company. Do not use chargers from any other models.
6. Do not disassemble the charger housing by yourself. Avoid touching the interface contacts with metal objects while the charger is plugged in. Failure to comply may result in the risk of electric shock or damage to the charger. Any such damage is not covered under warranty.
7. Do not expose the battery to temperatures above 158°F (70°C) or below -4°F (-20°C). Never dispose of the battery pack in fire, as this may cause battery failure, overheating, or even fire hazards.
8. Improper disposal of used batteries may cause serious environmental pollution. When discarding this battery pack, please comply with local regulations. Do not dispose of the battery pack indiscriminately - let's protect the natural environment together. Only use this battery with the ZILR ZIPR. Do not use it with any other device.

User Notice

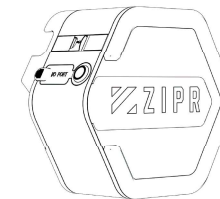
1. Please read all the "Caution" and "Warning" notices marked with ⚠ in this manual carefully.
2. This product has an IPX5 water resistance rating. Do not operate the cart in water deeper than one-third of the wheel diameter. Prolonged immersion will cause water damage to the motor and control circuits of the cart. Water damage and related losses are not covered under warranty.
3. After exposure to seawater or corrosive liquids, please clean the cart promptly to prevent corrosion of the body and components. Damage resulting from such ingress or corrosion is not covered under warranty.
4. The range data is based on laboratory test results under the following conditions: ambient temperature of 30°C (86°F), load of 220 lb (100 kg), and a road ratio of 1/7 slope (one part uphill to six parts flat road), tested from full charge to complete discharge. This data is for reference only. Actual range may decrease significantly in low temperatures, with heavier loads, or on uneven surfaces such as slopes, grass, or sand. As riding conditions, usage scenarios, and habits vary, the range is for general reference only and not a guaranteed performance indicator.
5. When switching between riding and towing modes, make sure the wheels are in the straight position. Otherwise, the limit pin base may be damaged.
6. The body liner (fabric pouch) is made with stitched fabric. Avoid letting it bear heavy loads alone, as this may cause fabric damage or seam tearing. Damage caused by such misuse is not covered under warranty.
7. This cart is not designed to be towed by another cart. Even when the battery is removed and the system is turned off as can damage the the wheel motors.
8. For better riding experience, regular product maintenance is recommended.

Products and Accessories

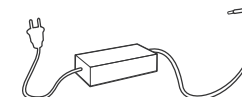
Complete cart x1



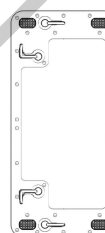
Battery x1 (In Box 2)



Battery Charger x1 (In Box 2)



Seat x1



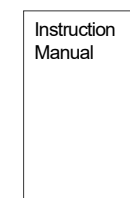
Folding floor board of the cart x1



Magnetic buckle x1



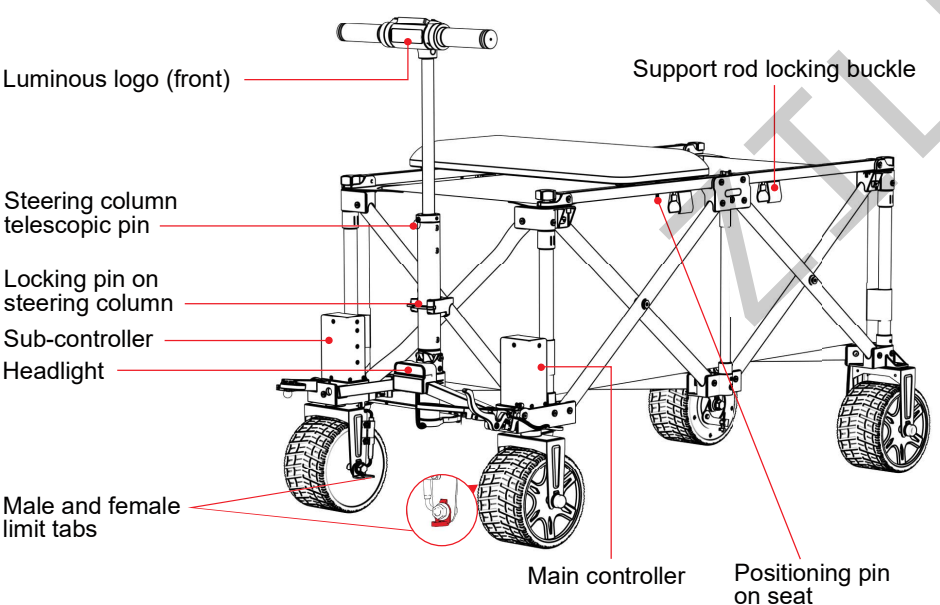
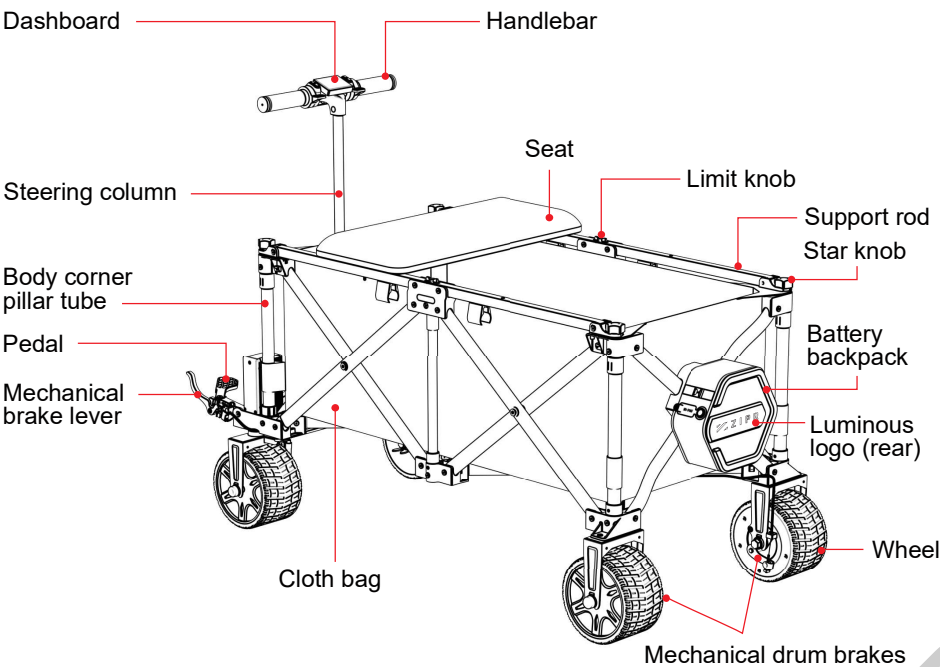
Instruction Manual x1



Check all items in the package for completeness and condition.
Contact customer service if anything is missing or damaged.

Due to the need to ensure product safety during transportation, it is recommended that you retain the packaging for at least **15-30** days from the date of receipt.

Product Overview Diagram



Button/Interface Definitions

Riding Mode

E-Brake Toggle Lever

Thumb Throttle Lever

Towing Mode

The display will automatically rotate 180°

Towing Cruise Control (where available)
(Press fully downward to increase the preset speed / Press halfway to decrease the speed)

Instrument Panel Symbol Reference

- Headlight Status
- Temporary/ Emergency Braking
- Mechanical Brake
- Towing Mode: Both left/right levers control throttle
- Towing Cruise Mode (where available): Both levers adjust set speed
- Low-Speed Mode
- High-Speed Mode
- 4WD Four-Wheel Drive Mode
- RWD Rear-Wheel Drive Mode
- FWD Front-Wheel Drive Mode

Function Button

Riding Mode
Short Press: Engage/disengage Cruise (where available)
E-brake/throttle can also exit
Long Press (hold): Switch between L and H modes

Towing Mode
Short Press: Activate/deactivate towing cruise control (where available).
Hold Press: Temporary brake (release to cancel braking)
Double Press: Emergency brake (short press to release braking)

Power Button

In Riding Mode
Short press twice: Turn on
Long Press: Turn off
Mechanical brake + Short press to unlock/lock the throttle

While Powered On
Short press: Dim/brighten gauge

In Towing Mode
Same as function key

Light Button

In Any Mode
Short Press: Turn headlight ON/OFF
Long press: Turn off the front & rear logos, headlight, instrument backlight

When All The Lights Are Turned Off
Short Press: Activate lights sequentially: Instrument backlight, Front/rear logos, Headlight

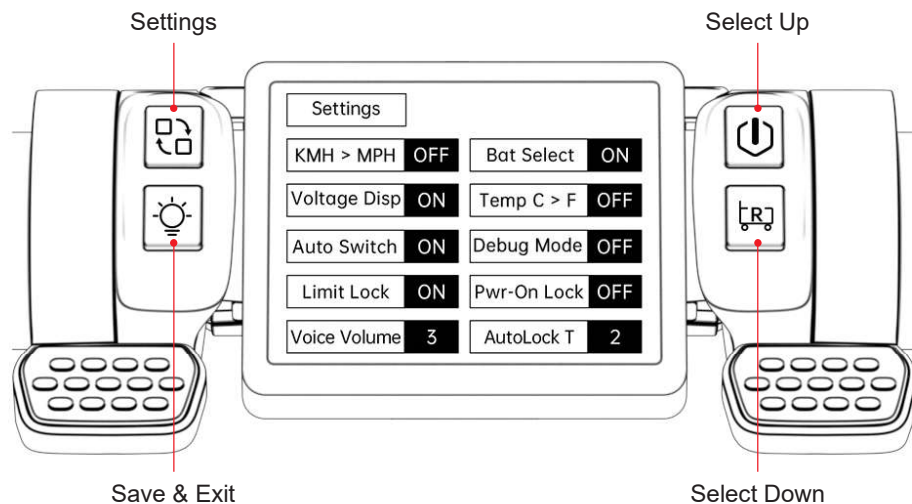
Reverse Button

Short Press: Forward/Reverse

Long Press: Switch FWD/RWD/4WD (Applicable to 4WD version only)

Setting Page

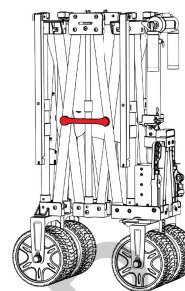
Press and hold Function button  + Power button  for 5s to enter Settings.



KMH > MPH	Change Speed from KMH to MPH.
Voltage Disp	Select 'ON' to display voltage in the 'Battery level' position on dashboard.
Auto Switch	Auto switch between Riding/Towing modes - Keep 'ON'.
Limit Lock	Steering column locking pin lock/unlock status - Keep 'ON'.
Voice Volume	System Beep Volume: '0'=OFF, '5'=MAX.
Bat Select	Battery Auto-Detection - Keep 'ON'.
Temp C >F	Change temperature from Celsius to Fahrenheit.
Debug Mode	Emergency Use Only - Keep 'OFF'.
Pwr-On Lock	To prevent accidental accelerator activation (child lock), press foot brake then power button  to unlock after enabling. Manual locking follows the same steps. The settings will only take effect after you exit the settings interface and restart the system. ✖ Note: When this function is enabled, all handlebar buttons will be inactive until the foot brake is pressed.
AutoLock T	Auto Throttle Lock (when stationary): Enabled with 'Power-On Lock'. "0": No automatic locking. "1~5": Set automatic accelerator lock time from 1 to 5 minutes.

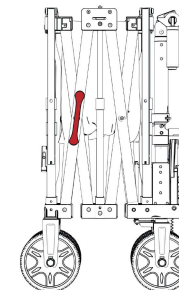
Cart Unfolding Steps

①

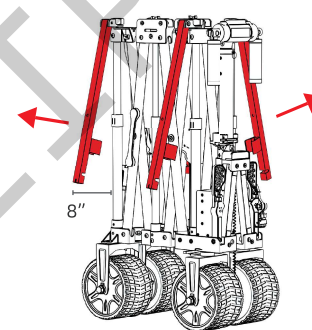


Pull the magnetic buckle outward with force. Attach to the X-bracket's outer rod on the cart.

②

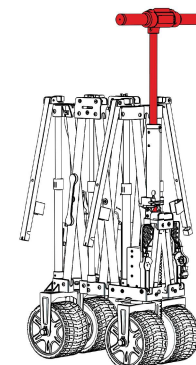


③



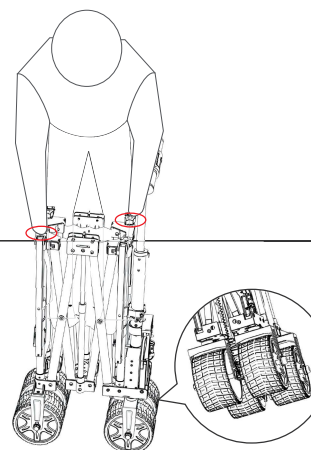
Pull the four support rods outward and keep their ends at least 8 inches (20 cm) away from the body to avoid damage during unfolding.

④



Extend both handlebars outward and lift upward until the telescopic pin engages with the center detent hole. The steering column will then be fully extended to half its height.

⑤

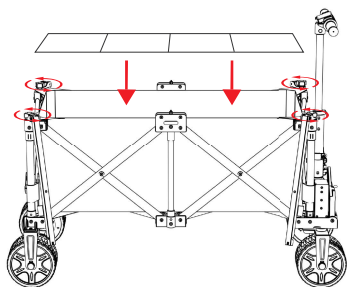


Stand beside the cart, grip both marked red areas with your hands, tilt the frame toward your side, then unfold the body in the direction of the arrows.

⚠ Caution

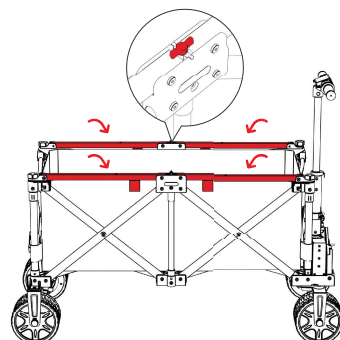
1. Try to unfold the cart on flat ground, and avoid uneven or gravel surfaces.
2. If you encounter any issues during unfolding, **do not use force** to unfold the cart, as this may cause damage. Please contact after-sales service for assistance.
3. When unfolding, do not press down hard on the cart.

⑥



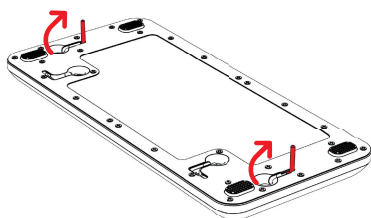
Secure the four star knobs at the end of the support rods, then unfold and lay the folding floor board flat inside the cart compartment.

⑦



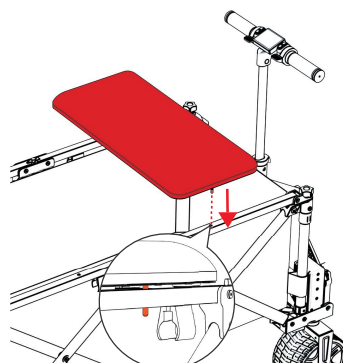
Firmly press all four support rods into the middle grooves of the cart frame. Then rotate both limit knobs 90 degrees to securely fasten the rods in place.

⑧



Release the seat positioning pins and adjust them to a vertical position.

⑨

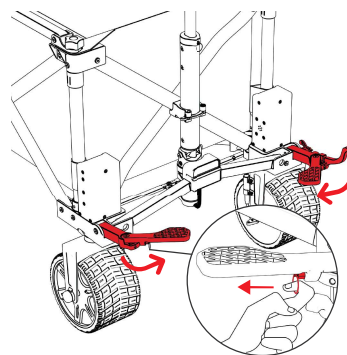


Align the two seat positioning pins with the corresponding holes on the support rods, ensuring the pins penetrate the rods and their ends are exposed.

⚠ Caution

1. If the pins and holes are misaligned, gently adjust rods for proper insertion.
2. To avoid danger, ensure that the seat is securely installed before riding.

⑩



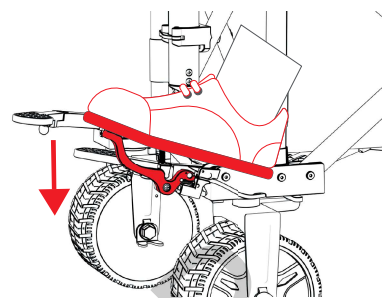
Lower both footrests and gently pull the limit pin rings to adjust their position.

⚠ Caution

1. Adjust the pedal to the indicated position to ensure full depression of the mechanical brake lever.
2. If the limit pin rings feel too tight, gently rock the pedal vertically and horizontally while pulling it out.

Battery Installation Steps

①

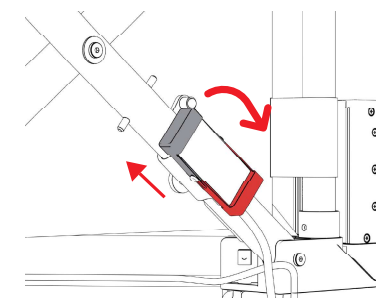


Depress the foot brake fully (until you hear a "click") to prevent cart movement during battery installation. (This step can be skipped once proficient.)

⚠ Caution

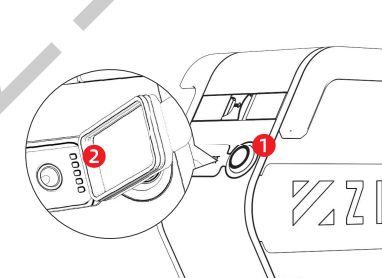
Do not use excessive force or stomp on the foot brake, as this may cause the brake pedal to break.

②



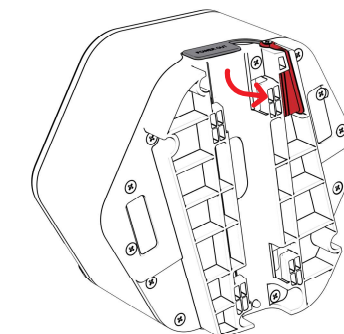
Open the dust cover of the rear battery port and place it on the port end.

③



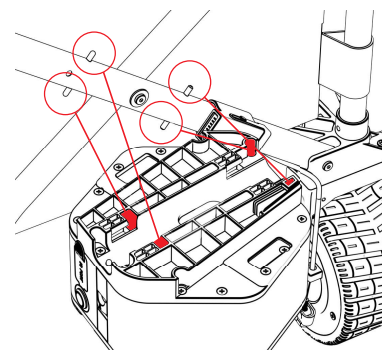
Confirm the battery is powered off. (Both the ring light ① and power indicator light ② must be extinguished.)

④



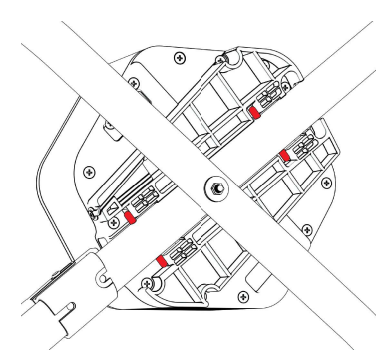
Open the protective cover of the battery output port and tuck it into the storage slot at the bottom as shown in the diagram.

⑤



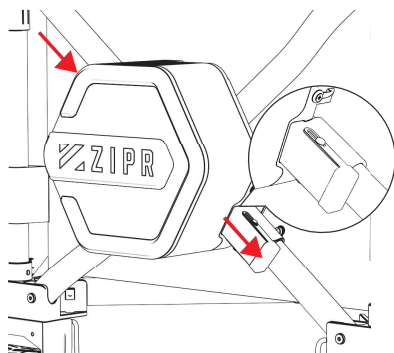
Align the four sliding rails on the battery with the four guide posts on the frame.

⑥



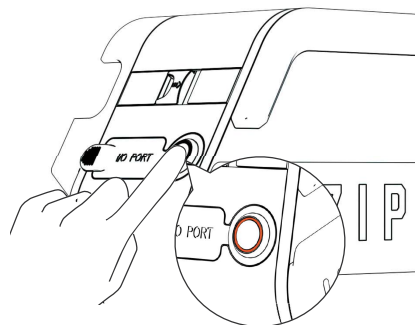
Ensure the four guide posts slide into the four corresponding rails on the battery.

⑦



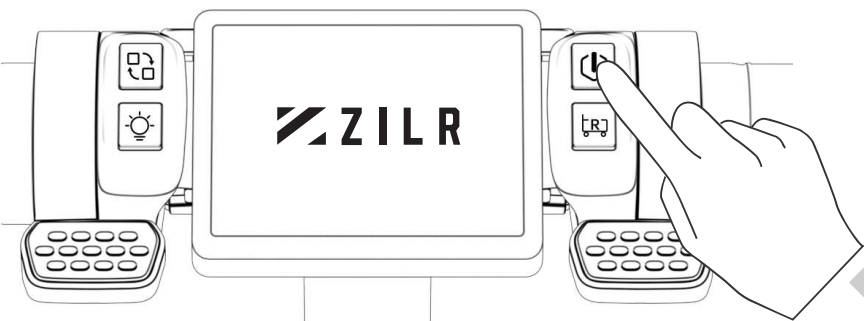
Firmly press the battery in the direction of the arrow until you hear a "click" sound, indicating proper installation.

⑧



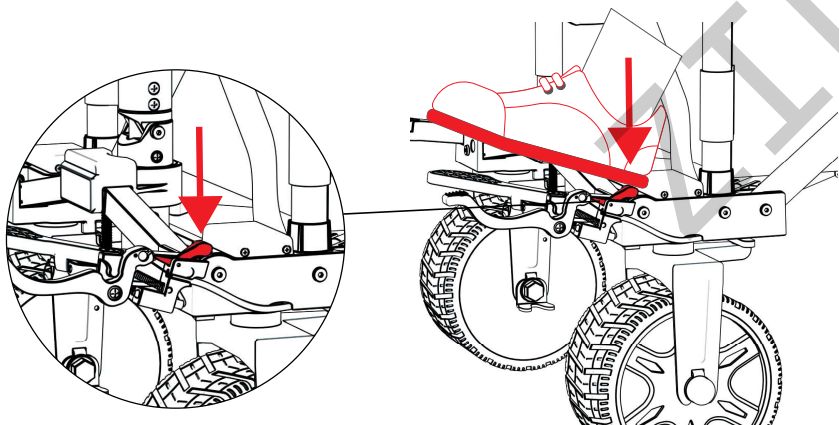
Press the power button briefly until the ring indicator illuminates.

⑨



Press  once to activate the power supply, then press it again to start the system.

⑩

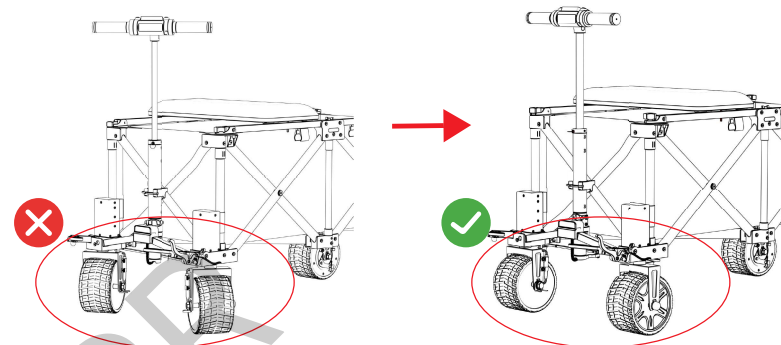


Before use, unlock the mechanical brake as shown in the diagram; otherwise, the cart will remain inoperable.

※ For battery removal procedure, refer to Steps ② - ④ in "Cart Folding Steps".

Cart Folding Steps

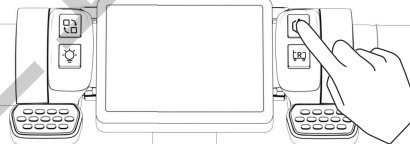
①



⚠ Caution

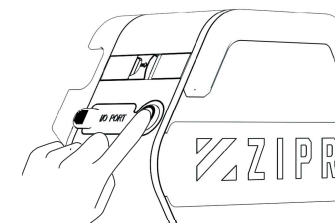
Before folding: straighten front wheel & steering column (as shown in the right). Misalignment may cause damage!

②



Press and hold the power button to turn off the device.

③

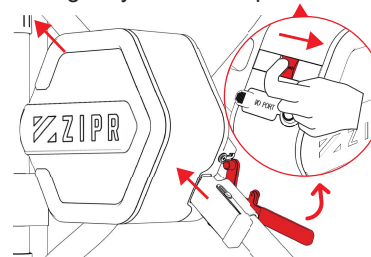


Press and hold the battery power button to turn off the power.

④

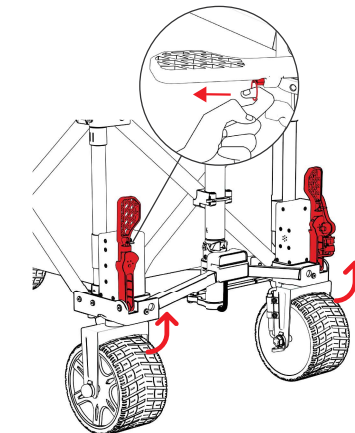
⚠ Caution

Before removing the battery, always press and hold the battery locking latch in the direction of the battery logo. Forcibly pulling the quick-release mechanism without unlatching may cause component damage.



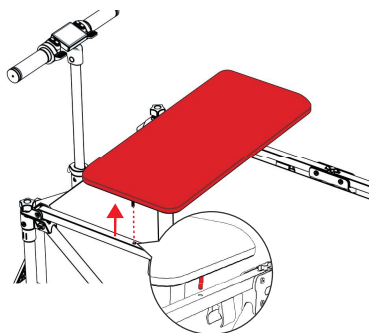
Engage the battery locking latch, then pull the quick-release mechanism upward until the battery disconnects from the mounting base. Slide the battery upward to remove.

⑤



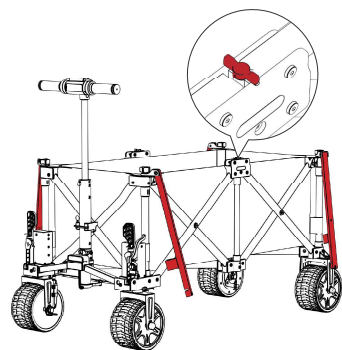
Pull the locking pin ring lightly to set the pedal upright (as shown). **Failure to do so may prevent the body from folding completely and risk damaging parts.**

⑥



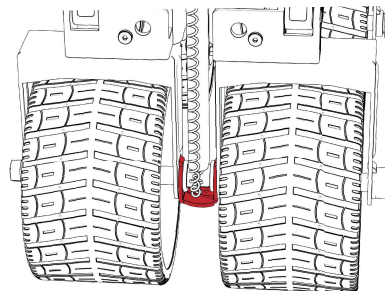
Lift the seat from both sides simultaneously to remove it. Avoid applying force on one side only, as this may damage the positioning pins.

⑦



Rotate both limit knobs to release the support rods.

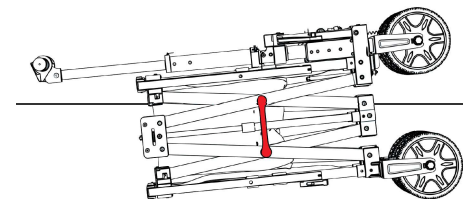
⑫



During the folding process, ensure that the male and female limit tabs on both front wheels are properly engaged.

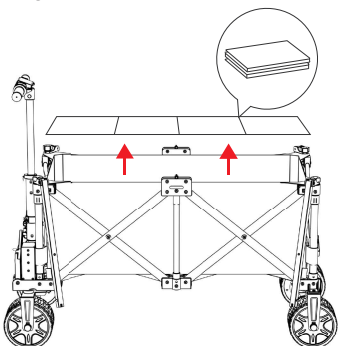
⑬ **⚠ Caution**

Always remove the battery before laying the cart down, and ensure the stem and dashboard faces upward to prevent damage.



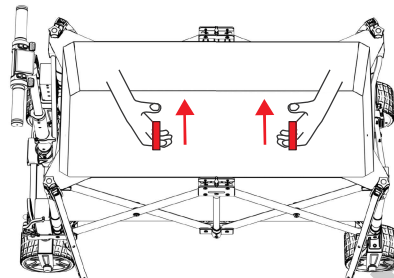
Tilt the cart backward and gently press to fold it completely. Attach the magnetic buckle to the cart as shown in the diagram. Do not apply excessive force when pressing.

⑧



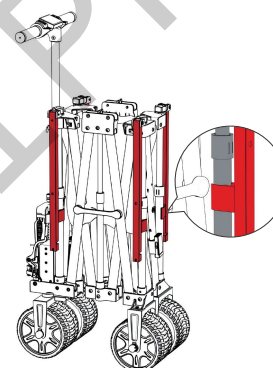
Take out the folding floor board from the cloth bag and fold it up.

⑨



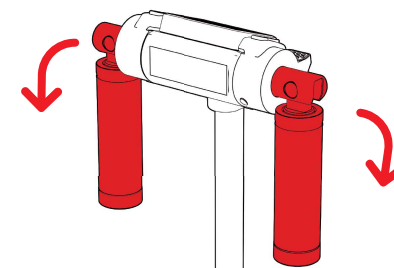
Grasp the two loops at the bottom of the cloth bag with both hands and lift gently to create a slight gather. Do not pull violently.

⑭



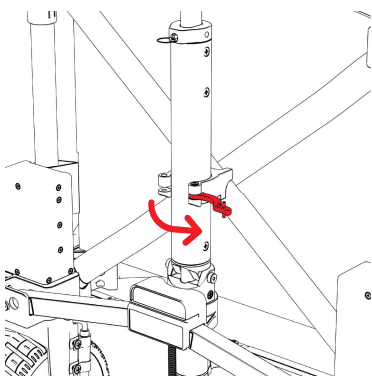
Press down on the seat support rods until they lock into position on the frame.

⑮



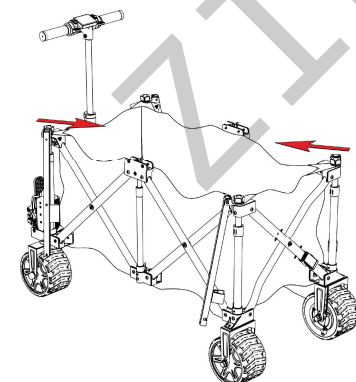
Pull the handlebars to the sides and rotate them downward by 90 degrees.

⑩



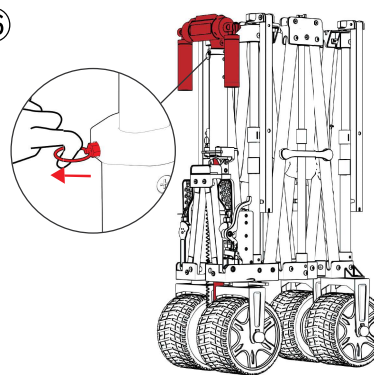
For easier folding, release the steering column locking pin first as new carts may be stiff.

⑪



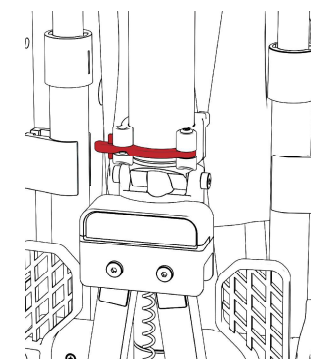
Fold the cart in a diagonal manner. If any resistance occurs, do not force it—contact our customer service for support to avoid damage.

⑯



Gently pull the telescopic pin on the steering column and lower the rod all the way down. (This operation must only be performed after the body is fully collapsed.)

⑰

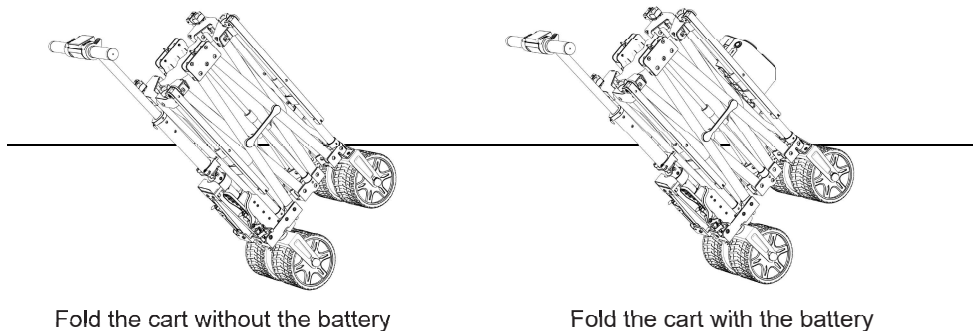


Close the steering column locking pin (if it was extended) to finish folding.

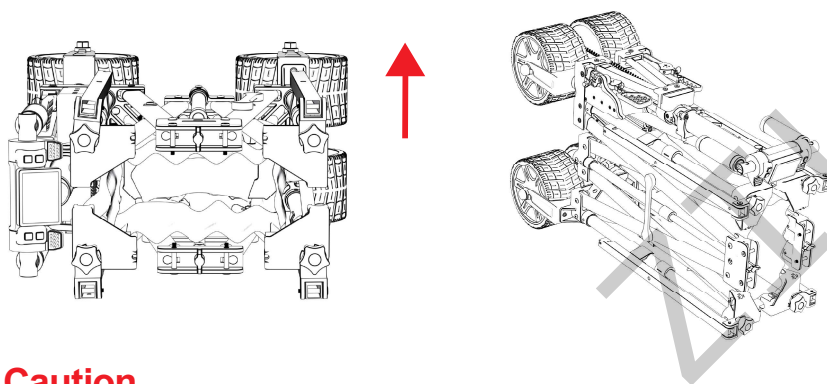
The cart remains towable (manually or electrically) when folded. Electric towing requires battery installation.

Caution

1. When folding the cart with the battery installed, tuck the surrounding fabric into the frame to avoid interfering with the folding process.
2. Do not tilt the cart when folding with the battery. Two people can fold it together using a hugging or squeezing technique.



The folded unit can be easily stored in a van or car trunk.



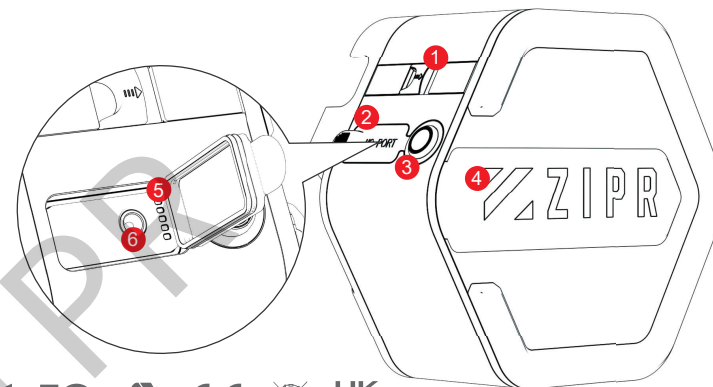
Caution

When laying the cart down, ensure the dashboard faces upward and avoid placing heavy objects on the steering column.

Battery Feature Description

The battery features a quick-release design for easy cart folding, charging, and replacement.

Additional batteries are available for purchase to extend range through alternate use.



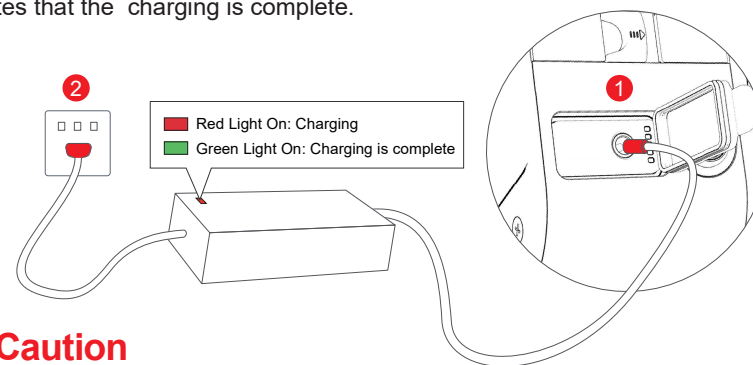
- | | | |
|--------------------|-----------------------------|------------------------------------|
| 1 Locking latch | 3 Power button status light | 5 Charging/Battery indicator light |
| 2 Waterproof cover | 4 Luminous logo (rear) | 6 Charging port |

Battery Charge

Due to self-discharge during transportation and storage, it is normal for the battery to have a low charge or even be empty when first used. Simply charge it in time.

✗ When charging, firstly insert 1 the transformer DC charging port into the battery, and then 2 plug the power port into the household electrical socket.

✗ Red light on indicates that the battery is charging, while a steady green light indicates that the charging is complete.



Caution

1. Charging is strictly prohibited if the charger or battery is damaged.
2. It is strictly prohibited to connect the charger when the charging port or charging cable is damp.
3. Do not install the battery while it is powered on, as this may damage the cart controller. After charging is complete, press and hold the power button to turn off the battery.

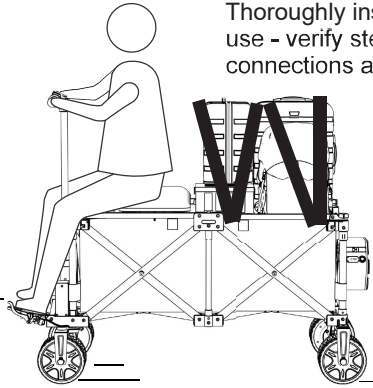
Function Mode Description

• Riding Mode



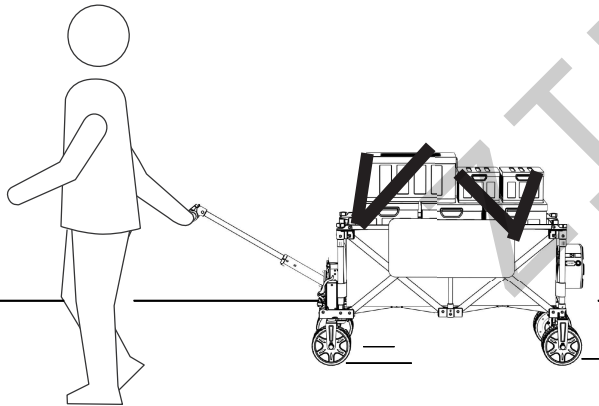
Caution

Thoroughly inspect the cart before each use - verify steering, brakes, and all connections are functional prior to riding.



In riding mode, throttle and brake systems are independently controlled. Left hand controls linear braking/ Right hand manages linear acceleration. Only use the cart on private land with correct permission. Please read the "Safety Notice" and warnings carefully before riding. Do not exceed the cargo height with out securing with cargo net or straps.

• Towing Mode



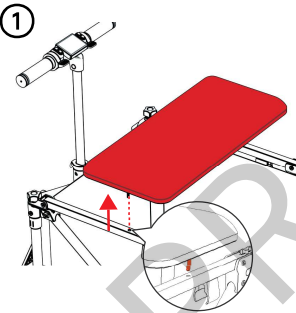
When you need to transport large items or cargo that exceeds the height of the cart's cargo area use cargo net or straps to secure, you can switch the cart to the towing assist mode. In towing mode, the display content will automatically flip by 180 degrees, and the control buttons on the handlebar and the left and right shifters will switch to the functional layout of the towing mode.

Mode Switching

• Switch from Riding Mode to Towing Mode

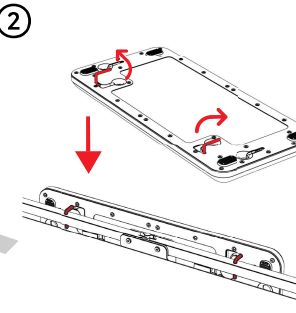
(Skip step 1 and 2 if the cargo is within the height of the cargo area)

①



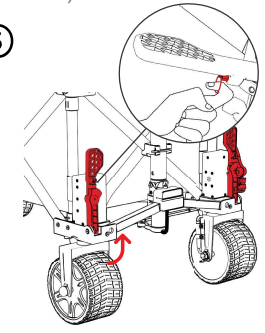
Lift the seat from both sides simultaneously to remove it. Avoid applying force on one side only, as this may damage the positioning pins.

②



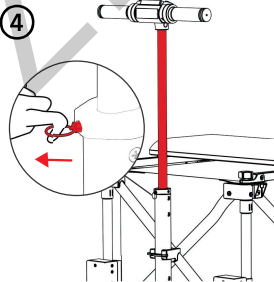
Retract the seat positioning pins, release the side hooks, and insert them through the corresponding holes on the seat support rod.

③



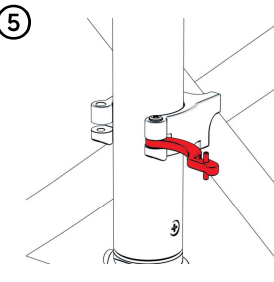
Pull the locking pin ring lightly to set the pedal upright. Failure to do so may prevent the body from folding completely and risk damaging parts.

④



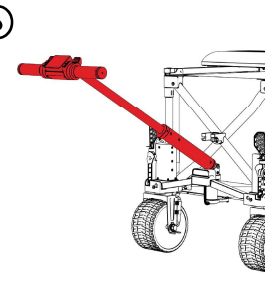
Pull the telescopic pin on the steering column to raise it.

⑤



Release the steering column locking pin and extend to full position.

⑥



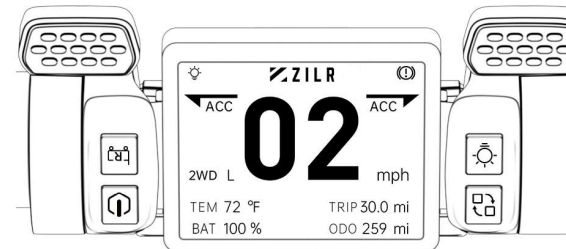
Lower the steering column to switch to towing mode.



Caution

Make sure the telescopic pin is securely locked into the lowest limit hole on the steering column; otherwise, the rod may deform under pressure, result in injury or damage. When switching between riding and towing modes, make sure the wheels are in the straight position; otherwise, the locking pin base may be damaged.

⑦

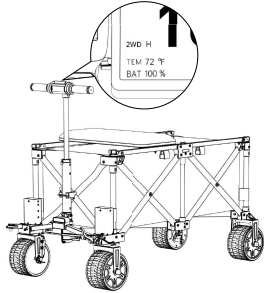


When switching mode, the control system will automatically flip.

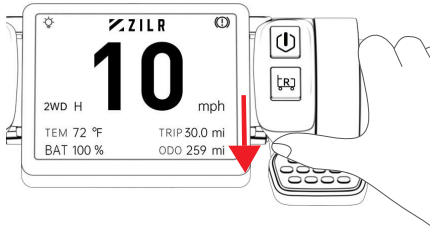
How to Ride

⚠ Caution

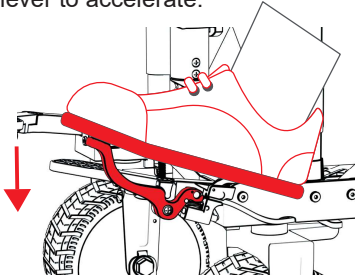
1. Always keep your left foot lightly on the brake pedal to be ready for any sudden situations.
2. Verify the positioning pins at both ends of the seat have fully penetrated the support rods with visible end protrusion.



Turn on the device and check the battery level. If the battery is below 30%, please charge it before use.



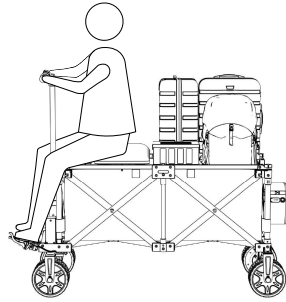
Once stable, slowly press the right-hand throttle lever to accelerate.



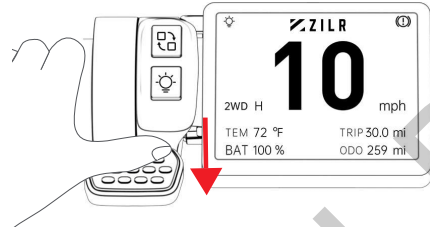
To park or brake quickly, press the E-brake lever with your left hand while stepping on the mechanical foot brake.

⚠ Caution

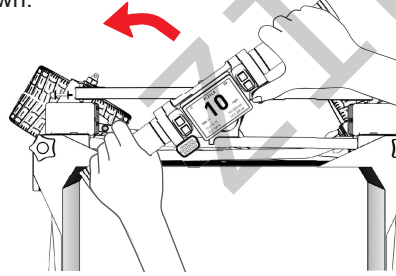
When reversing, always ensure the rear area is clear before proceeding, and maintain low speed without sudden acceleration.



Press the brake pedal with your left foot to prevent rolling, sit in the center of the seat, place your right foot on the right pedal, and prepare to ride.



Press the left-hand E-brake lever to slow down.

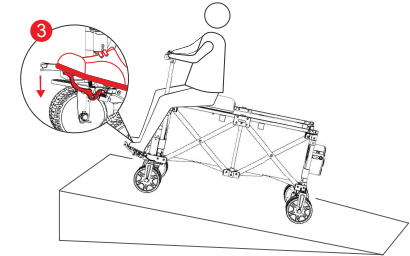
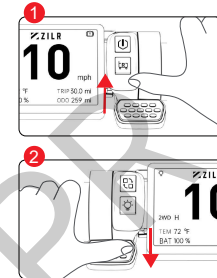


When turning, steer the handlebars gradually in the direction of the turn.

Driving Assistance Functions

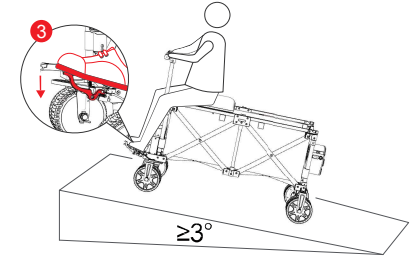
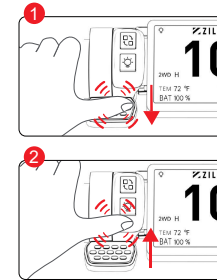
Regenerative Braking/E-braking

Release the **1** throttle to slow down. Hold the **2** E-brake fully to stop and lock the wheels (prevents rolling). For extended stops on slopes: step on the **3** mechanical foot brake fully and lock it, then release the E-brake.



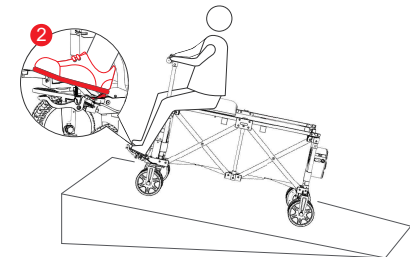
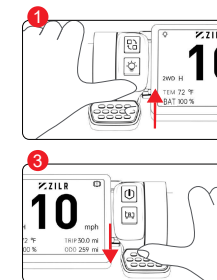
Anti-rollback

On slopes of $\geq 3^\circ$, press **1** the electric brake lever fully down to activate (voice prompt: "Hill Assist on"). The cart will maintain position when **2** the lever is released. After 5 seconds, the system will prompt "Please **3** apply foot brake." Press the foot brake fully down until it locks.



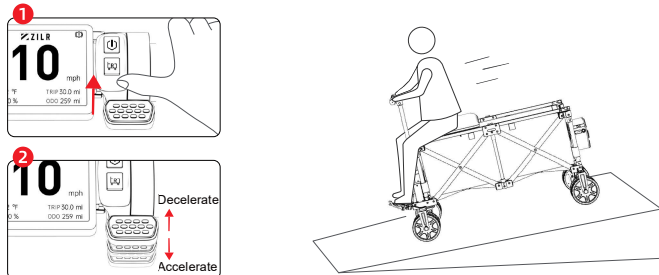
Hill Start Assist

When the anti-rollback function is activated, release the electric **1** or mechanical brake **2** and press **3** the throttle lever simultaneously to continue driving.



Downhill Speed Limit

Release ① throttle to slow down. Adjust downward pressure on ② throttle to control descent speed.



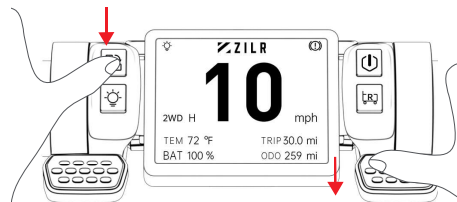
⚠ Caution

1. Riding on steep slopes is prohibited. On gentle slopes: Keep your foot lightly on the mechanical brake and your left thumb on the electric brake lever. Remain alert, maintain a steady speed, and avoid sudden acceleration or braking. When descending, secure counterweights at the rear to balance the center of gravity.
2. When using the above functions, you are responsible for staying alert at all times and keeping your foot on the mechanical brake pedal to prevent accidents in case of electric brake failure, power loss, or other malfunctions.

Cruise Control (Not Active or Available)

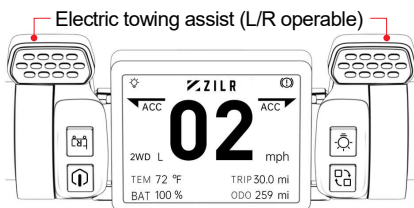
To activate cruise control (Where available): While riding, lightly press the throttle lever (full-speed operation disabled) and simultaneously press the  function button. The cart will maintain speed after throttle release.

To deactivate: Press the brake lever, throttle lever, mechanical foot brake, or briefly press the function button .



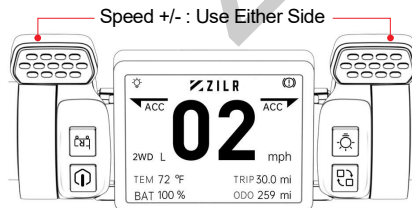
Towing Control

1. In towing mode, the riding-mode brake lever converts to a throttle control, allowing electric - assist towing via both handlebar levers.
2. Press throttle to control speed. Release throttle to decelerate and stop. Brakes will automatically release after stopping, without locking wheels.
3. Press and hold the function button  /power  button to temporarily brake and lock the wheels; release to resume normal operation.
4. Double-press the function button  or power button  quickly to brake and lock the wheels; a single short press releases the lock.



Towing Cruise Control (Not Active or Available)

1. In towing mode, briefly press the function button  or power button  to activate cruise control. Press again to deactivate.
2. To activate, fully press and release the throttle lever - the cart will maintain a 0.62 mph (1 km/h) towing speed. To increase the speed, press the throttle lever fully down again. To decrease the speed, press the throttle lever halfway down and release. The braking method in this mode is the same as described in "Towing Control 3 and 4."



⚠ Caution

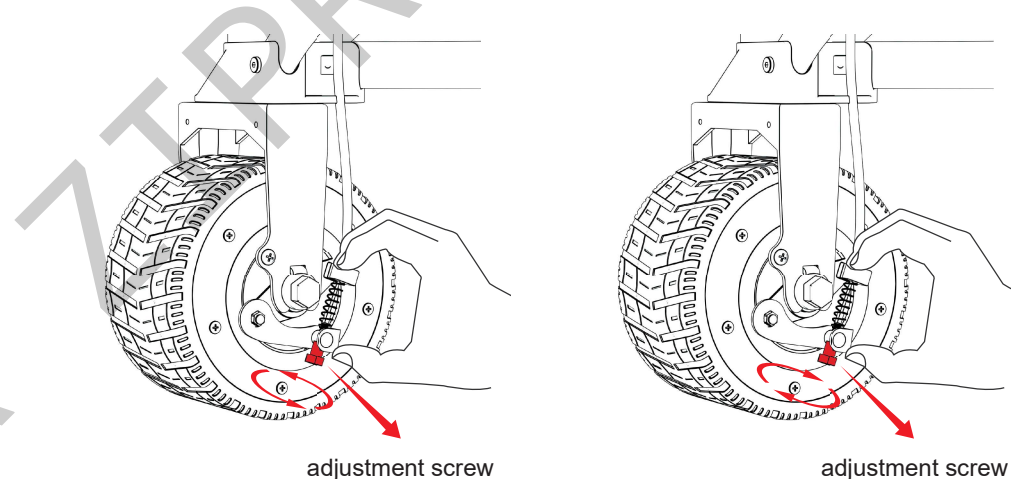
1. Always keep both hands on the handlebars while riding to maintain control. Never remove hands during operation to avoid hazards.
2. Using the electric brake to hold the cart for extended periods will rapidly deplete the battery. Always engage the mechanical foot brake after stopping.

Brake Adjustment

The mechanical drum brakes are pre-adjusted to optimal specifications at the factory. If brake performance decreases after prolonged use, adjust as follows.

1. Lift the rear wheel off the ground and fully release the foot brake pedal to allow the wheel to rotate freely.
2. While slowly rotating the wheel, turn the tension screw counterclockwise in half-turn increments until you detect slight friction sounds during rotation.
3. If excessive wheel resistance persists after adjustment, turn the tension screw clockwise to fine-tune.

After adjusting both rear wheels as described, conduct a ride test: When accelerating and applying the foot brake, the wheels should lock up and stop completely.



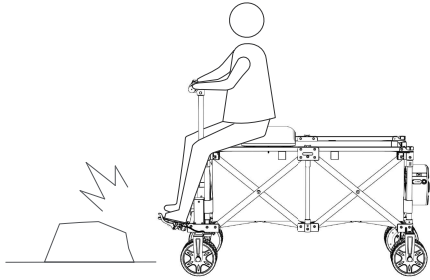
To tighten, grip the drum brake arm and turn it counterclockwise.

To loosen, grip the drum brake arm and rotate it clockwise.

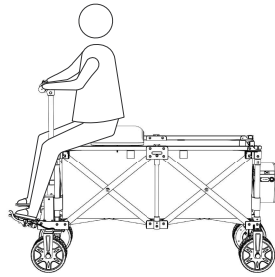
⚠ Caution

1. Adjustments require care and patience. Make small adjustments each time to avoid the brake being too loose or too tight.
2. After adjustment, conduct a road test to verify braking performance and ensure safety. Readjustment is necessary if the brakes behave abnormally.
3. Regularly check the braking performance of the mechanical drum brakes, as daily use may cause wear on the brake shoes that reduces braking effectiveness.

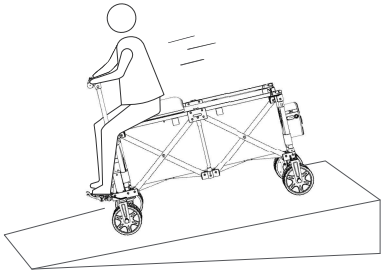
Potential Hazard & Safety Precaution



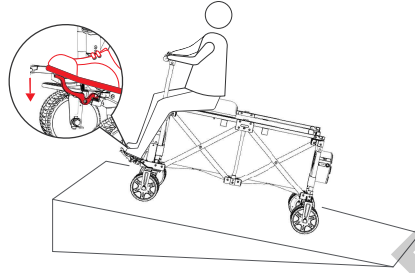
- ⚠ Avoid contact between the tires and surrounding obstacles, as this may cause wheel damage or pose a safety risk.



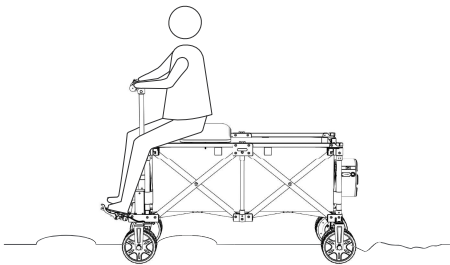
- ⚠ Do not ride while wearing sandals or with exposed toes and heels.



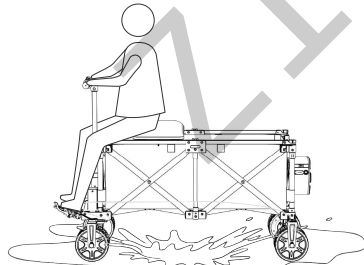
- ⚠ Do not descend at high speed. Always control your speed and use both foot brake and E-brake simultaneously.



- ⚠ To avoid rolling when parked on a slope, always engage the foot brake.

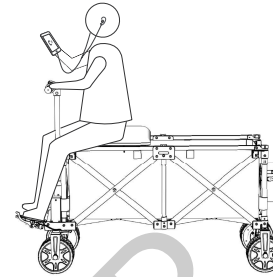


- ⚠ Reduce speed when approaching speed bumps, potholes, or uneven terrain. Maintain low speed on rough roads.

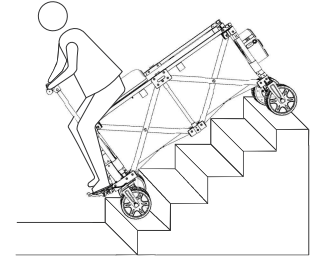


- ⚠ Do not drive through standing water. Driving in water can easily cause slipping and loss of control, and it may also damage the internal circuits, leading to danger.

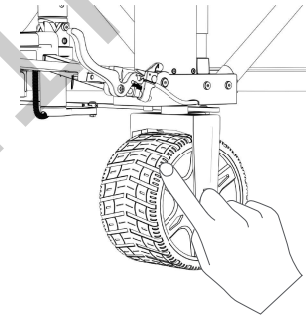
Do Not Attempt Dangerous Actions



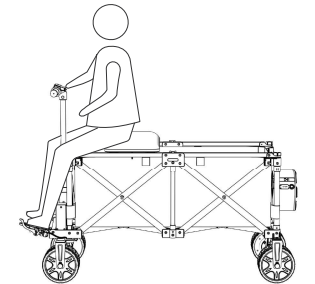
- ⊘ Do not use mobile phones, head-phones, or other electronic devices while riding.



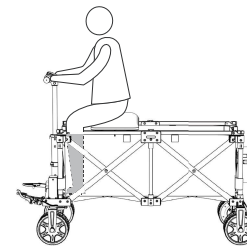
- ⊘ Do not ride on stairs or steps.



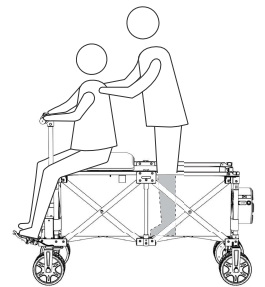
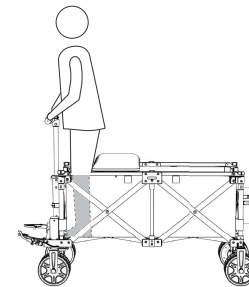
- ⊘ Do not touch any components within the wheel area, as operation may cause the hub motor to generate high temperatures.



- ⊘ Do not ride without holding the handlebars. Do not operate the cart with one hand.



- ⊘ Do not ride with feet on the frame or stand inside the cart—may cause accidents. Always fully unfold and lay flat the folding floor board before use. Do not stand inside while moving—the floor board has limited load capacity.



Daily Maintenance and Care

Cleaning and Storage

Clean the main frame with soft damp cloths. For stubborn stains, apply toothpaste and scrub gently with a toothbrush before wiping clean. After cleaning, apply lubricant sparingly to joints and moving parts to prolong component life.

Bag Removal/Cleaning

Tire Removal Battery maintenance and removal **Reminder** Loosen the four star knobs on the support rods, as well as the Velcro straps at the four corners and bottom of the cloth bag. Remove the bag and clean it with a soft, damp cloth. Once cleaning is complete, reattach the bag to the cart, secure the Velcro straps at the corners and bottom, and tighten all the star knobs.

Reminder

Do not clean the cart with alcohol, gasoline, kerosene, or other corrosive/volatile solvents, as these substances may damage exterior finishes and internal components. Pressure washers or direct water spray are strictly prohibited.

The cart's IPX5 waterproof rating ensures safe operation in light rain conditions. However, prolonged exposure to heavy rain or extended operation in rainy conditions is strictly prohibited. While the battery meets IPX5 standards for water resistance, it is not designed to be waterproof against full immersion. Any complete submersion in water must be avoided, as liquid penetration may cause irreversible damage to internal components. Please note such water damage is not covered under the product warranty.

Warning

Before cleaning, ensure the cart is powered off, the charging cable is unplugged, and the charging port rubber cover is securely fastened to prevent electronic damage. When not in use, store in a cool, dry place indoors, as prolonged outdoor exposure to sunlight and extreme temperatures (high or low) will accelerate component aging and reduce service life.

Tire Removal

Tire removal and installation should be performed by a professional. The process is relatively complex, and improper handling may lead to cart instability or other malfunctions. If any issues arise, please contact customer service support@zillpro.com.

Battery maintenance and removal

Well-maintained batteries retain optimal performance even after extended use. Recharge after each ride and avoid full depletion. At 77°F (25°C) ambient temperature, the battery delivers peak range and performance. Below 32°F (0°C), range and performance decline significantly (At -4°F (-20°C), the same battery's runtime and performance drop to half or lower compared to 77°F (25°C).), but will recover when temperatures rise.

Reminder

Charge the battery every 30-60 days and after each use. Fully depleting the battery may cause permanent damage. The built-in smart chip records charge/discharge data - damages from overcharge or undercharge are not covered by warranty.

Specifications

	ZIPR 2WD	ZIPR 4WD
Folding Type	Four-Way Converging Fold	
Cart Size	Unfolded 45.7×24.8×23.6 in (116×63×60 cm) Folded 18.9×11.4×31.5 in (48×29×80 cm)	
Cargo Volume	Internal Dimensions: 37.8×18.1×13.4 in (96×46×34 cm) Narrow Point Dimensions: 35.4×16.9 in (90×43 cm) Narrow-point Dimension: This refers to the distance between the screw ends at the inner intersection points of the "X" frame along the length/width direction. It determines the maximum size of large items that can be loaded.	
Cart color	Combat Black	
Frame Material	6061 Aluminum Alloy, Carbon Steel, 30% Fiber-Reinforced Nylon, 304 Stainless Steel	
Cloth bag fabric	Oxford fabric	
Max. Capacity	772 lbs (350 kg) (Static)	
Cart Weight ^①	61.73 lbs (28 kg)	72.75 lbs (33 kg)
Max. Carrying Capacity ^②	551.2 lbs (250 kg) (Dynamic)	661.4 lbs (300 kg) (Dynamic)
LCD Instrument Cluster	2.4-inch TFT Full-color HD, 320x240 Resolution	
Instrument Cluster UI	2WD Version	Exclusively for 4WD Version
Riding Speed	0~10 mph (0~16 km/h)	4WD 0~10 mph (0~16 km/h) Front / Rear wheel 0~9 mph (0~14 km/h)
Towing Speed	0~6 mph (0~9 km/h)	
Steering Control	Folding Ackermann Steering + Intelligent Dual-Drive Differential Control Algorithm	
Powertrain Calibration	2WD	Off-Road
Drive System	Front Dual Hub Motors	4WD Hub Motors
Motor Power	1500W (MAX)	3000W (MAX)
Tire Size	6.5" diameter, 3.94" (100mm) width	
Tire Type	4× All-Terrain Solid Rubber Tires	
Brake System	Front Dual Regenerative Braking Rear Dual Mechanical Drum Brakes	6-Brake System 4-Wheel Regen Braking Rear Dual Mechanical Drum Brakes
P-mode Parking Lock	Standard / Automatic	
Battery Type	LiFePO ₄ 32700 11S	
Battery Nominal Capacity	12Ah	
Battery Nominal Voltage	36V	
Comprehensive Range ^③	18.6 miles (30 km)	4WD: 9.3 miles (15km) FWD: 12.4 miles (20km)
Discharge Rate	60A cont. (5C)	Max. 90A (5C)
Battery management	BMS 8-Protection (Over-Voltage / Over-Charge / Over-Discharge / Overload / Over-Current / Over-Temp / Short-Circuit / Cell Balancing / Fireproof Housing)	
External Power Outlet	DC Integrated Charge/Discharge, 36V/10A Output	
Charging Parameters	Charging Current: 3A, Charging Time >3h	
Front Lighting System	6-LED Matrix Light Set	
Auto Shutdown	Mainboard: 10 min, Battery: 60 min	
Waterproof Rating	IPX5	
Version Identification	2WD LONG RANGE	4WD DFF ROAD
Pre-Installed Accessories	—	Tow Hitch Receiver

① The cart weight does not include battery, seat, and folding floor board of the cart.

② The maximum load capacity applies only to flat and hard surfaces.

③ Preconditions for driving range: Read item 4 of "User Notice".

※Product specifications may change due to upgrades. Please refer to the actual product for current details.