

User Manual

C1 Plus Folding Electric Scooter



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After-Sales Support



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Attention

- This electric scooter is intended for riders aged 18 and above.
- For single riders only; not designed for carrying passengers.
- Ensure the scooter is fully charged when not in use. Charge it at least once a month.
- Check tire pressure before riding. Recommended pressure: 2.2-2.5 bar. Regularly monitor tire pressure during use.
- Always wear a helmet, knee pads, elbow pads, and appropriate footwear while riding.
- For assistance, contact us at cssscooter@8nd8.com.



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Configuration

Packing List



Charger



Bicycle Pedals



Allen key



User manual

Assembly

Steering Stem



1. Put down the kickstand to keep the e-scooter upright. Locate the folding mechanism on the steering stem.

2. Open the folding mechanism to the appropriate angle.



3. Align the up and down arrows on the sticker, then insert the folding mechanism on the steering stem into the steering column to ensure correct installation.

4. Tighten the screw securely to ensure proper steering functionality.

Assembly

Steering Stem



5. Firmly push the folding lever towards the steering stem to securely lock it in place.

6. Please verify that the installation is correct and secure.

Handlebar Quick Release



1. Open the handlebar quick release and carefully remove the relevant parts and store them safely.

2. Insert the scooter's horizontal handle into the quick-release slot and slide the movable parts into place.

Assembly

Handlebar Quick Release



3. Ensure the movable part of the quick-release mechanism slides into place properly.



4. Tighten the screws firmly.



5. Securely close the quick-release mechanism.

Seat



Open the quick-release lever on the seat post mount and insert the seat post. Adjust the seat height to your preferred position, then securely close the quick-release lever.

Assembly

Baskets



Align the holes on the middle basket with the holes on the scooter's deck, then tighten the screws.



Remove the four mounting screws from the luggage basket above the rear mudguard. Adjust the luggage basket and secure it in place using the screws you just removed.



Connect the brake light cable behind the rear basket

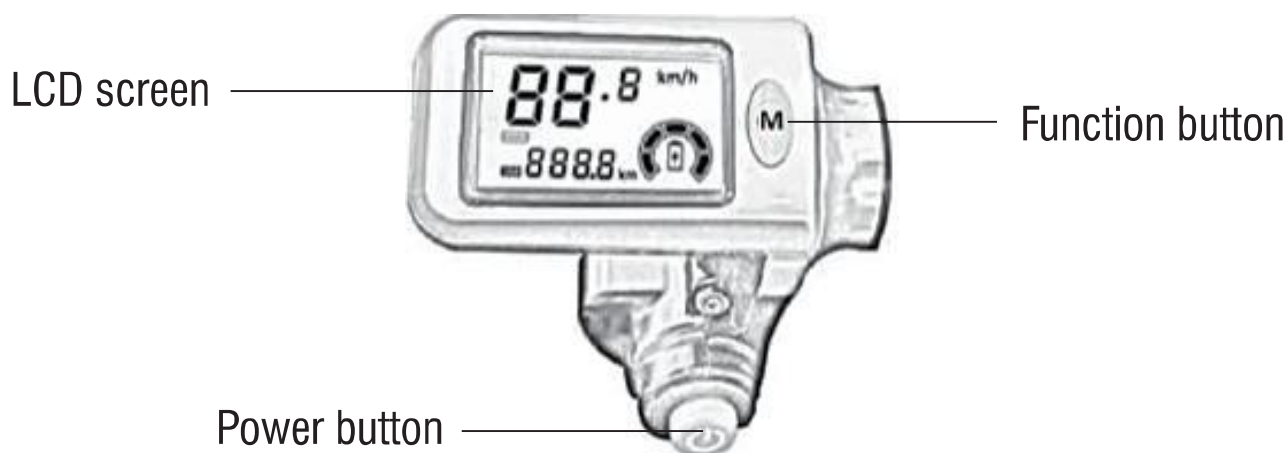
Pedal



Install the screws into the corresponding screw holes and tighten them.

Display Functions

Main Display Elements



Key Indicators



Power On/Off

- Power On: Long press the power button once to turn on the device.
- Power Off: Long press the power button again to turn off the device.

Switch Modes

- Press the "M" button once to cycle through Mode 1, Mode 2, and Mode 3.
- Each mode is associated with a different speed limit.
- Model 1: 12.4MPH / Model 2: 15.5MPH / Model 3: 18.6MPH

Display Functions

Operating Instructions

Switch Lights On/Off

- Turn Lights On: Double press the "M" button to turn on the lights.
- Turn Lights Off: Double press the "M" button again to turn off the lights.

Switch Mileage Display Content

- **By default**, the display shows the single trip mileage (TRIP).
- **To Change Display:** Long press the function button for more than 3 seconds to cycle.
- **through the display options:** Cumulative Mileage (ODO) → Single Trip Mileage (TRIP) → Battery Voltage (UXX.X) → Failure Code (ERR).

Notes

- Each time the device is restarted, the single trip mileage will reset, while the cumulative mileage will continue to accumulate.
- If no fault is detected, the fault code will be skipped during the mode switch.

Fault Code Display

- When a fault is detected, the "ERR" icon will appear on the screen. The corresponding fault code will be displayed in the mileage area. Please refer to the attached table for the meaning of the fault code.

Low Battery Warning

- When the battery is low, a low battery warning icon will appear. The scooter can still travel a short distance, but it is recommended to charge it immediately.

Display Functions

Fault Code Table

Code	Meaning
000	Normal
002	Brake Handle Fault
006	Battery Undervoltage
007	Motor Fault
008	Rotating Handle Fault
009	Controller Fault
010	Instrument Communication Reception Fault
011	Controller Communication Reception Fault

Battery Storage

Battery Care and Usage

- **Regular Charging:** Always ensure the scooter's battery is fully charged when not in use. Charge it at least once a month to avoid complete discharge, which can damage the battery.
- **Optimal Operating Temperature:** The ideal temperature range for battery operation is between 10°C and 30°C. Charging or using the scooter outside of this range may result in reduced performance and battery life.

Battery Handling Warnings

- **Do Not Disassemble:** Never attempt to disassemble or remove the battery from the folding electric scooter. If a replacement is needed, seek professional assistance and follow the manufacturer's and authorized retailer's guidance.
- **Avoid Heating or Burning:** Never expose the battery to excessive heat or dispose of it in an open fire.
- **Proper Disposal:** Always dispose of battery cells at designated recycling points. Do not throw them in household waste.
- **Keep Battery Contacts Dry:** Ensure that moisture does not come into contact with the battery terminals, as it can cause damage.

Battery Maintenance

- **Store in a Dry, Cool Place:** For best battery life, charge and store the scooter in a dry, clean environment with temperatures between 0-40°C.
- **Charging Time:** The Folding E-Scooter takes approximately 5 hours to fully charge.
- **Avoid Permanent Charging:** Do not leave the charger connected to the battery or power supply indefinitely, as this can negatively affect battery life.
- **Do Not Cover While Charging:** The scooter and charger must not be covered during charging.

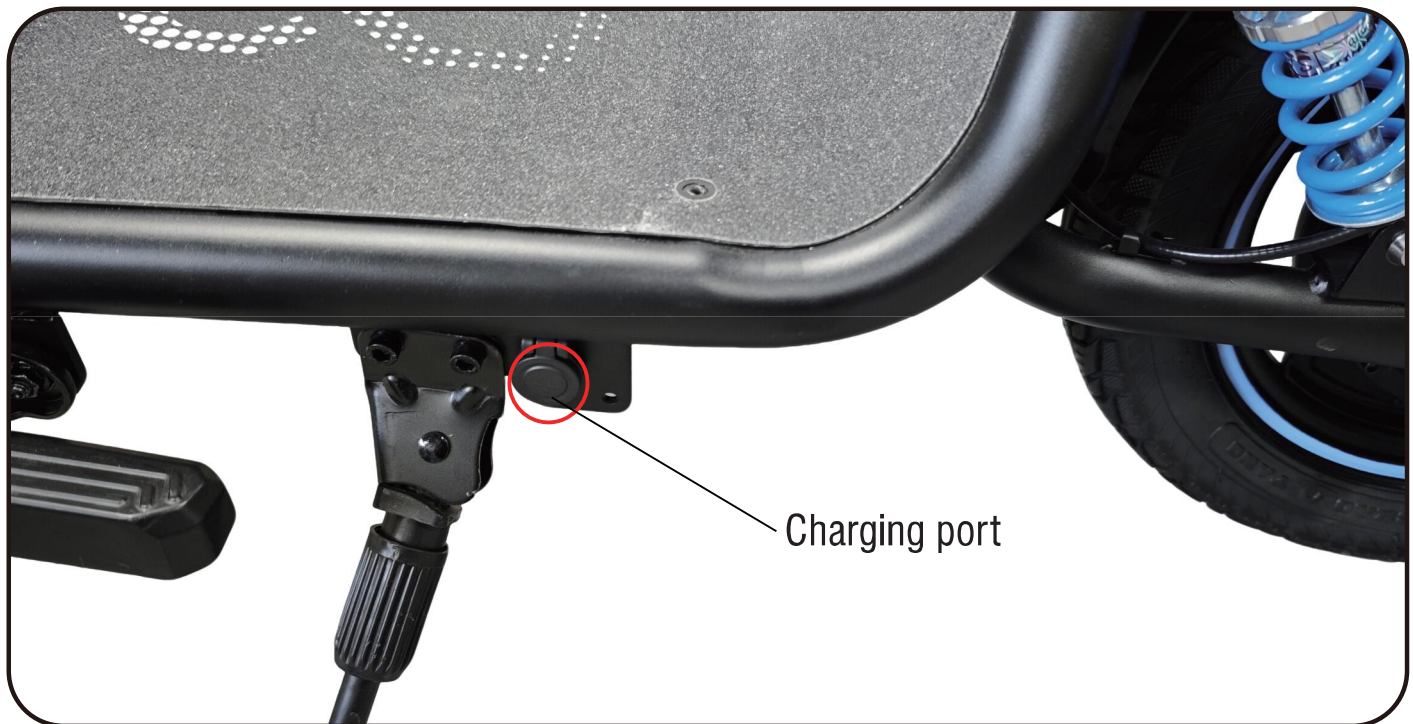


Disposal



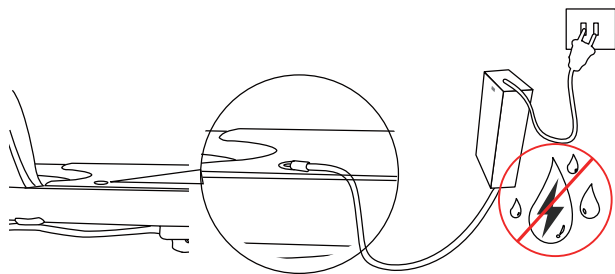
Battery Charging Guidelines

Charging Instructions



- **Turn Off the Scooter:** Before charging, make sure the scooter is completely turned off.
- **Positioning the Charging Port:** The charging port is located at the back of the pedal. Refer to the diagram for the exact position.
- **Opening the Protective Cover:** Open the protective cover of the charging port to ensure the charging port is fully exposed.
- **Charging Environment Requirements:** Place the scooter in a stable and dry place for charging. Keep away from flammable materials and avoid charging in high-temperature or humid environments. Do not use the scooter while the battery is overheating or charging.
- **Use the Original Charger:** Always use the original charger that comes with the scooter. Non-original or incompatible chargers may damage the battery or cause safety issues.
- **Connect the Charging Cable:** Insert the charging cable into the charging port to ensure a secure connection.

Battery Charging Guidelines



No wet occasions!



No wet hands!

Additional Safety Notes

- **Keep Hands and Charging Port Dry:** Always ensure your hands are dry when handling the charger or scooter to avoid the risk of electric shock. Additionally, ensure the charging port is dry before connecting the charger to prevent moisture-related issues.
- **Check Cables for Damage:** Before charging, inspect the charging cable for any visible damage or fraying. Damaged cables may pose a risk of electric leakage or shock. If you find any damage, do not use the charger and replace it with a new one.

Charging Precautions

- **Voltage Compatibility:** The charger is compatible with 100-240V/50-60Hz voltage and is suitable for most regions.
- **Charging Indicator Light:** When charging, the indicator light on the charger will turn red. When the battery is fully charged, the indicator light will turn green. Disconnect charging at this time.
- **Monitor Battery Temperature:** Pay attention to the battery temperature during charging. If overheating is detected, stop charging immediately and check the battery. Overheating may indicate internal battery failure and should be addressed promptly.
- **Avoid Overcharging:** During the charging process, ensure the charger is securely connected to avoid loosening. Do not leave the device charging for too long. Disconnect the charger immediately after the battery is fully charged. Extended overcharging may shorten the battery's lifespan and pose safety hazards.

Battery Safety Measures

If you encounter any of the following issues or are unsure whether your scooter's battery has a problem, please immediately stop using the scooter and contact professional customer service for assistance:

- **Battery Overheating:** If the battery becomes excessively hot during charging, disconnect the charger immediately and allow the scooter to cool down. Do not resume charging until the temperature has returned to normal.
- **Battery Leakage:** If you notice any leakage from the battery, do not attempt to use the scooter. Contact customer service right away and avoid handling the battery to prevent further damage or safety risks.
- **Strange Smells or Noises:** If you detect unusual smells or noises coming from the battery while charging, stop charging immediately. Disconnect the charger and inspect the battery for any visible damage. If unsure, contact customer service for guidance.
- **Changes in Battery Shape or Color:** If the battery shape becomes distorted or the color changes, stop using the scooter immediately. Such changes may indicate internal damage or malfunction. Reach out to customer service for assistance.
- **Avoid Short Circuiting:** Ensure that the battery terminals are not exposed to metal objects. Short circuits can damage the battery or cause a fire. Store the battery away from items that may cause such accidents.
- **Fire Safety:** In case of battery overheating, smoke, or fire, do not attempt to extinguish the fire with water. Use a Class D fire extinguisher designed for metal fires, or immediately contact emergency services.

Safety Riding Guidelines

Pre-Ride Inspection

- Ensure all parts of the E-scooter are properly installed and free of damage.
- Check that the brake system is functioning correctly.
- Confirm that the folding mechanism is securely locked.
- Make sure the battery has enough charge for your ride.
- Ensure the handlebar is firmly fixed.
- Verify that the front light, rear light, and bell are all working correctly.
- Regularly check tire pressure and inflate as necessary. The recommended tire pressure is 2.5 bar.

Choose a Safe Riding Area

- Find a spacious, flat area of at least 4m x 20m for practice, either indoors or outdoors.
- Familiarize yourself with the surroundings and avoid distractions from cars, pedestrians, pets, or other obstacles.
- It is recommended to have a skilled assistant who is familiar with e-bike riding and the precautions listed in this manual.
- After cleaning the scooter, make sure to dry it thoroughly to ensure safe brake performance. Wet conditions may cause delayed brake reaction.

Riding in Safe Conditions

- Avoid riding on smooth, wet, or slippery surfaces.
- Increase braking distance on rainy days.
- Do not use the E-scooter in adverse weather conditions, such as rain, snow, or ice. If you choose to ride in such conditions, ensure the brake system is fully operational.



Safety Riding Guidelines

To ensure your safety while using the electric scooter and reduce the risk of accidents, please follow these essential safety rules:

Prioritize Safety

- Riders should be 18 years or older. The scooter is designed for single rider use only; no passengers allowed.
- Pregnant women or individuals with physical or mental health conditions should not use the scooter.
- Always follow local and national electric scooter laws and speed regulations.
- Riding an electric scooter involves movement, which can lead to loss of control, falls, or other dangerous situations. While safety measures can reduce risk, they cannot eliminate it entirely. Ride at your own risk and always use common sense.

Wear Protective Gear

- Always wear a helmet and other protective gear (such as knee and elbow pads) for personal safety.
- Wear comfortable clothing and flat shoes to maintain stability while riding.

Prepare the Riding Environment

- Before riding, choose a flat, open area to practice. Ensure there are no obstacles, vehicles, pedestrians, or pets nearby.
- Be aware of your surroundings and avoid distractions like cars, people, or pets. Check the scooter's key components (brakes, battery, tire condition) to ensure everything is functioning properly before you ride.

Safety Riding Guidelines

Speed and Control

- Do not ride at high speeds in unfamiliar or crowded areas. Adjust your speed according to road conditions and environment.
- Avoid sudden acceleration or deceleration on slopes, especially on inclines exceeding 15°.
- Start slowly, accelerate smoothly, and use both front and rear brakes to stop safely. Never rely solely on the front brake to stop.
- Always keep both hands on the handlebars for safe operation.

Avoid Unsafe Weather and Terrain

- Avoid riding in rain, snow, or on wet surfaces. If you must ride in these conditions, reduce speed and ensure your brakes are functioning well.
- Do not ride on grass, cobblestone roads, or in water deeper than 30mm.
- Avoid riding in wet, humid, or poorly lit environments. Do not ride on steep inclines or hazardous terrain.

Regular Inspection and Maintenance

- Before each ride, check key components like the brakes, wheels, handlebars, and tire pressure. Ensure everything is secure and undamaged.
- Make sure the scooter's battery is fully charged and the scooter is in good condition.
- Regularly inspect the overall condition of the scooter to ensure it's operating optimally.
- Maintenance and part replacement should be performed according to the manufacturer's instructions. Professional installation and servicing are recommended.

Safety Riding Guidelines

Avoid Dangerous Actions



1. Always wear a helmet and protective gear when riding.



2. Do not ride on slopes steeper than 15°, and avoid sharp acceleration or deceleration on inclines.



3. Do not ride up or down stairs, or in high-traffic areas like highways.



4. Be cautious of obstacles and slippery surfaces. Never ride on grass or cobblestone paths, and avoid riding through water deeper than 30mm.

- The scooter is for single-rider use only; do not carry passengers.
- When riding for the first time, avoid speeding. Gradually increase your speed once you are familiar with the scooter's handling. This scooter is suitable for riders between the ages of 18-60 and weighing no more than 265 lbs.
- Avoid distractions while riding. Do not use a mobile phone or wear headphones. Refrain from riding alongside other moving vehicles.
- Do not perform stunts or misuse the scooter for extreme sports or tricks.

Safety Riding Guidelines

Battery Maintenance

- Due to the nature of lithium batteries, charge the scooter at least once a month to maintain battery health.
- Battery damage due to improper use or maintenance is not covered by warranty.

Water Protection

- Avoid prolonged exposure to water, as this can damage the battery and electronic components.
- Never submerge the scooter in water, as this can cause damage to the electrical system and drivetrain.
- Use a damp, soft cloth for cleaning. Do not spray the scooter with water.
- By following these safety guidelines, you will greatly reduce the risk of accidents and ensure both your safety and the safety of others while riding.

Maintenance and Care

To ensure optimal performance and longevity of your Folding E-Scooter, please follow these maintenance guidelines:

Pre-Ride Checks

- Before each ride, ensure that all screws, lock levers, and quick-release clamps are tightened securely.
- Verify that the tire pressure is correct.

Cleaning

- Clean your scooter with a soft, damp cloth only.
- For stubborn dirt, you may use plastic polish as per the manufacturer's instructions.



Note:

- Never use alcohol, cleaner's naphtha, acetone, or any other corrosive or volatile chemical solvents as they can damage the scooter's exterior and interior surfaces.
- Avoid cleaning the scooter with a high-pressure water jet or pressure washer, as this may cause damage.



Warning:

- Ensure the scooter is switched off and the charging socket cover is securely closed before cleaning to avoid electric shock or damage.

Maintenance and Care

Storage

- Store your scooter in a cool, dry place when not in use.
- Important: Do not store the scooter outdoors or expose it to direct sunlight or extreme temperatures.
- This can accelerate the aging of the plastic components and reduce battery performance. After each ride, turn off the scooter and charge the battery.
- Operating the scooter with a completely discharged battery may cause irreparable damage. Damage from improper use is not covered by the warranty.
- Never attempt to remove or open the battery.

Battery Care

- A well-maintained battery will continue to perform well even after many.
- Kilometers of use. Always charge the battery after each ride and avoid running it completely empty.
- Note that battery performance decreases in cold temperatures (see the "Using the Battery" section for more details).

Altitude and Environmental Considerations

- Devices are not intended for use at elevations greater than 2,000 meters above sea level.
- Prolonged exposure to UV rays, rain, and other elements may damage the scooter's exterior materials. Store the scooter indoors when not in use.



Warning:

Risk of fire or electric shock – no user-serviceable parts.

By following these maintenance steps, you can extend the life of your scooter and ensure it remains in optimal working condition.

Maintenance and Care

Brake Caliper Adjustment

To ensure optimal braking performance, it is important to regularly check and adjust the brake calipers of your scooter's disc brakes.

Tools Required

- Allen key.
- Rubber band.

Adjustment Steps

- Slightly loosen the two brake caliper mounting bolts until the brake caliper can be moved.
- Secure the brake lever with the rubber band to center the brake caliper.
- Tighten both brake caliper mounting bolts again.
- After removing the rubber band, check if the wheel can rotate freely.
- For a video tutorial on how to adjust the brake pads, simply scan the QR code on the manual's cover page.

Brake calliper mounting bolts



Note:

- The adjustment process is the same for both the front and rear brakes.

Regular brake adjustments are essential for safe and efficient riding. Ensure that the calipers are properly aligned to maintain braking performance.

Specifications

Material	Iron
Maximum Range	Approx. 30 miles*
Maximum Speed	Approx. 18.6MPH*
Bike Weight	63 LBS
Maximum Load	300 LBS
Display	LCD
Wheel Size	14" pneumatic tires (front and rear)
Brakes	Dual disc brakes
Charger	100-240V / 50-60Hz
Charging Time	Approx. 5 hours
Battery	48V DC, 13.5Ah lithium battery
Airborne Noise Emissions	58 dB
Vibration Intensity	0.09-0.13 mm/s
Gradeability	15°
Operating Temperature (Riding)	10°C - 40°C
Storage Temperature	20°C - 45°C
Minimum Load	55 LBS



Note:

- These are guide values based on a rider weighing approximately 165 LBS, with a fully charged battery, on smooth, even road surfaces, and under optimal temperature conditions. If riding in cold weather, the mileage will significantly decrease.

Warranty

This warranty does not cover the following situations:

- **Improper Use:** Any use of the product other than its intended purpose.
- **Negligence or Improper Maintenance:** Damage caused by improper operation, care, maintenance, or storage, such as exposure to moisture, extreme temperatures, or neglect.
- **Unauthorized Repair or Modification:** Any repair or modification carried out by unauthorized individuals or service providers. Self-repairs conducted under the guidance of manufacturer or authorized Retailer will not affect the warranty.
- **Physical Damage:** Damage resulting from accidents, collisions, misuse, or abuse.
- **Transport-Related Damage:** Damage caused by improper packaging or transport.
- **Mechanical or External Impacts:** Damage resulting from mechanical influences, falls, impacts, fire, flood, earthquake, lightning, or other external forces.
- **Absence of Proof of Purchase:** Warranty is only valid with the original proof of purchase.
- **Commercial Use:** If the product is used for commercial purposes, the warranty is void. For products that need to be returned, shipping costs will be borne by the purchaser if the warranty does not apply.



Note:

- The warranty will be void if the product is used for commercial purposes.

Storage and Disposal

Proper Storage Conditions

- Avoid storing the scooter in direct sunlight, as prolonged exposure to high temperatures can damage the battery and impair scooter performance.

Dry Storage

- Ensure the scooter is stored in a dry environment. Humidity or wet conditions can harm the scooter's electronic components.

Battery Maintenance

- When the scooter is not in use, the battery may gradually lose charge. It is recommended to check the battery at least once a month to ensure it holds a full charge.

Avoid Prolonged Inactivity

- Extended periods of inactivity may lead to battery failure. Ensure the scooter is regularly used or charged.

Cold Weather Care

- In winter, cold temperatures can cause the battery to discharge more quickly. Keep this in mind when storing or using the scooter in cold environments.

Storage Tips

- Improper storage can reduce the lifespan of the lithium battery or cause other mechanical issues. Always store the scooter indoors in a cool, dry place to maintain optimal performance.

Disposal Instructions

- Dispose of the scooter's packaging responsibly: Paper and cardboard should be disposed of as waste paper. Foils should be placed in the recyclable collection bin.

Declaration of Conformity/Certificates

- Please refer to the enclosed leaflet for details on the product's certificates and declaration of conformity.

Disclaimer

Thank you for purchasing and using our C1S electric scooter. To ensure your safety and correct usage of this product, please read all the contents of this manual carefully before use. Please note that the following disclaimer applies to the use of this product, ensuring that you understand the related risks and follow the necessary safety guidelines during use:

1.Product Safety Warning

This product is intended for use only in accordance with the operating instructions outlined in this manual. Any improper use or failure to follow the operating guidelines may result in product damage, personal injury, or property loss. The company is not responsible for any consequences arising from improper use or neglecting safety warnings (e.g., misuse, speeding, overloading, etc.).

2.User Responsibility

Users must ensure that this product is used correctly according to the requirements and safety tips outlined in this manual (such as regularly checking the vehicle's condition, prohibiting modifications, or altering the product's intended use). The company is not responsible for any damage, accidents, or injuries caused by failure to comply with operational and maintenance requirements.

3.Legal Compliance

When using this product, you must comply with national laws, regulations, and local traffic rules. The company will not be held responsible for any consequences arising from violations of these laws and regulations.

4.Scope of Disclaimer

The company is not liable for any loss or damage caused by natural disasters, abnormal use, accidental events, or unauthorized repairs and modifications (including self-modification of the product and its usage). Users should independently assess whether they meet the required conditions for using the product, such as age, weight, and environmental requirements. The company is not responsible for any accidents beyond the normal scope of use.

Disclaimer

5. Quality and Warranty Terms

The company provides a quality guarantee and after-sales service for the product, but this only applies to defects under normal use. Issues arising from misuse, improper operation, or third-party interference are not covered by the warranty. The company reserves the right to determine whether to provide after-sales service based on specific circumstances.

6. Product Modifications and Changes

The company reserves the right to upgrade, improve, or modify the product without the obligation to notify users who have already purchased it. The contents of this manual are based on the latest available information. As the company's products are continuously updated and improved, any discrepancies between the manual and the actual product purchased are to be understood and accepted.

7. Scope of Disclaimer Applicability

This disclaimer applies to all actions related to the use of this product, including but not limited to all content in this manual. Any disputes related to this product will be governed by applicable law and resolved by the appropriate judicial authority.