

STREETBOOSTER



STREETBOOSTER 5S

USER MANUAL

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GETTING STARTED WITH THE STREETBOOSTER 5

1.1 What' s in the Box

The package includes:

- 1x STREETBOOSTER 5
- 1x Charger
- 1x User Manual
- 1x Assembly Instructions

- 1x Valve Adapter
- 1x Allen Wrench
- 1x T-Wrench

- 14x Allen Countersunk Screws
- 1x Small Bottle of Thread Lock
- 1x License Plate Holder

- 2x Cross Slot Pan Head F-Type Self-Tapping Screws
- 2x Battery Compartment Screws

If any items are missing from the package, please contact your authorized dealer.

We recommend keeping your packaging during the warranty period.



Our packaging is fully recyclable.

Please store your box during the warranty period.

After the warranty period, please dispose of it responsibly.



To avoid the risk of suffocation, keep plastic packaging away from children.

Warning

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

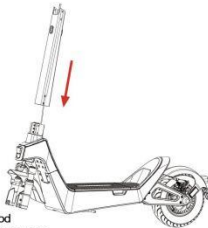
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

12 Installing Your New Electric Scooter

Our technicians have fully inspected your new electric scooter and performed partial assembly. It is almost ready to ride—just follow these simple installation instructions to get started!

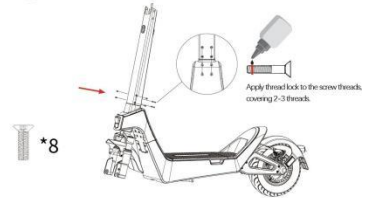
1



Install the Vertical Rod

Remove the protective packaging and insert the vertical rod vertically into the frame.

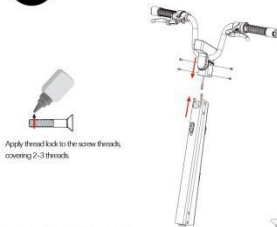
2



Install the Vertical Rod Screws

Before installing screws, use thread lock. First, install the four M6x12 Allen countersink screws on both sides of the vertical rod. Then, install the four M6x12 Allen countersink screws on the back of the vertical rod to the connection.

3



Install the Front Assembly

First, connect the data cable, then insert the front assembly into the vertical rod and tighten the two screws (using thread lock).

4



Install Brake Cable Adjust the brake.

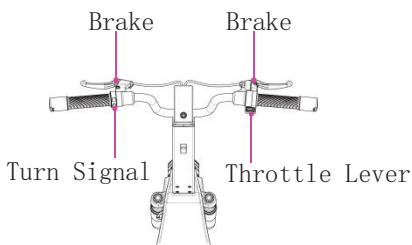
Test the brake function by squeezing the brake handle. If the braking power is insufficient, loosen the drum brake holder screws, tighten the brake cable, and secure it.

2 How to Safely Use Your Electric Scooter

2.1 Riding Instructions

1. To start your electric scooter, press and hold the multi-function button in the center of the display screen for 2 seconds until the screen turns on.
2. Before starting to ride, fold up the kickstand. Place one foot on one side of the footboard and push off the ground with the other foot to help the scooter move forward.
3. Once the scooter starts moving, use your thumb to press the throttle to accelerate. The throttle will only activate when you reach a speed of 3 km/h.
4. Turn the handlebars left or right to steer.
5. You can pull the brake handle to slow down the scooter. The brake will activate both the rear electronic brake and the front drum brake simultaneously.
6. To stop, reduce your speed until you are almost stationary. Then, place one foot on the ground and wait until the scooter is completely stopped before shifting your weight to the grounded foot.

Quick Tips for Riding :



1. Controller:

Use your right thumb to operate the throttle and your left hand for the brake and indicators.

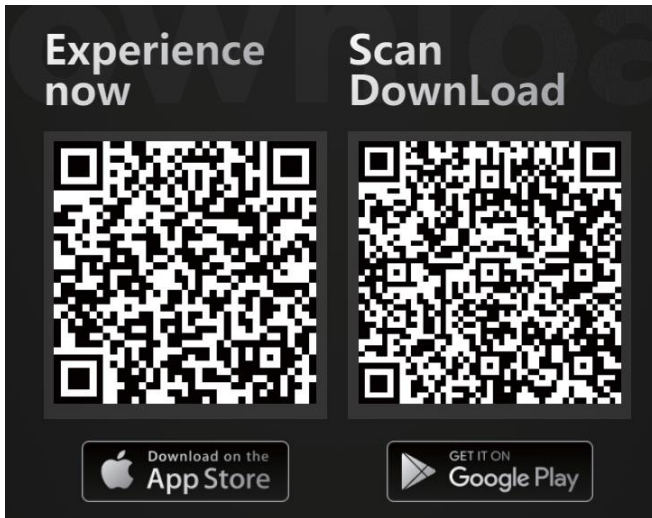
2. Choose Riding Mode

Turn on the switch, double-tap the multi-function key to select your riding mode.

22 STREETBOOSTER MOBILE APP

You can connect your STREETBOOSTER 5 via Bluetooth using the mobile app on iOS and Android devices. Use the app to display metrics such as speed, battery level, and estimated range.

For more details, scan the QR code to download the app:



23 Basic Maintenance Tips & Recommendations



1. Keep Tires Properly Inflated

Properly inflated tires reduce the risk of punctures and provide better performance.



2. Care for Your Battery

Charge your scooter at least once a month.



3. Ride Safely and Responsibly

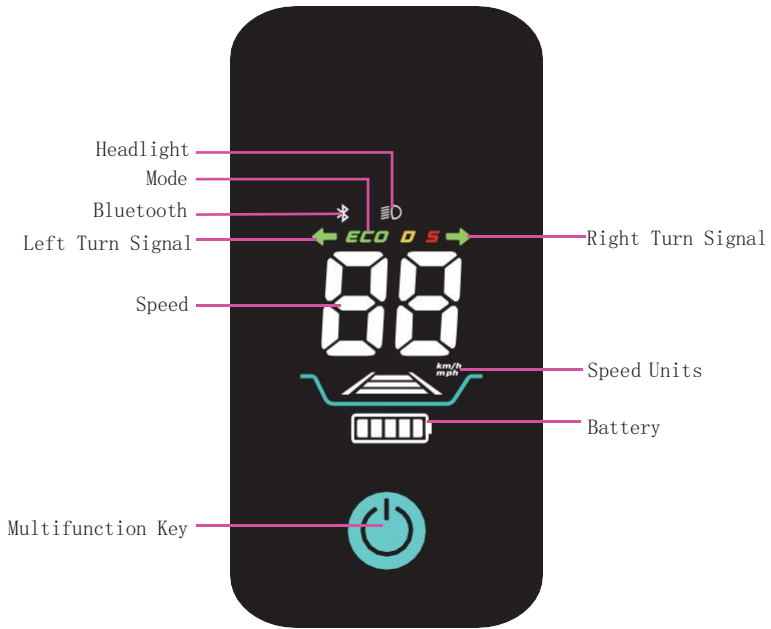
Wear a helmet, use lights, turn signals, and follow local laws.



4. Regular Maintenance

Regularly maintain your STREETBOOSTER 5 (following the steps in this manual) to minimize performance issues

24 Display Screen



On/Off

Press and hold the multi-function button for 2 seconds.

Headlight On/Off

Simply short press the multi-function button.

Change Speed Unit:
Short press the multi-function button 4 times.

Change Riding Mode

Double press the multi-function button to cycle through 3 riding modes (Standard /High-Speed/Walking mode).

2.5 Battery and Charger

How to Charge

Your electric scooter is powered by a lithium-ion battery. The following instructions will help you understand and use your battery effectively.

- Before your first ride, fully charge the battery.
- Ensure the electric scooter is turned off while charging.
- Always charge in a dry, clean, and tidy environment, avoiding direct sunlight.
- When the indicator light on the charger changes from red to green, the charging cycle is complete.
- Unplug the charger from the outlet first, then disconnect the other end of the charger from the electric scooter.

Safety Instructions

- If you notice any damage to the charger or charging cable, do not use it and contact [support].
- Avoid charging in extreme temperatures. Only charge the scooter in an environment with temperatures between 5° C and 40° C. ◦
- Always charge in a safe, well-ventilated area (e.g., away from flammable materials, children, and pets, and avoid direct sunlight). After charging, unplug the charger.
- Do not leave the electric scooter unattended while charging.
- Only use the original charger that comes with the electric scooter or an official STREETBOOSTER replacement charger for charging.
- If you do not use the electric scooter for an extended period, we recommend fully charging it at least once a month. ◦

2.5.1 Battery Charging

While charging, all normal functions of the electric scooter are disabled.

26 Waterproof Performance

This electric scooter is designed for outdoor use, with a waterproof rating of IP65. Therefore, you can use the scooter in the rain and ride through puddles, but avoid submerging parts of the scooter or the entire scooter in water. Damage caused by this will void your warranty.

Further information about the protection provided by the IP65 rating can be found online and in the following details:

Completely dust-proof. Fully prevents the ingress of dust and other particles, including vacuum sealing, tested against continuous airflow.

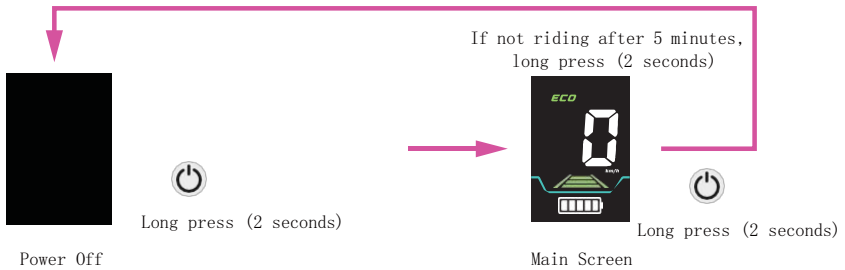
Protection against low-pressure water jets (6.3 mm) directed from any angle limited ingress permitted without harmful effects).

2.7 How to Use the Display Screen

On your electric scooter's display screen, you will find a multi-function key at the bottom.

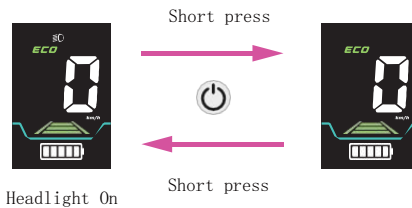
2.7.1 Power On/Off

Press and hold the multi-function key for 2 seconds to turn the scooter on or off. The scooter will automatically turn off after 5 minutes if not ridden to save battery.



2.7.2 Headlight

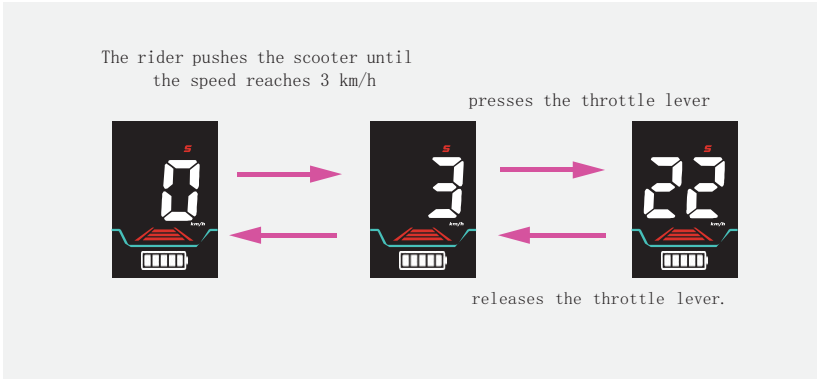
After turning on the scooter, short-press the multi-function key to turn the headlight on or off.



2.7.3 Speed

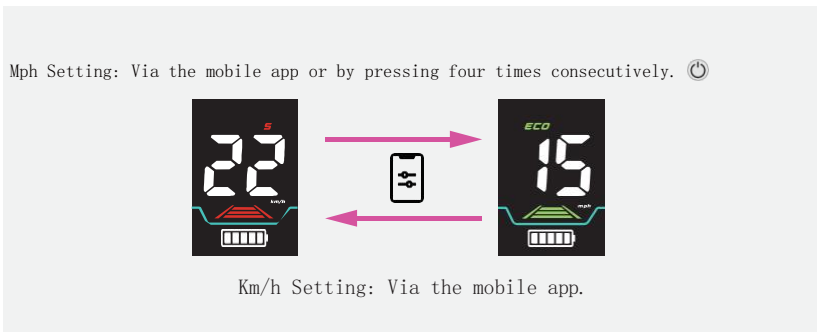
The current speed is displayed in large digits in the center of the screen.

When the speed is below 3 km/h, the throttle cannot be activated. If the screen shows a speed lower than 3 km/h, push the electric scooter until the speed reaches 3 km/h, then press the throttle lever with your thumb to activate the throttle.



2.7.4 Units

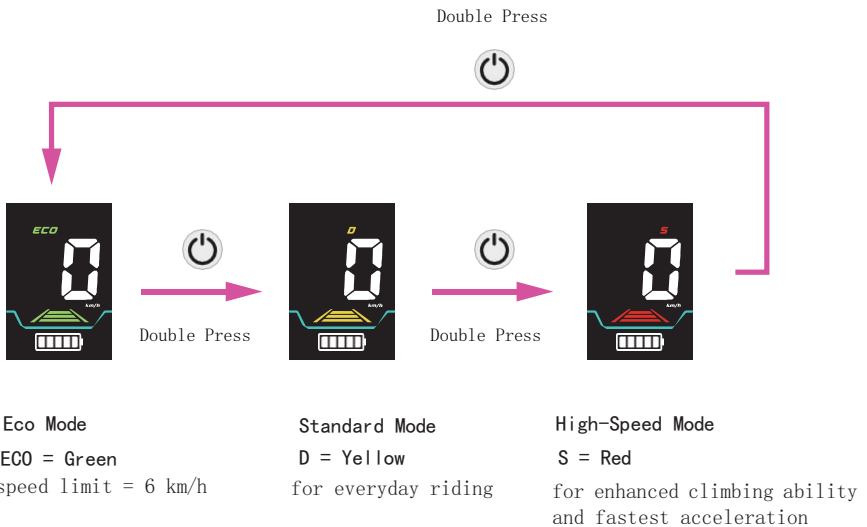
By default, the scooter displays speed in kilometers per hour (km/h). To switch to miles per hour (mph), connect via Bluetooth and change the settings on your phone.



2.7.5 Riding Modes

Riding modes are indicated by icons above the speed display. The scooter defaults to "Normal" mode on first use. Double-tap the multi-function key to cycle through the riding modes.

When the electric scooter is turned off, the selected riding mode will be saved.



2.7.6 Turn Signals

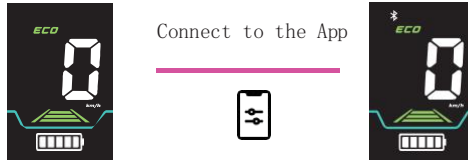
Turn signals are activated by pressing the left or right indicator buttons. The green arrows on the screen will blink in sync with the turn signals. Press the button again to turn off the signal. .

The turn signal will automatically turn off 30 seconds after being activated.

2.7.7 Bluetooth

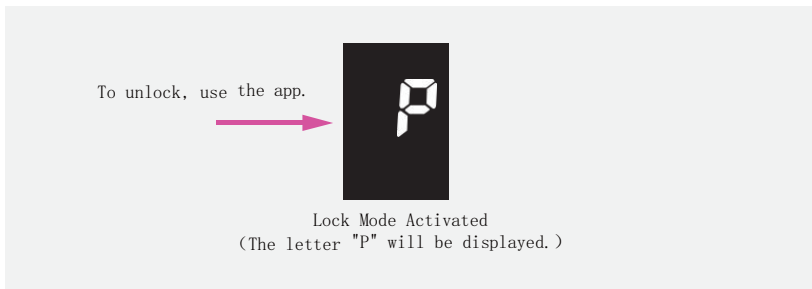
When the scooter is powered on, Bluetooth is in pairing mode.

If connected to the app, the Bluetooth icon will appear on the left side of the screen.



2.7.8 Locking Function

Use the app to lock the scooter. The lock icon will appear on the screen when the scooter is locked. The scooter will be difficult to move, and Bluetooth will disconnect during this time.



2.7.9 Battery

The battery level and status are displayed below the speed indicator.

The battery level is divided into 5 bars, as follows:

If the charge is below 20%, only 1 bar will be shown.

If below 10%, the first bar will flash.



3 Maintaining Your Electric Scooter

3.1 Pre-Ride Inspection

Regular maintenance helps ensure safe riding and prolongs the scooter's lifespan. Before each ride:

- Check that all screws and nuts are tight, especially the handlebars, chains, brakes, and front and rear wheels.
 - Check the tires and pressure to ensure they are within the recommended range (36-50 psi).
-

3.2 Maintenance

- After each use, clean the scooter thoroughly with a damp cloth. (For details, see section 3.4).
- If you find loose parts such as the vertical rod, folding lever, or foot board hinge, contact j.dietermann@streetbooster.de for guidance.
- Regularly check tire pressure before riding, ensuring it's within the recommended range of 36-50 psi. Within this range, lower tire pressure will make the ride more comfortable, while higher tire pressure will provide more efficient riding performance.

3.3 Storage

Store the scooter in a dry place, avoiding direct sunlight.
Charge the battery at least once a month if not in use.

Do not store the scooter in temperatures above 50° C or below -20° C, as this can cause damage. Low temperatures can reduce battery capacity, affecting the range of the scooter.

3.4 Cleaning

To avoid corrosion, clean the scooter after each use.

- Use a slightly damp sponge or cloth, then dry with a towel.
 - **Avoid excessive water or harsh chemicals.**
This is because they may damage the electric scooter and its battery. .
 - Prohibited to use a high-pressure cleaner to wash the electric scooter.
-

3.5 Maintenance

For all warranty repairs, your electric scooter must be serviced with official parts provided by authorized suppliers and repaired by STREETBOOSTER.

Alternatively, any local electric scooter repair shop can assist with minor non-warranty repairs (read the "Warranty Section" for more details on warranty coverage and exclusions). Visit the "Accessories" page on our website to find common replacement parts like inner tubes, so you can carry the exact parts needed for repairs.

Unauthorized use of non-official parts, or modifications by unqualified personnel will void the warranty.

The battery of this electric scooter cannot be replaced by users. Please replace the battery through STREETBOOSTER.

For more repair questions, contact us via our website www.STREETBOOSTER.com.

3.6 Safety Measures

This electric scooter is intended for use by individuals aged 16 and older.

It can also be used by those with reduced physical, sensory, or mental capabilities, or lacking experience and knowledge, provided they are under adequate supervision or guidance and understand the risks involved in riding.

Children should not use the electric scooter. Children should not clean or maintain the scooter without supervision. Do not insert hands between the cover and the frame when closing the cover.

Ensure the scooter is only used with its supplied power device.

The owner is responsible for ensuring all users read the user manual before use. If you sell the scooter, you must include the user manual.

STREETBOOSTER is not liable for damages, losses, injuries, costs, or disputes caused by ignoring the user manual or local traffic regulations, parking requirements, and handling rules.

The user manual includes basic assembly and operation instructions. Contact your seller if you have questions about safety and use. In this manual, the user is generally referred to as "you".

If you believe your scooter is missing components or suspect damage as described in Section 1.1, contact STREETBOOSTER within 30 days of purchase.



Warning

As with any mechanical component, vehicles are subject to high pressure and wear. Different materials and components react differently to wear or metal fatigue. Parts may suddenly break if they exceed their expected lifespan, potentially causing injury.

Cracks, scratches, or discoloration in high-pressure areas indicate that the component has exceeded its lifespan and should be replaced.

4 Troubleshooting

4.1 Error Messages

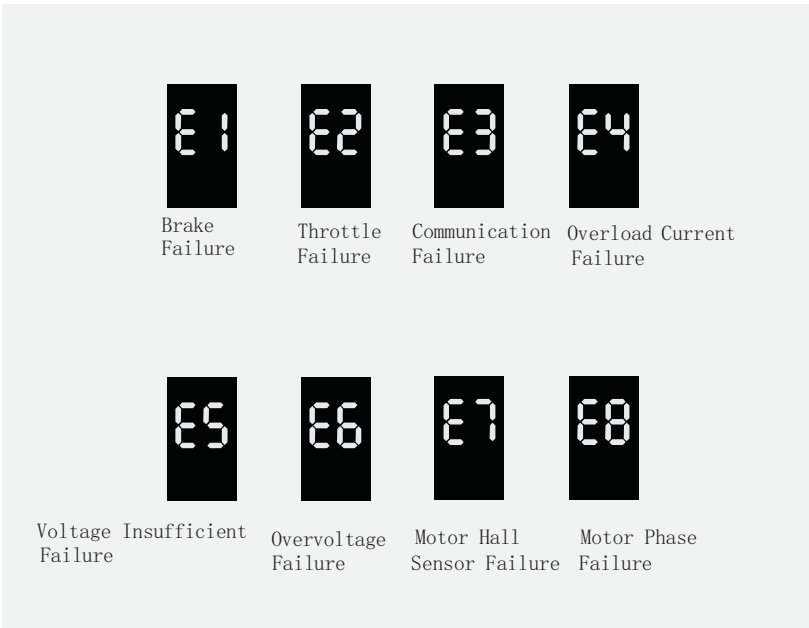
Your electric scooter is set to display error messages under specific conditions, indicating a malfunction.

If the display shows an error message: Slow down and stop your scooter.

Email STREETBOOSTER at j.dietermann@streetbooster.de with the error code.

STREETBOOSTER's team will assist you with the next steps to get your scooter running again.

For reference, the following error codes are provided:



5 Warning, Warranty, Technical Information



Note

5.1 Intended Use

- This electric scooter is specifically designed for personal short-distance travel on asphalt and paved surfaces, providing necessary tire grip. Traditionally, bicycles and skateboards were commonly used for personal travel.
- This electric scooter should not be used on loose surfaces such as gravel or sand, nor on slippery surfaces like wet cobblestones, ice, snow, or metal surfaces.
- Avoid hitting potholes and obvious edges.
- This electric scooter is intended for use by only one person at a time.
- The electric scooter is suitable for individuals aged 16 and above.
- You must comply with local traffic regulations when riding this electric scooter.
- The rider's weight, including backpacks and any other items carried, should not exceed 120 kg. Exceeding the weight limit may result in injury to the rider and/or damage to the scooter, voiding the warranty.
- Any items attached to the handlebars may affect the stability of the vehicle.
- The rider's height should not exceed 2 meters.
- According to traffic regulations, riding this electric scooter on highways in the UK is illegal and uninsured. However, with the owner's consent, it is legal to use it on private land. Regulations vary by location; make sure you are always familiar with and follow local laws and regulations.
- It is the user's responsibility to understand and comply with the rules applicable to the riding environment. This applies to all countries. These rules may include (but are not limited to):
 - Minimum age requirements/Speed limit requirements
 - Required protective gear/Traffic regulations
- Do not modify the electric scooter or use accessories that are not approved by STREETBOOSTER.
- Modifications may also affect safe riding and could lead to serious injury and/or damage.
- Replacing the handlebars will void the warranty unless the replacement is carried out by a STREETBOOSTER technician.

52 Safe Riding

Driving any vehicle carries risks, and this electric scooter is no exception. Like riding a bicycle, practice in a safe area, and if possible, have someone assist you during your first few rides. It is important to familiarize yourself with controlling the electric scooter before riding in environments where there is a risk of collision. Practice riding in a quiet area away from other vehicles and hazards.

Be sure to read and understand this user manual before riding.

Pre-Ride Inspection: Before each ride, check the brakes, wheels, and tires.

Do not ride if the brakes are damaged. You can use the brake lever on the left side of the handlebar to slow down the scooter. The brake lever activates both the drum brake and the electronic brake on the rear wheel. Squeeze the brake lever gently to use the brakes effectively in a controlled manner. Note that braking distance may increase in wet weather.

Steering System Check: Before each ride, ensure the steering system is working properly, the folding mechanism is securely latched, and the handlebars are firmly locked in place.

Footwear: Wear flat shoes when using the electric scooter. While riding, keep both feet on the scooter's foot-board unless you are just starting or about to stop. Wait until you have come to a complete stop before getting off the scooter.

Protective Gear: We recommend wearing protective gear (such as a helmet, knee pads, etc.) while riding the electric scooter.

Hand Placement: Always keep both hands firmly on the handlebars while riding.

Good Judgment: To reduce the risk of injury, you are responsible for using good judgment while riding the electric scooter. Do not ride after consuming alcohol or drugs, as they may impair your judgment. Use common sense to identify and avoid any actions that may endanger yourself, others, or others' property while riding.

Riding Conditions: This electric scooter is designed for outdoor riding on smooth, stable surfaces. You should ride according to your environment and always anticipate potential hazards (e.g., lighting, weather, other traffic factors, etc.).

Tire Contact: Both tires must always remain in contact with the ground to provide sufficient traction for safe riding (conditions permitting).

Repairs: If your electric scooter is damaged or worn, we strongly recommend getting it repaired.

Although this electric scooter has an IP65 protection rating (see section 2.6), you should be extra cautious when riding in wet conditions. After use in such environments, make sure to dry the scooter.

Do not use the electric scooter at temperatures below -10° C. This may negatively affect the performance and lifespan of the battery and motor.

Keep the electric scooter away from areas with humidity exceeding 90%.

Do not attempt to turn off the electric scooter while riding.

Be extra cautious when riding the electric scooter in dark environments.

Avoid riding in overly crowded places.

When approaching pedestrians or cyclists who may not see or hear you, use the bell installed on the scooter to alert them.

Do not alter the intended use of the electric scooter.

This electric scooter is not designed for performing stunts.

Regularly check the tightness of various bolts, especially those on the wheel axles, folding system, steering system, and brake system.

Remove any sharp edges that may develop from usage.

The kickstand must be folded up before stepping onto the electric scooter.
Do not step on the fender.

Any other relevant information may be added at the manufacturer's discretion.

The electric scooter must be serviced by authorized suppliers or stores using original parts. Any disassembly, modification, or use of unauthorized or non-original components by non-professionals will void the warranty.

If a component has exceeded its expected lifespan, it may suddenly break, potentially causing injury to the user.

Cracks, scratches, or discoloration in areas under high stress indicate that the component has exceeded its lifespan and should be replaced.

Like any mechanical device, the scooter experiences stress and wear. Different materials and components may react differently to wear or fatigue.



Warning

Be aware that the rear brake may become hot during use. Do not touch it after use.

5.3 Warranty

The electric scooter comes with a 12-month warranty starting from the date you purchase and receive the product. We cover original defects in materials and workmanship. This includes the labor and parts needed to keep the electric scooter functioning properly within the 12-month warranty period.

Please keep your proof of purchase for reference when claiming warranty service.

The original warranty can be transferred to a new owner if all original proof of purchase documents are transferred as well. However, the warranty period remains 12 months from the original delivery date to the original owner.

Consumable items are not covered by the warranty. These include, but are not limited to, the following:

Tires

Brake cables

Brake pads

Decorative items (e.g., paint, labels, and stickers)

Rubber covers

When You Cannot Use the Warranty

The warranty does not apply in the following situations:

The repair request involves consumables not covered by the warranty (as listed above).

The parts submitted for repair or maintenance have been misused, handled improperly, or used in violation of the manual. This includes (but is not limited to) improper usage, incorrect maintenance, improper storage, or damage caused by collision.

The repair request is due to an accident or negligence, or intentional damage to the scooter.

The repair request involves normal wear and tear or damage to surface or decorative items.

If the original proof of purchase cannot be provided, you will not be able to use the warranty. The proof of purchase, along with the serial number and the purchase date, is necessary to verify the warranty period of the electric scooter.

Any disassembly, modification, or use of unauthorized or non-official components or accessories by non-professionals will void the warranty. ◦

STREETBOOSTER only performs repairs covered under the product warranty. Please refer to the "Maintenance" section of the user manual for more information. If your electric scooter needs warranty-covered repairs, please email j.dietermann@streetbooster.de. Our STREETBOOSTER support team is always ready to assist you. ◦

54 Disposal



This symbol on the product indicates compliance with the European Directive 2012/19/EU. Electronic products should not be disposed of with household waste. Please recycle this product at an appropriate collection point. You can contact your local authorities or dealers for recycling advice. Proper disposal of old electrical equipment helps protect the environment and your health.



55 Serial Number

You can find the serial number at the bottom of the battery compartment of the electric scooter and on the outside of the packaging box.

Serial Number:

Model:

Owner:

5.6 Specifications

Model	FS-CW005S (Streetbooster Castor)
Dimensions	123 cm (Height) x 74 cm (Width) x 132 cm (Length)
Weight	34 kg
Frame Material	Aluminum Alloy
Rear Wheel Diameter	12 inches / 25.4 cm
Maximum Range	60 km
Climbing Ability	with 75 kg load, Up to 25% grade
Load Capacity	120KG
Rated Power	900W
Maximum Speed	≤ 45 km/h
Brake System	Front drum brake+ Rear disc brake
Battery	Lithium-ion
Rated Voltage	48V
Battery Capacity	13Ah
Charging Time	6.5 Hours
Bluetooth Frequency Range(s)	2400-2480MHz
Charger input	100-240V AC, 50-60Hz, 2.5A
Charger output	54.6V DC, 2.0A
Charger manufacturer	SHENZHEN FUYUANDIAN POWER CO LTD
Charger model	FY1505462000
Operating temperatur	-10℃-40℃

