

PORTABLE ELECTRIC SCOOTER



USER MANUAL BOOSTER V



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WARNING

YOU MUST READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL in order to ride safely and avoid injuries, collisions or loss of control.

Check local laws and regulations to see where and how you may use your E-TWOW scooter legally. Obey to all applicable laws for vehicles and pedestrians from your country.

This manual includes basic operational instructions for the E-TWOW scooter. It cannot cover all situations of hypothetical injury. **OPERATORS MUST USE GOOD JUDGMENT AND COMMON SENSE TO DETECT AND AVOID HAZARDS AND DANGERS** that they may encounter when riding the E-TWOW. By using the E-TWOW scooter, you accept the inherent risks of operating this product.

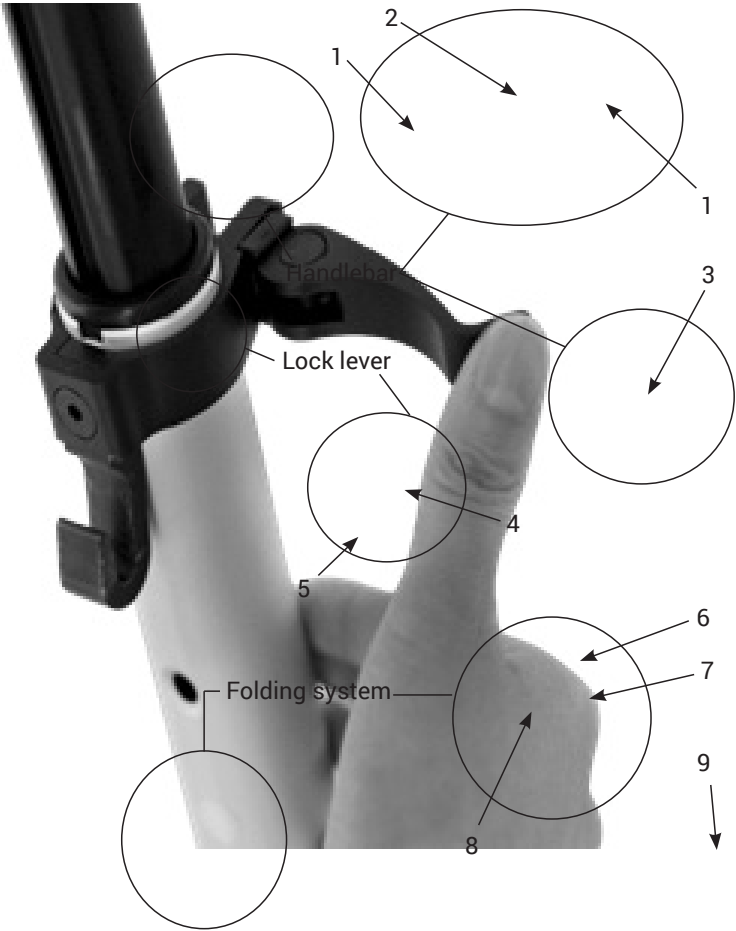
IMPROPER USE OF THE PRODUCT AND NOT FOLLOWING THESE WARNINGS CAN CAUSE SERIOUS INJURIES.

ALWAYS USE CAUTION!

SAFETY

1. The product is only for adults (above 18 years). Please do not carry two adults at the same time. Is not suitable for minors.
2. Always inspect the scooter prior to use. Properly inspecting and maintaining your product can reduce the risk of injury.
3. Please wear your safety helmet and other protective and signaling equipment when riding. Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place and protects the back of your head. Local legislations may require riders of two wheel products to wear a helmet and other protective and signaling gear. Never ride the scooter barefoot or in open-toed shoes or high-heels.
4. Do not ride on public roads or roads assimilated to public roads, in traffic lane or unsafe roads and do not break the regulations in your country.
5. Please exercise in wide areas, and ride only after you have a good control of the scooter.
6. Do not make any dangerous actions when riding or riding with one hand. Keep your feet on the scooter's platform.
7. Do not attempt to ride the scooter on stairs that are above 3 cm, it may overturn causing injuries and/or damages to the rider and/or scooter.
8. Highest speed is 25 Km/h. For your safety, please limit the speed to 20 Km/h. Please try to avoid using it at night, if needed, please limit the speed at 12 Km/h or less and turn the headlights on.
9. Products are sold with the speed limited according to legal regulations, any changes made to these limits by the user or resellers / distributors are made on their own responsibility, E-TWOW assumes no responsibility in these cases.
10. We don't recommend using the scooter when the outside temperature is lower than 0°C.
11. Please slow down or get off from the scooter when riding in poor road conditions.
12. Do not ride the scooter in oily or icy surface terrain.
13. Please adjust the handlebar according to your height to ensure a safe riding.
14. To avoid damages of the electrical parts of the vehicle please do not immerse the scooter in the water with the depth of more than 4 cm and do not wash it with water under pressure.
15. For protection, please do not ride the scooter in bad weather such as heavy rain and snow.
16. Do not drink alcohol and drive the **E-TWOW** scooter.
17. Please do not use your mobile phone or other devices while using the E-twow scooter.
18. The use of the E-TWOW electric scooter in violation of the provisions contained in this manual is done at the user's own risk and E-TWOW is relieved of any liability for any damages caused by inappropriate use of the product.

MAIN PARTS



- 1. Handlebar
- 2. Display
- 3. LED headlight
- 4. Lock lever
- 5. Folding hook
- 6. Battery charging jack
- 7. Folding lever
- 8. Folding axle
- 9. Rear brake

FOLDING/UNFOLDING STAGES

Folding stages



A – unfolded

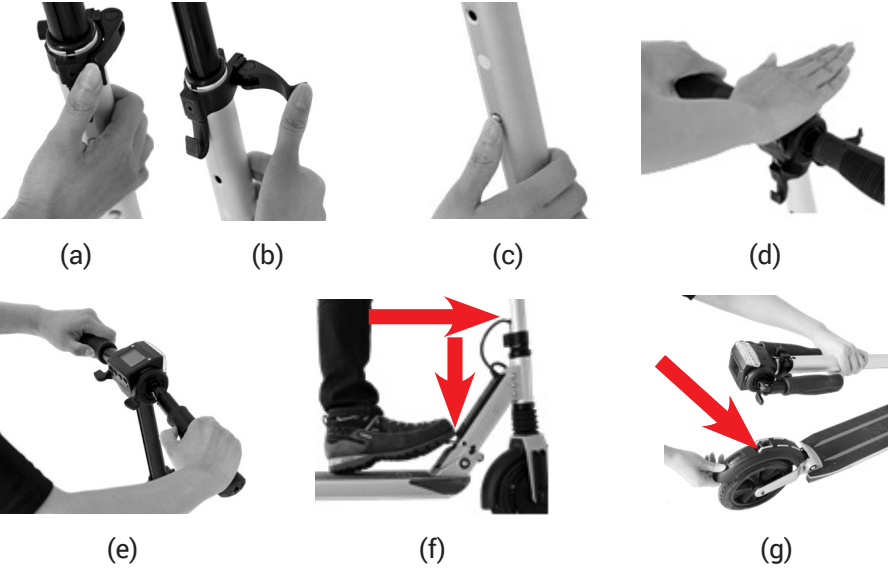
B - folded handlebars



C - fully folded

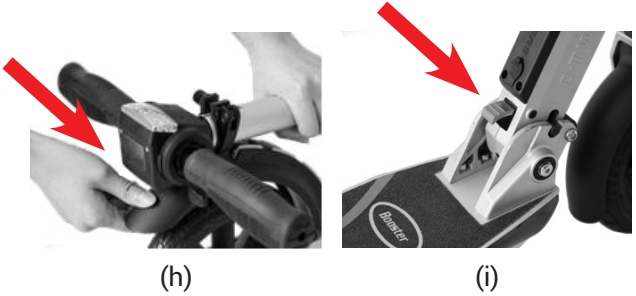
Folding steps

1. Open the **lock lever**, as shown in figure (a) and (b).
2. Press the **red button**, figure (c), at the same time press down handlebars as shown in figure (d) and push the **lock lever** to the lock position.
3. Hold the **handlebar** with both hands, push buttons shown in figure (e). Pull out the **handlebar** grips figure (e), up to the maximum and fold downwards to maximum like in figure B, from above.
4. Push the **handlebar** forward when you press the **folding lever** in the direction of the arrow in the figure (f).
5. Continue folding the scooter until the **folding hook** reaches the opening located on the **rear brake**, as detailed in figure (g).



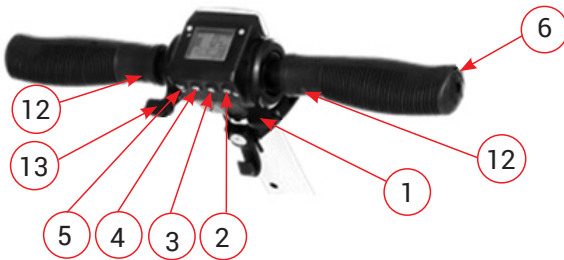
Unfolding steps

1. Press the **rear brake fender** in the direction of the arrow, as shown in figure (h), until the **folding hook** is released from the opening located on the rear brake. Then, lift the **handlebar** until it reaches the normal position and the **locking bolt** comes into place, like in figure (i).
2. Raise the two handles of the **handlebar** until they automatically return to the normal position, figure A.
3. Push the **lock lever** like is shown in figure (a) and (b) and lift the handlebars to the desired height. Now press the button shown in figure (c) and secure it in one of the two holes, as desired. Then close the lock lever and make sure that you always keep the lever secured and tightly closed.



OPERATION

1. Basic instructions



1. Thumb accelerator
2. Switch button handlebar
3. Setting button
4. On/Off light button
5. Horn button
6. Handlebar
7. Controller
8. Folding bar
9. Front fender
10. Battery front cover
11. Protection cover
12. Folding buttons
13. Thumb electronic magnetic brake



2. Operating Instructions

a. ON/OFF

Press the switch for 3 seconds, and the display will light up, indicating that the power is on. Press for 3 seconds if you want to turn it off. The scooter will turn off if you don't use it for more than 3 minutes.

b. Speed control

Press the right thumb lever accelerator to control the speed (1-36 km/h).

c. Braking control

Press the left thumb lever and the electronic magnetic brake will be activated. The more you press, the greater the braking force will be.

d. Horn

If you turn on the power, when pressing the horn button, it will honk.

e. LED headlight

In manual mode: Press the ON/OFF Light button when needed and there will be a sign in display indicates the light is turn on. Press the button again when you do not need the light. Keep pressed for a few seconds.

The scooter is equipped with a sensor light that detects the need of light. The light will turn on automatically (auto light mode) if the sensor detects poor ambient light.

For example: when is cloudy weather and the auto light mode is on, the light turns on. If the daylight is proper, the auto light mode detects the light and the headlights will go off after 5 seconds.

On auto light mode, the display is also lighted depending on the ambient light. If the scooter is on auto light mode, you can go to manual mode by pushing the ON/OFF Light Button until the sign "Auto" disappears from the screen. When the ON/OFF light button is turned off, it will stop the front light and, also the rear stop light. In this situation, the stop light will turn on only when the brakes are used.

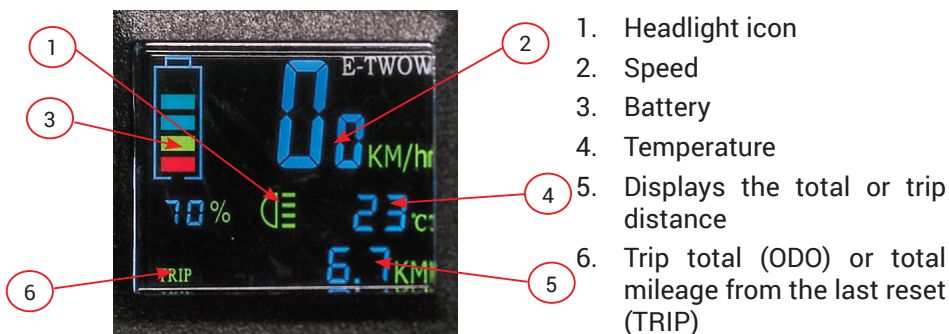
f. Mileage Show

When the display is powered, it displays 2 modes: total and trip. You can change it by pressing the settings button. In 'trip' mode, press the setting button (S) for 3 seconds and it will clear the trip.

g. Emergency braking

In case you need fast braking, it's recommended to use the foot brake.

3. Display factory settings



Menu for speed limit

- a. To set up a speed limit, please follow the steps detailed below:
- Turn off the display
 - Press and hold the thumb brake. Keep it pressed during the entire operation
 - Power the display
- The display will show "L1"
- b. Move to the option you want by pressing the [LIGHT] button:
- [LIGHT] L1-L2-L3-L4-L5
- To set up and save the speed limit you want, press the S - [SET] button
 - To finish the settings, release thumb brake and turn on the scooter



- L1 = Limit the speed to 6 km/h
L2 = Limit the speed to 12 km/h
L3 = Limit the speed to 20 km/h
L4 = Limit the speed to 25 km/h
L5 = Limit the speed to 30 km/h

Menu for settings

- a. To set up one of this options, please follow the steps detailed below:
- Turn on the display
 - Press and hold the thumb brake. Keep it pressed during the entire operation
 - Press the [POWER] button
- The display will show: P1
- b. Move to the option you want by pressing the [LIGHT] button: P1-P2*-P3**
- To set up and save the option you want, press the S - [SET] button
 - To finish the settings, release the thumb brake.



- P1 = Zero Start [ON/OFF]
P2* = Cruise Control [ON/OFF]
P3** = Sport function

* – If you want to stop the scooter while this function is activated, please use the thumb electric brake.

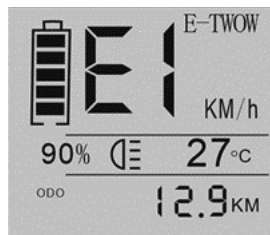
** – This function eliminates the speed limitation at 30 km / h, providing a higher engine speed and torque.

Note: To avoid any dangerous situation, we recommend using this function ONLY to climb hills. "

ERROR CODE

E1 – Overcurrent protection (Motor does not move for more than 4 seconds) - this error clears after release the acceleration throttle is released.

E2 – Communication error (No communication for more than 400 ms) - this error clears when starting the



communication.

E3 – Overvoltage error (Battery voltage higher) – this error clears if you put back the original battery.

RIDING OPERATION

Getting ready!

1. Choose a suitable venue for riding.
2. Unfold the scooter in accordance with the instructions.
3. Adjust the handle bar to the suitable height according to your stature.

Start

1. Press the power button to turn on the power.
2. Stand with one foot on the scooter and leave another foot on the ground.
3. Gently press down on the right thumb accelerator, the scooter will immediately move forward slowly. Place the foot which is on the ground on the scooter. With your right thumb press the right thumb accelerator. The bigger the pressure, the faster it will go.

Brake

1. **Electromagnetic brake** - pressing the left thumb electronic magnetic brake will activate the electromagnetic brake, which will power off the scooter and apply the brake. The more you press, the greater the braking force will be.
2. **Mechanic brake – E-TWOW** also has a mechanic brake, which is activated by pressing with the foot on the rear fender.

Cruise control - P2

This option allows the user to set and maintain a constant speed, without keeping the acceleration lever pressed.

Press the acceleration right thumb and keep the same speed for 5 seconds and the cruise control will automatically begin. Then you can release the acceleration lever, and the scooter will continue cruising with the same speed. You can switch the function off easily as well, by pressing the brake or acceleration lever gently. The cruise control function is not activated by default, you need to activate it after the purchase of the scooter. This function can be activated or deactivated from the central control unit, according to the user's needs.

If you want to stop the scooter while this function is activated, please use just the thumb electric brake, not mechanic brake.

Zero start - P1

This function is designed for safety reasons. The option allows the acceleration

to be activated only the scooter is first pushed with the foot and the wheel is in motion, ensuring that the acceleration lever is not actioned by mistake. The “zero start” function is not activated by default, you need to activate it after the purchase of the scooter. This function can be activated or deactivated from the central control unit, according to the user’s needs.

Maximum Speed Limitation - L1, L2, L3, L4, L5

A lot of countries have a legislation that imposes a speed limitation for electrical vehicles. Once a maximum speed is set, the scooter won’t exceed that speed. The maximum speed limit options are 6 km/h, 12 km/h, 20 km/h, 25 km/h, 30 km/h. This function can be activated or deactivated from the central control unit, according to the user’s needs.

BATTERY AND CHARGER

Each **E-TWOW** electric scooter is equipped with a special lithium ion battery and a special smart charger. These accessories that come with each scooter have a dedicated number, please do not use the chargers from other brands. If the battery or charger will be damaged because of these, our company will not be responsible. Also, each model has a different type of charger, as detailed below. The Booster V charger is marked: 41,5 V; 3 A.

Battery

The **E-TWOW** battery can be charged at any point, and it is advisable to keep it as much as possible fully charged.

Warning: Do not use batteries from other brands, it will not work with the **E-TWOW** scooter.

Please charge the battery once every three months, even if you don’t use the scooter, to maintain the battery fully functional and prolong its life span.

Water immersion, collisions, and other abnormal factors will lead to battery damages, which are not covered under warranty.

Charger

The company provides a dedicated charger which has a charging protection function: when the battery is 100% charged, the charger will automatically stop charging. Charging time is no more than 3 hours.

Water immersion, collisions, and other abnormal factors will lead to charger damages, which are not covered under warranty.

Charge Description

First put the charger connector into the power socket, then open the rubber protective cover and connect the charger plug to the scooter’s charging socket.

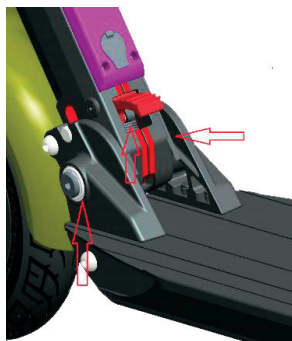
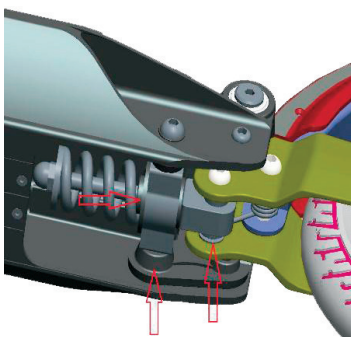
The scooter is charging when the charger light is red, and the charger light turns green when the battery is fully charged.



MAINTENANCE

Lubricating

Please add a small amount of grease or lubricants to handle folded position, rear shock absorber and all the joints of the scooter, every six months. Please check the scooter' screws every three months to ensure they do not get loose.



Battery

The lithium ion batteries provided by our company can be recharged at least 500 times, the normal use can reach more than 1,000 times.

Storage and care

Do not expose the scooter under the sun or wet places for too long time. Please store the scooter in a dry and warm environment, away from draft and moist, where the temperature is constant and at least 15 degrees. Please keep the scooter clean and dry.

For cleaning use a damp cloth and a mild detergent.