

MODSTER M750

USER MANUAL



Introduction

Welcome to the club of **e-Scooter** drivers!

We are happy that you decided to become part of the community and we are sure that you are going to be more than happy with our electro scooter!

This manual explains to you the most important notes which you have to consider and gives you tips for the maintenance of your MODSTER M750 e-Scooter and describes the correct use of your vehicle for a safe and long lasting usage.



All information are based on the technical status from the date of writing. Possible amendments and/or extension that happened in the meantime are not part of this version. You always can find the latest version of this manual at www.der-schweighofer.com.

If you have any questions or problems, please don't hesitate to contact us. Call us or write us a short e-mail to info@der-schweighofer.com for a quick and easy help.

Warning

Attention: Please always be aware of the fact that driving with electrical help is something you have to get used to. The acceleration and the force forward are many times more powerful than with a manual scooter. This unusual acceleration can lead to losing grip with the front wheel and thereby to a drop off the vehicle. Start carefully and always try to lean forwards a bit. Do never lean back while driving.

When reading this manual, please pay special attention to the following warning information:

 Warning	Warning: The improper use can use to injuries
 Note	Note: These parts require the users attention

Before commissioning

Before every trip you should check the MODSTER M750 e-Scooter for its traffic airworthiness.

The manufacturer delivered this vehicles ready to drive. As possible defects can occur through delivery or idle time of the product, please check the following points before the first usage, as well as before every drive:

Break: Check the functional ability of the break.

General condition: Inspect that all screws are tightened and that no parts are loose on the MODSTER M750 e-Scooter.

Battery charge level: Verify the charge level on the display.

The battery is only partly charged at delivery. Please charge the battery before the first trip.

Please note the laws and regulations in your country concerning road traffic and vehicle categories as they can vary from country to country and the MODSTER M750 e-Scooter does not meet all legal requirements for use on ordinary roads. Inform yourself on www.der-schweighofer.com

Study the chapter Warnings carefully before your first trip!

Important notes

General information

The MODSTER M750 e-Scooter is designed for the transport of a single person up to max. 100 kg and should only be used for this purpose. Failure to observe this warning is considered to be improper use and is at the user's own risk.

All interventions to increase the performance or speed and generally to change the characteristics of the scooter are punishable and are prosecuted by law. They will void the warranty.

The road traffic regulations must be observed at all times. You are obliged to inform yourself about applicable law in your country and to comply with it.

The MODSTER M750 e-Scooter is not a toy! It is not designed for the weight of children. We recommend a minimum age of 16 years and a minimum weight of 20 kg.

The serial number can be found on the underside of the footboard. Make a note of this.

Warning

Preparation for driving

Choose a flat road for your first ride and make sure there are no obstacles in your environment. Check whether the scooter has been fully extended and then correctly secured again. Make sure that the steering rods are screwed in properly and not loose. Check the brake for effectiveness and correct function. Test the pedal screws and make sure that they are tightened. Check the battery charge and that this is sufficient for your trip.

Safety informations

Only drive on a dry road. The ride on wet floor coverings can be very dangerous and must be avoided at all costs.

Never drive with motor support on the sidewalk. This is not only dangerous for you and your fellow human beings, but also illegal in many countries.

We recommend that you do not drive in the dark for safety reasons.

Always wear protective equipment, in particular a suitable helmet, which reliably protects you against head injuries.

Never brake by rubbing on the ground with your sole!

Beware of steep slopes! The braking performance is not sufficient in steep, rapid journeys to ensure a safe ride.

Drive slowly on your first ride to get used to the new kind of driving. Keep in mind that a higher speed also results in a longer braking distance.

Please also note that depending on the country, different maximum speeds and restrictions regarding maximum power apply to electrically assisted vehicles. It is your own responsibility to be informed accordingly and to stick to this.

If the vehicle is wet or after cleaning the vehicle, the brake system can be delayed by the moisture. Therefore the brakes should be „braked dry“ after cleaning the scooter carefully and on secure private ground.

For a long-term driving fun

Never use the MODSTER M750 e-Scooter on a wet road.

Do not jump with the scooter, as this will lead to excessive loads, which can result in damage to the scooter which is excluded from the warranty.

Be sure to always avoid slopping holes and drive at right angles over curbs and other obstacles.

Warranty notes

The MODSTER M750 e-Scooter may only be used on dry ground, any ride on wet surfaces will void the warranty.

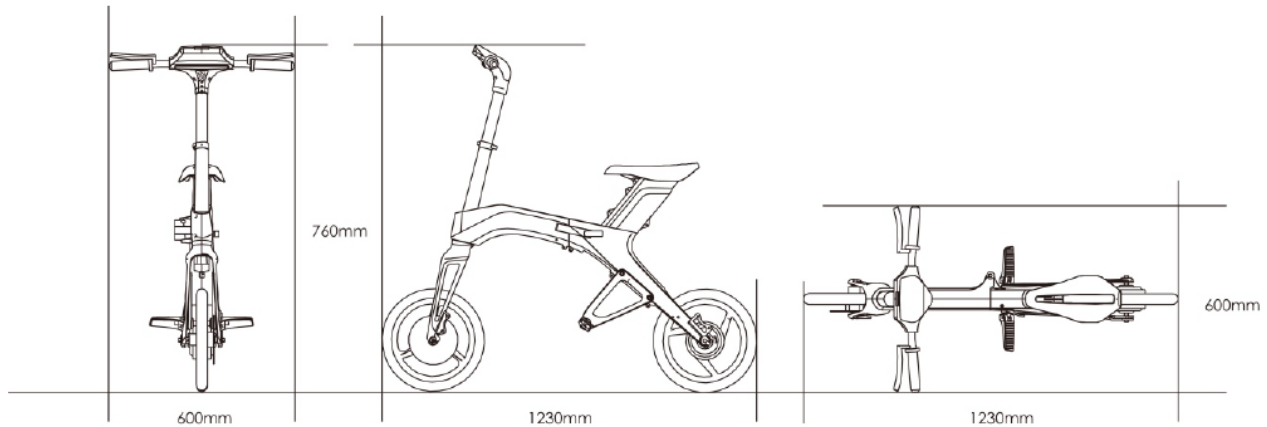
Do not perform any independent repairs. Always contact your service center. Any opening of the scooter will lead to the automatic lapse of the warranty. In individual cases, the manufacturer, in consultation with the customer, allows the opening of the footboard under certain conditions.

The „tuning“ of the MODSTER M750 e-Scooter is forbidden. It endangers your own safety as well as operational safety and reduces the life of your vehicle. In addition, this will invalidate the warranty.

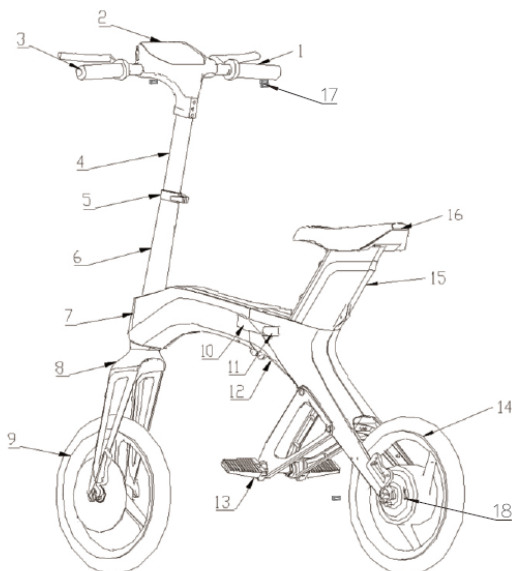
You will find more information at the chapter Warranty.

The MODSTER M750 e-Scooter

Technical view of the MODSTER M750 e-Scooter



Basic parts



1. Accelerator	10. Folding Joint Piece
2. Display Panel	11. Folding Button
3. Brake Handlebar	12. Battery
4. Upper Telescopic Rod	13. Pedal
5. Clamp	14. Rear Motor
6. Lower Telescopic Rod	15. Rear Case
7. Front Case	16. Saddle
8. Front Fork	17. On / Off Button
9. Front Tire	18. Speed Reducer

Contents:

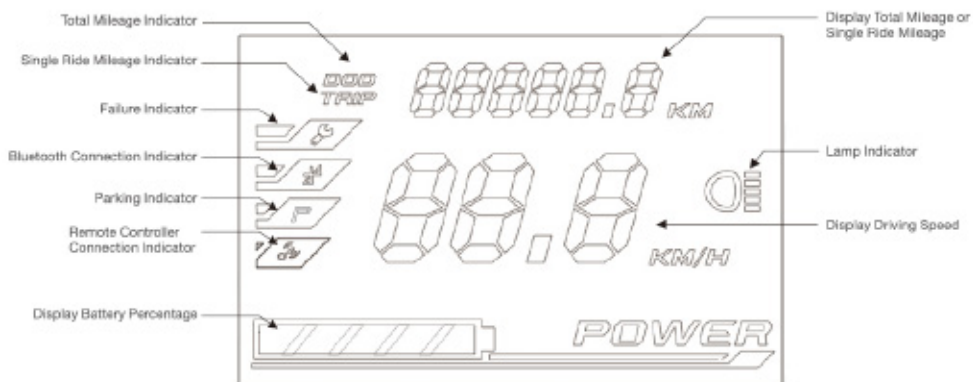
1. The Frame	9. Pedal
2. Upper Telescopic Rod	10. Seat
3. Foot Brace	11. Warning Light
4. Battery	12. Rear Fender
5. Charger	13. Product Manual
6. Screw Package	14. Warranty Card
7. Wrench Package	15. Battery Maintenance Card
8. USB Line	

Warning

After opening the box, please check the list of products first. If you have any problems please contact us directly.

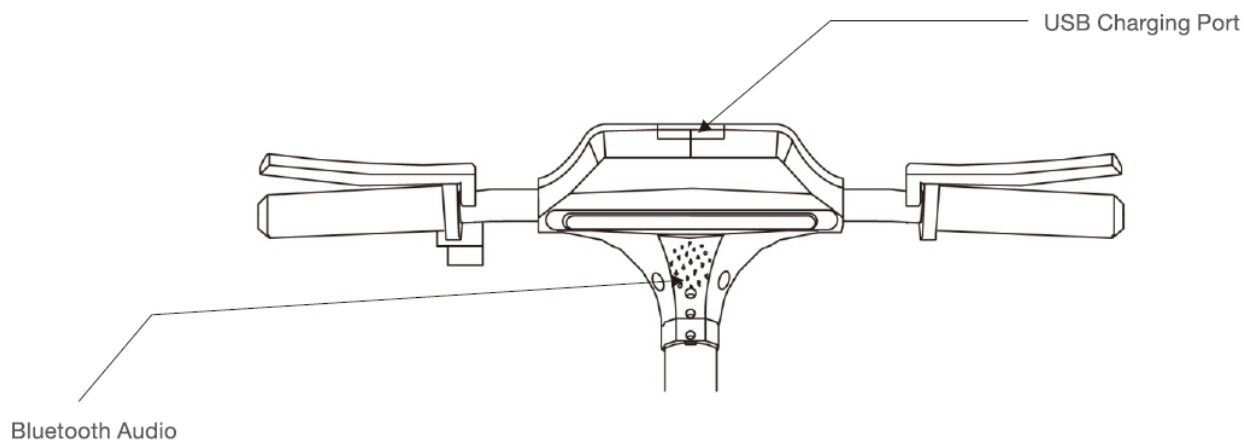
Display Panel:

The display shows you every operation status of the MODSTER M750 e-Scooter.



USB Charging Port & Bluetooth Audio

- Other electronic devices, such as mobile phones, iPad etc. can be charged using the USB charging port.
- Audio can be connected via bluetooth to play music.



Lithium Battery

This chapter mainly includes the specification, the correct charging, maintenance, safety notes etc. for the MODSTER M750 e-Scooter Battery

Specifications of the battery

Type	High configuration / Low configuration Battery
Charging Time	3 hrs
Voltage	48 V
Weight	approx. 1,7 kg
Initial Capacity	7000 mAh
Working Temperature	-20 C° - 60 C° (Recommended 0 C° - 45 C°)
Charging Temperature	0 C° - 45 C° (Recommended 10 C° - 30 C°)
Relative Humidity of Storage	80 +/- 25 % R.H.

Capacity of the battery

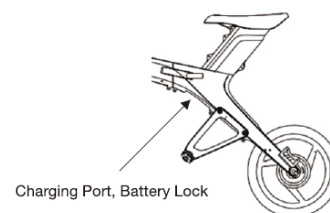
If the battery charge level does not show up on the display, it means that the capacity is extremely low. Stop driving immediately. If you ignore to stop the trip, the lifespan of the battery will be shortened significantly.

Warning

Always keep an eye on the charging level on the display and operate accordingly for your own safety.

Charging Steps

1. Insert one end of the charging cable into the charging port on the MODSTER M750 e-Scooter. Please make sure that the port is dry before putting it in. Afterwards connect the plug of the charger into the power socket.
2. When the indicator LED from the battery turns from red to green, the battery is fully charged.
3. The battery can be charged and detached to charge directly while locked in the MODSTER M750 e-Scooter.

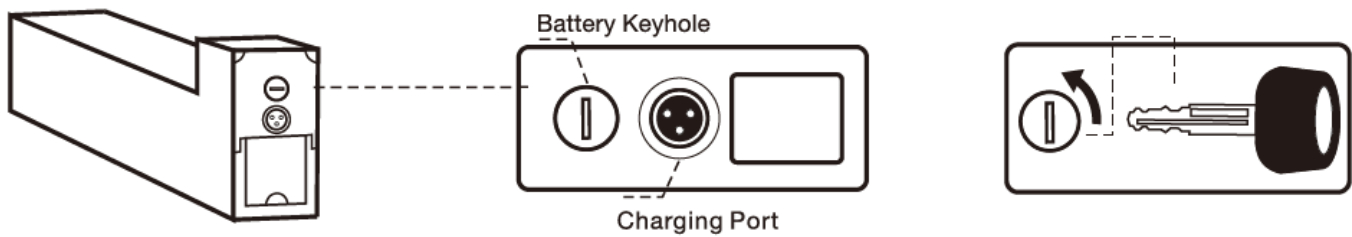


Warning

- Please use local standard plugs.
- Please charge and store the battery as described in the manual. Improper operation may cause damage to the battery and shortens the lifespan of the battery.
- The time to fully charge the MODSTER M750 e-Scooter is around 3 hours and the charging will automatically be stopped after the battery is fully charged.
- The battery has a limited lifespan. After approx. 600 loading cycles, the capacity declines to 80 % of the original capacity which leads to a shortened using time even though the battery is fully charged.
- Please fully charge the battery before your first trip. The battery will discharge gradually if it is not used for some time.
- The battery can be charged before capacity depletion.
- Please charge the battery between 10 C° to 30 C° to keep the best performance.
- It is normal that the battery heats up after being used for a long time.
- Under cold temperature the driving distance will be shortened even if the battery is fully charged.
- Please charge in a clean and dry environment.
- Don't charge if the charging port is wet.
- Don't throw the battery into fire, heat it or store the battery under high temperature.
- Please do not throw the battery into water. Store it under dry conditions.
- Please do not put anything else in the charging port. This can lead to damages on the internal electronic devices.
- Do not modify the battery.
- **Do not charge the battery unattended!**

Directions of the battery lock

Insert the key into the keyhole, press the key slightly and rotate it counter clockwise to lock the battery.



Ultra-High or Ultra-Low temperature

- The MODSTER M750 e-Scooter will operate at his maximum when the working temperature of the battery is within the temperature levels described in the battery specifications. It may causes safety risks if the temperature is too high or low while driving.
- The temperature before and during charging must be within the working temperature range. When the temperature is within the recommended values, the charging will be faster and better for the battery. If the temperature is too high or low, the charging time will be extended or the battery can't be fully charged.
- Low temperature will shorten the driving distance.

Notes on transporting batteries

Warning

- The lithium battery is specified as a dangerous article and it may not be allowed to be transported without the prior approval of local laws.
- If you want to have the MODSTER M750 e-Scooter delivered to you by air or have the lithium battery transported differently, please contact www.der-schweighofer.com for more details

Others

Warning

- Please strictly use the battery as described within this manual to ensure your safety and the safety of others. In addition this extends the lifespan of the battery as long as possible and improves its performance.
- If there is any damage, leakage or peculiar smells please stop using the battery immediately.
- Please do not get in touch with any substances leaking from the battery
- Only professional engineers can disassemble the internal of the battery.
- The battery contains toxic substances. It's not allowed to open or insert anything into it.
- If the MODSTER M750 e-Scooter isn't used for a period of time, please store it with fully charged battery and charge it every three months.
- Keep the battery away from children and pets
- Please only use the charger provided by MODSTER for the MODSTER M750 e-Scooter.

Technical Details

Maximum driving speed*	20 km/h
Maximum driving distance*	30 km
Maximum Uphill Angle	15 °
Net weight*	17 kg
Max load	100 kg
Packing dimension	80*40*49 (cm)
Product dimension	123*60*76 (cm)
Battery	48 V 7000 mAh Lithium battery
Charging requirement	11-240 vAC 50-60 hz
Charging time	3 hrs
Motor type	DC brushless
Motor power	300 W
Charger	1.5 A

* Maximum driving speed can be configured by an application. If MODSTER M750 e-Scooter is in sprint status during driving, it will run at a speed higher than 20 km/h for a short time.

* The max. driving distance is measured on a flat road with the load of 70 kg. This parameter is affected by the battery, the driving habit, load, temperature etc.

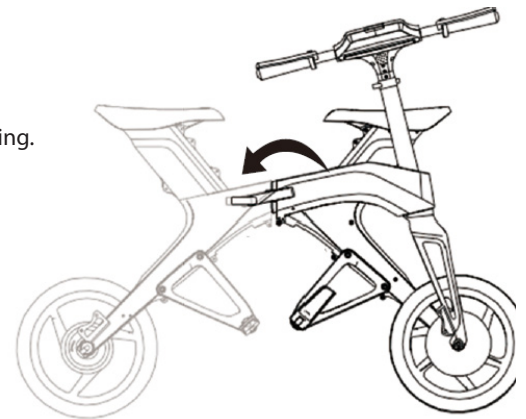
* The net weight refers to the weight of the whole MODSTER M750 e-Scooter including the 4400 mAh lithium battery

Functions of MODSTER M750 e-Scooter & Safety Notice

Operation description

Please read this manual carefully before using the MODSTER M750 e-Scooter.

- Assemble the MODSTER M750 e-Scooter correctly and fully charge the battery before using.
- Before driving the user should be familiar with the driving environment
- Please do not wear any sharp objects to avoid injury during driving.
- Please do not drive on wet and slippery ground

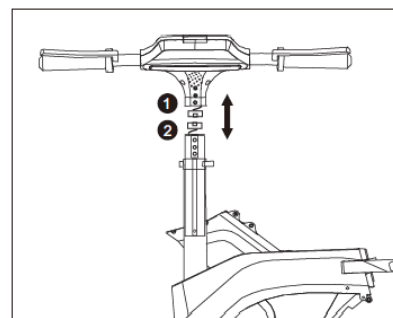
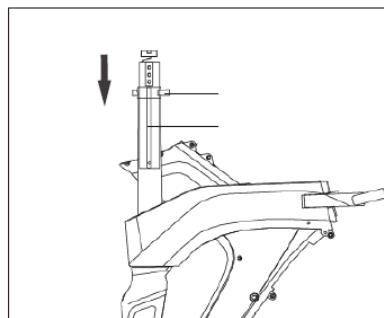
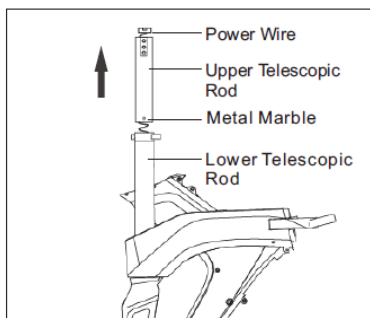


Assembling the MODSTER M750 e-Scooter

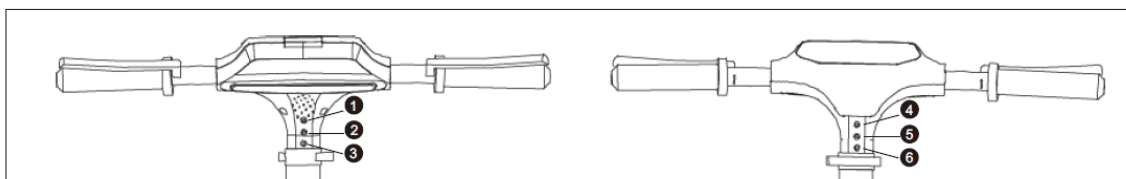
Step 1: Take the MODSTER M750 e-Scooter frame and parts out of the package.

Step 2: Assemble the electric bicycle

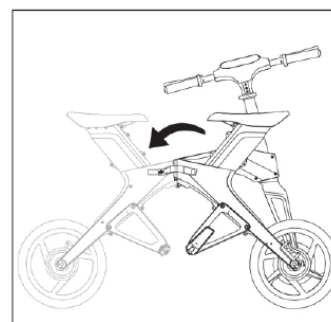
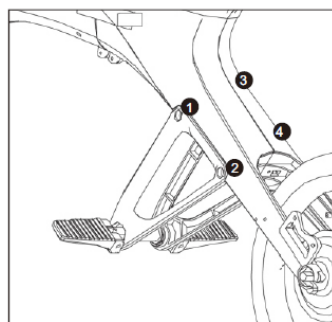
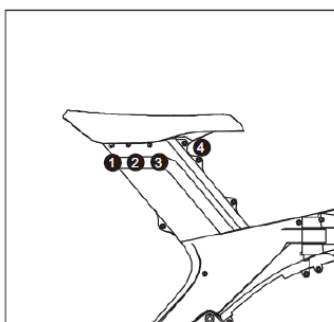
1. Let the power wire located at the lower telescopic rod go through the upper telescopic rod.
2. Press the metal marble until it is on one level with the groove and put the two rods together.
3. Connect the handlebar's power wire with the power wire inside the telescopic rod.



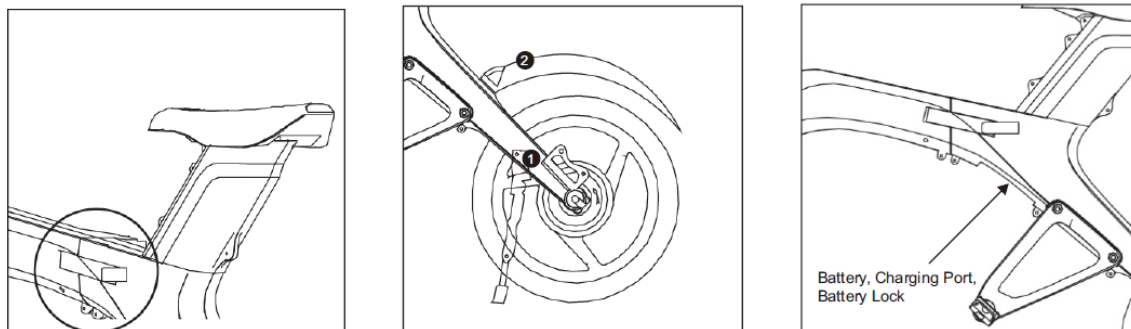
4. Insert the handlebar into the upper telescopic rod and tighten the six screws before securing the clamp.



5. Put the saddle on its place and tighten four screws.
6. Install the pedals and tighten four screws before unfolding the pedals.
7. Unfold the bicycle body.

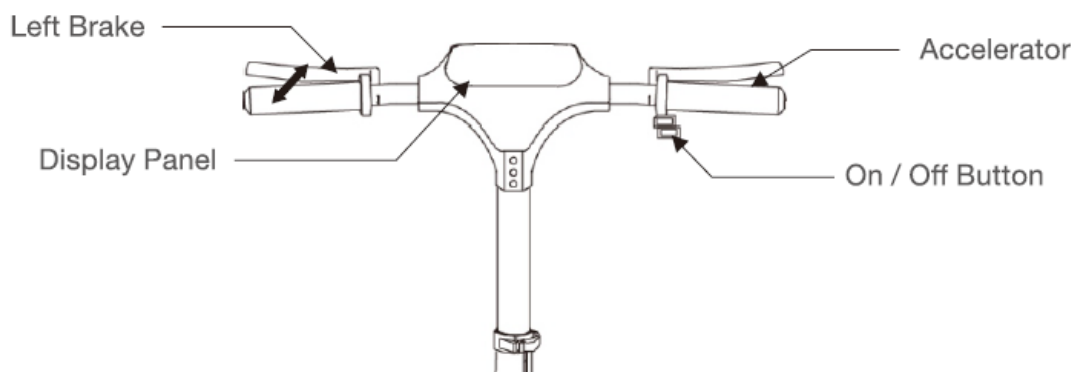


8. Buckle up the folding button to fix the front and rear parts.
9. Assemble the kickstand and rear fender.
10. Insert the battery into the MODSTER M750 e-Scooter body and use the key to lock the battery.



Step 3: Press the on/off button and the display panel will light up.

Use the left brake to enter the driving mode, rotate the acceleratory slightly and the MODSTER M750 e-Scooter will start.



Warning

- Please do not shake the handlebar violently as this increases the probability of accidents.
- Please do not brake suddenly, especially not on wet roads.
- User must drive according to this manual.
- If encountering a traffic jam the user has to dismount and walk to decrease the possibility of accidents.
- Please do not drive on wet or slippery road. This may cause the slip of wheels and control loss.

Safety Notice

Warning

- Please read the manual carefully for safe driving as it provides a lot of important information to you.
- Please be sure to install every part correctly to prevent damages on the MODSTER M750 e-Scooter.
- Please do not use the MODSTER M750 e-Scooter to injure people or damage any property.
- Please do not change or modify parts of the MODSTER M750 e-Scooter randomly.

Weight Limit for User

- The minimum weight limit for user: 20 kg
- The maximum weight limit for user: 100 kg

Maximum Driving Distance

The maximum driving distance of MODSTER M750 e-Scooter is 25 km, however this is affected by many factors, such as:

- Road Condition: The driving distances increases if the scooter is used on a flat road. By driving on a hilly or bumpy road the max. driving distance will decrease.
- Speed & Driving Habits: The driving distance will increase if you drive on a steady speed. If the user starts, stops, accelerates or decelerates frequently, the max. driving distance will decrease.
- Weight of user.
- Temperature: If driving under recommended temperature, the driving distance will increase. Otherwise the max. driving distance will decrease.

Speed limit

The max. speed is 20 km/h

Brake Description

To avoid danger, do not use the front brake while braking under high-speed.

Environment

Driving under high or low temperature

- Using the MODSTER M750 under high temperatures causes some parts such as the motor to heat up, which may affect the performance and the lifespan of the electric scooter. In the case that the temperature of parts rise above 50 C° the speed limit decreases. When the temperature of parts rises above 80 C° the user must stop to cool down the MODSTER M750 e-Scooter.
- Driving under low temperature affects the lubrication of movable parts and eventually decline the discharge speed and the capacity of the battery. Therefore please don't use the MODSTER M750 e-Scooter below -5 C° to prevent yourself from injuring and the scooter from getting damaged.

Uphill or Downhill driving

- The max. uphill and downhill angle is 15°. Users have to pay attention to the slope.
- When the trip goes uphill with heavy loads, parts of the system will heat up rapidly and the battery is under a heavy load status. The lifespan and capacity of the battery will be shortened by driving uphill for a long time. Driving uphill for a long time is not recommended. In addition, due to the heavy load, the system will automatically decrease the max. speed for safety reasons.
- Downhill driving above the max. speed should be avoided entirely. Driving downhill normally helps the system to run the energy recovery mode and therefore downhill driving is helpful to increase the driving distance. Be careful when the capacity of the battery is full as continuous downhill driving may cause an overcharge of the battery or even damage the battery. The system will automatically decrease the max. speed to reduce the possibility of overcharge.

Warning on rainy and snowy conditions

- Riding at snow or under heavy rain weather should be avoided at all costs.
- Do not ride in deep water.

Other safety instructions

- It's forbidden to use battery or accessories that are not from the original manufacturer. If any accident incurred due to misuse, it is not within the warranty.
- Modification of the MODSTER M750 e-Scooter voids warranty. Any loss resulting from modification is on behalf of the user. If there is any glitch please contact Modellsport Schweighofer.
- Destroying the labels on the battery or on the body of MODSTER M750 e-Scooter voids warranty.

Maintenance of MODSTER M750 e-Scooter

The user needs to keep the maintenance periods for MODSTER M750 e-Scooter. This chapter mainly includes some maintenance tips.

Warning

Before executing below maintenance operations ensure that the power supply and the charging cable are disconnected. The following operations are forbidden as long as the battery is under charging or the power is on.

- Inspect if the screws of the front and rear tires are tightened.
- Check the outer tire treads to see if there is any abrasion or cracks. If the tires are worn please contact Modellsport Schweighofer.
- Inspect all screws if they are loose. If so, please tighten them up.
- Before driving, please verify if the folding button is buckled up.
- Check regularly to see if there are any broken parts. For any replacements please contact Modellsport Schweighofer.

Cleaning

- Please only use neutral detergent to clean the MODSTER M750 e-Scooter. Wipe with a cloth and clean again with a dry cloth.

Warning

Do not spray water or any other liquids directly on the MODSTER M750 e-Scooter to avoid damages to the internal electrical components and circuits.

Handling

Lifting and putting down correctly:

- Make sure that the scooter is not connected with the charger and the power button is on power off.
- Lift it with two hands at the middle of the scooter body. Do not lift the MODSTER M750 e-Scooter at the handlebar as main force.

Storage

- Please store the MODSTER M750 e-Scooter indoors with dry and suitable temperatures. If it isn't used for a long period of time, store it fully loaded but do not connect it with a power supply for the whole time. Recharge it fully every 3 months.

Warning

Do not open the internal circuit or motor. Modification voids warranty. Only store the MODSTER M750 e-Scooter fully loaded but do not connect it with a power supply for the whole time. Recharge it fully every 3 months.

Failure Treatment

- Serial Number: Every MODSTER M750 e-Scooter has an unique serial number, which is used for quality tracking. The serial number should not be removed.
- Methods to acquire the serial number: Get it from the packaging or the SN registration card.
- If there are any glitches or errors please contact Modellsport Schweighofer for maintenance.

Warning

User should handle in accordance with this manual. Modellsport Schweighofer shall not be liable for any legal consequences resulting from the improper use of the user. For more information and support, please visit the official website www.der-schweighofer.com

Warranty

Follow the instructions on how to use it! Failure to follow the service intervals of the wheelboard will void the warranty.

You can expect the following warranty service:

1 year warranty on the MODSTER M250 Wheelboard (exclusive battery and other consumables)

6 months warranty on the battery

Scope of guarantees

Due to this warranty, the manufacturer undertakes to provide the following services during the respective warranty periods:

Choosing repair or replacement by equivalent parts / components, the replacement of the model and / or color may differ from the one to be replaced; Services which are not covered by the warranty and which are within the scope of the dealer's responsibility, as well as the cleaning of polluted scooters will be invoiced in the normal hourly rate, material and transport at the applicable costs;

A warranty (repair / replacement) does not extend the original warranty.
There are no claims other than those mentioned above.

Severance clause

Should a provision of this warranty be or become invalid or become void, the legal validity of the remaining provisions shall remain unaffected. Instead of the missing or invalid provision, a provision is deemed to be agreed upon which is closest to the meaning of the original provision.

The warranty does not cover any damage resulting from:

Open the unit by an unauthorized person

The invoice is not the purchase price

Non-observance of the operating instructions

Use in rain, wet road and other weather conditions.

Improper use, improper use or negligent handling (e.g., jumps).

Incorrect third party intervention (e.g., by opening the footboard).

Incorrect charging (for example, by charging with a charger other than that supplied).

Exceeding the maximum speed of 40 km / h on mountain descents.

If the vehicle is technically altered without the consent of the manufacturer.

Retrofitting / fitting non-compatible or non-original parts.

Wear parts such as ball bearings, plain bearings, bearing bolts and bearing screws etc.

MODSTER Non-style parts / components.

Missing warranty inspection within a reasonable period of time.

Damage due to missing or faulty setting (s) or worn out components.

Consequences of falls

Damage due to unsuitable cleaning agents, utensils such as high pressure cleaners or additives used.

Commercial rental / lease

MODSTER M750

USER MANUAL



MODELLSPORT SCHWEIGHOFER GMBH
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FIRMENBUCH GRAZ FN315230Z • UID-NR. ATU 64361513
EVA-PARTNERNUMMER: 152216
ARA LIZENZNUMMER: 17749 • GRS NUMMER: 110072576
INTERSEROH HERSTELLER ID (EAR): 152204
WEE REG.-NR. DE 44576630