

# Original Instruction

DSC-5000MK2



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Before operating this vehicle, read all the instructions for safe assembly and operations. User's manual can guide you through the functions and usage of Electric kick scooter. Before using this scooter, familiarize yourself with how to operate, so that you can keep the scooter in the best condition possible.

# 1. Product and Accessories



## 2. Folding steps

1. Unfolding:

- 1) Stand the scooter on its wheels, press the unlock clasp.
- 2) Raise the handle slowly.
- 3) Unfolding process finished when you hear the “click”.



2. Folding

- 1) Hold the clasp and pull it outward
- 2) Press the front tube of scooter downward (Attention: The limit position must be put right.)
- 3) After a click, folding process finishes.



### 3. Right and Left Handlebar assembly

1) Parts inside the packaging: two handlebars

2) Assembly methods: Loosen the screw  on the handlebar, rotate the axle  to make the meter screen upwards while the  handlebar and display screen turn inwards in a horizontal level.



Turn Direction

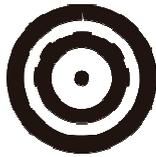
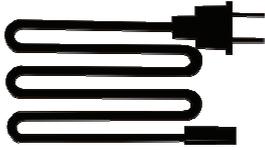
Figure (1)



Turn Direction

Figure (2)

## 4. Charger connection



Plug the adapter into the charging port



## 5. Safety Instruction

We recommend always wearing helmet and protective gear like elbow, knee and wrist protectors to ensure your personal safety.

Also make sure you have read the user manual, to ensure you know how to ride it in a safe and fun way.

Please also pay attention to the rules your country has regarding use of such products. In many countries it is not allowed to ride on public roads and places. Only on closed courts. It is always your own personal responsibility to live up to these rules. Even in countries where there are not any written rules, please keep in mind that you should always ensure your own and others safety.

Also pay attention to other persons. Always ride in a safe way and make sure not to drive faster than you can stop in a safe way. As with all other products like these, there is a risk of falling and hurting yourself. So please make sure to ride it in the safest way possible.

This is not a transport vehicle. More a sport/entertainment kick scooter for having fun.

If lending the kick scooter to friends and family, please make sure they use proper protective gear & know how to ride it.

Before riding the kick scooter, please check that all parts are working as supposed to. If any loose parts, abnormal noise, reduced battery life etc. Please contact the place of purchase about product service and warranty.

## 6. Daily Maintenance

- Storage and cleaning

If your kick-scooter gets dirty, please clean it with a damp cloth. (you can use a stiff brush first to get the worst dirt off and then use a cloth afterwards to clean it.). It is also possible to use a little toothpaste if the dirt is stuck. Remember to clean with damp cloth after this.

Please make sure to keep the kick scooter turned off while cleaning it, and make sure to cover the charging input to avoid problems with the electronics.

**Please notice:** Do not use alcohol, gas, kerosene or other corrosive and volatile chemical solvents. This can damage both the appearance and the internal structure of the kick scooter. You may not use pressured water-gun or running water either.

Please store your kick scooter in a dry and cool environment when not in use. Avoid leaving it outdoors, as it is not made for use in wet areas. Nor is it good to expose to high temperatures caused by direct sun for a long time.

- Maintenance of batteries

Please make sure the batteries do not get over 50° Celsius, or under 20° Celsius for a longer period of time. (e.g don't leave the kick scooter in a hot car in summer, do not put batteries into fire et.) Low temperature (e.g. subzero temperature) can damage the battery cells.

Please avoid draining the batteries 100%. It is best to charge them while there is still power on them. This will extend battery life. Also if riding the kick scooter in cold or very hot areas, the battery time can be lower than when riding in temperatures from 15-25° Celsius. This is not a failure on the batteries, but are normal behavior.

**Please notice:** Even fully charged batteries will run out of power if the kick scooter is not used for a period of time. Expect between 90 and 120 days in off mode if batteries are fully charged. If only partially charged, this period of time is lower.

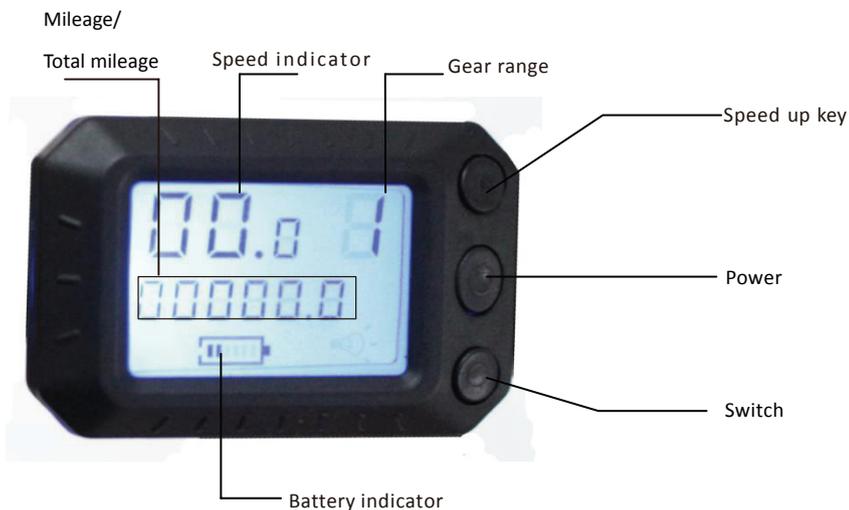
Please make sure to charge the batteries before they are 100% out of power, to avoid damaging the battery cells. (damaged battery caused by wrong handling are not covered by warranty)

It is forbidden to disassemble battery package. This is only to be handled by official service repair centers and professionals.

## 7. Instrument menu

For better operation, please read the instructions carefully.

### 7.1 Appearance



### 7.2 Keyboard

- 1) There are 3 instruments: Power on/off key , switch key , Speed up key , the different functional and role exchanged by long press or short press the keys. Press any two keys at the same time will perform other function and role.
- 2)  Battery level and speed is showing the instantaneous status, and changing from time to time. Single mileage and multi mileages etc show as you choose the different keys.
- 3) When short press  key, each short-press will display the value of this current mileage (KM), Battery voltage (V), motor current value (A), motor speed value (rad / min), total mileage (KM) accordingly.
- 4) Short press  key to change the speed.
- 5) Long press , turn on or turn off instrument indicator.

### 7.3 Operation Instructions

- 1) Long press instrument  key, instrument panel display white light, the scooter is on.
- 2) Press the throttle near your right thumb, the scooter starts; continue to press the throttle, the speed increases, loosening the throttle, the speed decreases.
- 3) The left hand side is the electronic brake, press the electronic brake to execute the brake functions, release the electronic brake to cancel the brake function.
- 4) Heel touch on the mechanical brake, can implement the mechanical brake, as shown in figure.
- 5) Long press the instrument  key, instrument blue light disappears, the scooter power off.

Mechanical brake

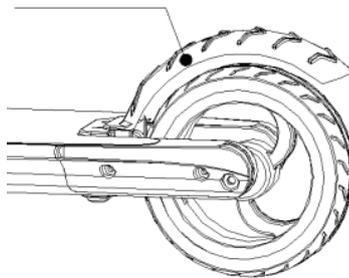


Figure (3)

### 7.4 Parameter Settings

Long press  key +  at the same time enter to the SET (parameter setting), followed by zero or non-zero start, the motor pole log ratio, wheel diameter settings.

- 1). Short press  key, when display 1, enter zero start and non-zero start horizontal setting. When parameter value is 0, it will start with zero. When parameter value is 1, it will start non-zero.

(Zero start: When starting, the scooter in the stationary case, press the switch to start walking, factory default is zero start.)

(Non-zero start: When starting, the scooter is static, press the switch and the scooter does not work, manually start riding , the scooter works. )

- 2). Long press  again to exit the setting state, and save the set parameters.

## 8. Parameter table

Performance	Item	Parameter
Size	Folding size(MM)	1010*415*245
	Developed Size(MM)	924*415*997
	Carton size (MM)	1030*175*254
Quality	Max Load(KG)	125KG
	Empty Quality(KG)	8.0KG
Ride Condition	Age(Year)	16-50
	Height(CM)	130~200CM
Scooter	Max Speed(KM/H)	24km/h
	Endurance(KM)	12~15km
	Max. grade ability	20°
	Terrain	Hardened pavement, flat asphalt pavement, below 20 degrees the ramp, No higher than the 10CM stair, no more than 2CM channel
Battery	Rated voltage(V)	25.2V
	Input voltage(V)	29.4V
	Battery capacity(Ah)	4.0Ah
Motor	Motor Power (W)	250W
Battery Charger	Rated Power (W)	58.8W
	Rated input voltage (v)	110V-240V
	Rated output voltage (v)	29.4
	Rated current (A)	2A
	Charging Time	2~2.5H

## WARNING

### 1.1. The risk of driving

#### WARNING

Learn how to drive safely before you drive fast on the Scooter.

- Failing, losing control, crashing, including violating the rules in the user's manual can lead to injury.
- Speed and range may differ based on rider weight, terrain, temperature, and driving style.
- Make sure to wear helmet and protective clothing before using the Scooter.
- Make sure to read the manual carefully before using the Scooter.
- Only for use in dry weather.
- We do not recommend the use of any Scooters on public roads
- Please make sure to check with your national laws in your country for usage this product.

### 1.2. The preparation before operation

Before using, the battery should be fully charged.

### 1.3. The weight limitation of the operator

The reason of the weight limitation:

- guarantee the safety of the operator;
- decrease the damage of overloading.

Maximum load: 125kg.

#### WARNING

You should never turn violently when driving fast.

#### WARNING

When the Scooter enters into the shutdown state, the system will lock down the machine automatically.

It can be unlocked when you press the power button. When the battery has been depleted or the system

gives out information with safety shutdown, please do not continue to drive the Scooter, otherwise, the Scooter cannot drive for the lack of battery.

- The product should only be used in temperatures between -10°C - +45°C.

## 2. Range per charge

The range per charge is related to many factors, for example:

- Topography: On even roads the range per charge will be increased, on uneven terrain, it will be decreased.
- Weight: The weight of the operator can influence the driving distance.
- Temperature: Extreme temperature will decrease the driving distance.
- Maintenance: If the Scooter is charged properly and the battery is kept in good condition, this will maximize the driving distance.

- Speed and driving style: Keeping a steady speed will increase the driving distance, on the contrary, frequent start, stop, acceleration, deceleration will reduce the distance.

### 3. Safe driving

This chapter will focus on safety, knowledge and warnings. Before operating this vehicle, read all the instructions for safe assembly and operation.

#### **⚠ WARNING**

Before starting, familiarize yourself with how to operate, so that you can keep the Scooter in the best condition.

- When you are driving the Scooter, make sure that all safety measures are taken. You should be wearing a helmet, knee pads, elbow pads and other protective gear.
- The driver should not wear loose or hanging clothing, shoelaces, etc. that can get caught in the wheels of the Scooter.
- Scooter is only for personal entertainment. You are not allowed to ride it on public streets.
- Scooter is not allowed on the motor vehicle lanes.
- Children, the elderly, pregnant women are not allowed to drive.
- Persons with reduced balancing capacity should not drive the Scooter.
- Do not drive the Scooter under the influence of alcohol or any other substance.
- Do not carry items when driving.
- Please be alert to things in front of you, maintaining good vision will help you drive the Scooter safely.
- In the process of driving, make sure that your feet are always stepping on the pedals.
- Scooter can only carry one person.
- Do not start or stop suddenly.
- Avoid driving on steep slopes.
- Do not drive the Scooter up against a fixed object (f.inst. a wall or other structure) and continue driving the Scooter.
- Do not drive in dimly lit or dark places.
- Driving the Scooter is at your own risk and the company is not responsible for any accidents or damage you may cause.
- Ensure the vehicle speed is safe to yourself and others, and be ready to stop at any time when operating.
- When you are driving the Scooter, please keep a certain distance from each other to avoid collisions.
- When steering you should use your body's center of gravity, the violent shift of center of gravity may cause you to wreck or fall off the Scooter.
- Do not drive when raining or expose the Scooter to other wet conditions. Only to be driven in dry weather.
- Avoid driving on obstacles and avoid snow, ice, and slippery surfaces.
- Avoid driving on items made of cloth, small branches and stones.
- Avoid driving in narrow spaces or where there is an obstacle.

- Jumping on or off the Scooter can and will cause damage that is not covered by warranty. Risk of personal injury. Personal damage or abuse related to “trick riding” is not covered by the company and voids any warranty.
4. Charging steps
- Make sure that the Scooter, the charger and the DC power socket on the Scooter are kept dry.
  - Note: ONLY use the supplied charger labelled XHK-916-29420 with the following output voltage to charge this Scooter: 29.4V - 2.0A.
  - Using another charger may damage the product or create other potential risks.
  - Plug the power adapter into the DC power port of the scooter and a standard power outlet. Make sure the green indicator on the adaptor lights up.
  - When the red indicator lights on the charger indicate charging properly, otherwise check if the line is connected properly.
  - When the indicator light on the charger changes from red to green, this indicates that the battery is fully charged.
  - In this case, please stop charging. Over charging will affect the battery life.
  - Charging may take up to 2-3 hours. Do not charge the battery for more than 3 hours. Disconnect the charger from the balance board and the power supply after 3 hours. Overcharging will reduce the lifetime of the battery.
  - The product should not be charged over longer periods.
  - Never charge the product without supervision.
  - The product should only be charged in temperatures between 0°C - +45°C.
  - If charging at lower or higher temperatures, there is a risk that the performance of the battery will be reduced and a potential risk of damage to the product and personal injury.
  - Charge and store the product in an open, dry area and away from flammable materials (i.e. materials that may burst into flames).
  - Do not charge in sunlight or near open fire.
  - Do not charge the product immediately after use. Let the product cool down for one hour before charging.
  - If the product is left with other persons for example during a holiday period, it should be partially charged (20-50% charged). Not fully charged.
  - Do not remove the product from the packaging, charge it fully and then put it back into the packaging.
  - When shipped from the factory, the product has often been partially charged. Keep the product in a partially charged state, until it is going to be used.
  - The Scooter must cool down for at least 1 hour before being packed.
  - Must not be left inside a warm car sitting in the sun.

### **CATION**

When charging do not ride the Scooter!

- When charging on then the LED light of the battery charger is red color.
- When charging is finished then LED light of the battery charger turns into green color.
- When charging finished unplug the battery charger from the mains power supply and from the Scooter.

**WARNING**

Only use the DC connector to connect with the DC cable from the charger that comes with the Escooter!

- Do not insert any foreign objects into DC connector!

**WARNING**

- Always keep the protective cap plugged onto the DC connector!
- Only take off the cap when charging the Escooter!
- After charging finished take out the DC plug and put on the protective cap onto the DC connector again!

**⚠ WARNING**

Make sure that water and other liquids do not enter the internal parts of the Escooter as this may permanently damage the electronics/batteries of the Escooter. There is a risk of personal injury.

**⚠ WARNING**

- To protect user safety, users are forbidden to open the scooter, or you give up your warranty rights

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CE



Electric and electronic equipment and included batteries contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment and batteries) is not handled correctly.

Electric and electronic equipment and batteries is marked with the crossed out trash can symbol, seen below. This symbol signifies that electric and electronic equipment and batteries should not be disposed of with other household waste, but should be disposed of separately.

As the end user it is important that you submit your used batteries to the appropriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

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Denmark

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## EC Declaration of Conformity (Machinery Directive)

The undersigned

**Company Name:** DENVER ELECTRONICS A/S  
**Address:** Omega 5A, Soeften, DK-8382 Hinnerup, Denmark

certify that the design and manufacturing of this product

**Product Brand Name:** DENVER  
**Product Model No.:** DSC-5000MK2  
**Product type:** E-scooter – electric kick scooter

conforms to the following directives:

**Machinery directive 2006/42/EC**

**MD Standards:** Annex I of 2006/42/EC, EN ISO 12100:2010, EN 60335-1:2012+A11:2014

and therefore complies with the essential requirements of the Machine Directive.

Name and address of the person authorized to sign the declaration and collect the technical documentation

**Serial no.:** 11126-06/17/00001 to 11126-06/17/01430  
**Full Name:** Alfred Blank  
**Position:** CEO  
**Company:** DENVER ELECTRONICS A/S  
**Address:** Omega 5A, Soeften, DK-8382 Hinnerup, Denmark  
**Date:** 25 May,2017