

# Original Instruction

SCO-80100



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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 E-scooter. Before using this E-scooter, familiarize yourself with how to operate, so that you can keep the E-Scooter in the best condition possible.

This appliance can be used by children aged from 14 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

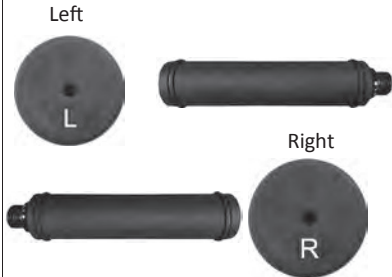
Cleaning and user maintenance shall not be made by children without supervision.

Version 1.0

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# 1. Product and Accessories



## 2. Folding steps

### 1. Unfolding:

- 1) Stand the E-scooter on its wheels, press the unlock clasp.
- 2) Raise the handle slowly.
- 3) The E-scooter is unfolded as soon as you hear the rod click into place.



### 2. Folding

- 1) Hold the clasp and pull it outward
- 2) Press the front tube of E-scooter downward (Attention: The limit position must be put right.)
- 3) The rod clicks audibly into place.



#### 4) Fold/Unfold Handle

##### Fold-Unfold Position






Move handle down to fold the e-scooter  
Move handle up to unfold the e-scooter



Pull towards you to unlock the folding/unfolding mechanism. Hold it while you fold or unfold the scooter

### 3. Handlebar assembly

1) Parts inside the packaging: two handlebars

2) Change display angle: Loosen screw  on the handlebar, rotate the axle  to make the handlebar meter screen upwards while the  and display screen turn inwards in a horizontal level. Remember to tighten screws again

3) Before operating the E-scooter, turn the handlebar grips and carefully check all the components to make sure that the steering is correctly installed as described above, and that all connecting parts are secure and fully functional.



Figure (1)



Figure (2)

#### 4. Charger connection



Plug the adapter into the charging port



## 5. Intended Use

The e-scooter is neither a means of transport nor sports equipment, rather a device that the operator can ride relaxed. The E-scooter for domestic use only and only by a person aged at least 14 with a maximum weight of 100 kg. The other parameters for the permissible operation of the E-scooter are defined on page 12 under paragraph 10. Incidentally, the E-scooter may only be operated in good visibility conditions and only if the physical conditions for stability on the E-scooter are met (for example, not on one leg/not under the influence of drugs or alcohol). When operating the E-scooter, the operator must wear personal protective equipment specified on page 13 under paragraph 1.2. (Preparation).

## 6. 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 carefully, to ensure you know how to ride it in a safe and fun way.

For domestic use only.

It is your responsibility to be aware of and comply with all regulations. If there are no regulations for this E-scooter in your country, please take care of your own safety and the safety of others.

Also pay attention to other people. Always ride safely and only at a speed that allows you to brake safely at any time. A common thing for such products is that there is a risk that you may fall off the product and injure yourself. Always ride as safely as possible.

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

Before riding the E-scooter, please check that all parts are working as supposed to. If any loose parts, abnormal noise, reduced battery life etc. are detected, please contact the place of purchase for product service and warranty. Do not repair the E-scooter yourself.

Inspect the rear tire, rear brake, and brake pad according to Section 7 of the maintenance specification in this operating instructions. The E-scooter may become unstable if the rear brake is deformed or loose. This is because the distance between the brake pad and the rear wheel becomes too small, possibly leading to a blocked rear wheel.

Avoid applying too much force or stepping on the rear fender permanently. This may cause the fender to loosen or damage the spring holding the fender.

As a result, the brake pad constantly touches the wheel and the motor temperature increases due to the additional resistance. The rear tire can also get loose if the brake is in constant braking position.

Avoid constant braking. As a result, the tires will not only wear off, but also become hot. This will soften the rubber and it will no longer have the same grip on the road as usual. Do not touch the tire after braking.

If you hear unusual noises or notice friction when switching on the E-scooter, a bearing may be damaged. A worn bearing may even be indicated by strong vibration of the handlebar. In this case, please contact your dealer since the bearing needs to be replaced and/or the handlebar checked and adjusted.

Ride the E-scooter only on a dry surface since otherwise the riding safety and braking performance may be impaired and the motor or bearings may be damaged.

Please do not ride up or down long and steep slopes.

Stop riding when you receive the "Low Battery Warning". The E-scooter then moves only slowly and does not have the same traction as normal and the electric brake does not work. In this case, please use the rear brake to stop the E-scooter. Get off the scooter as soon as the speed allows to do that safely.

Do not use the electric brake and the throttle at the same time.

A normally working E-scooter operates safely and quietly. If you hear noises or notice bumpy operation, please check wheels, bearings, and brakes. Contact your customer service for repair and maintenance, if necessary.



## 7. Maintenance

- Storage and cleaning

If your E-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 E-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 E-scooter. You may not use pressured water-gun or running water either.

Please store your E-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 minus 10° Celsius for a longer period of time. (e.g. don't leave the E-scooter in a hot car in summer, do not put batteries into fire etc.) Low temperature (e.g. subzero temperature) can damage the battery cells.

Keep the E-scooter away from open flame or other sources of heat to prevent the battery from getting too hot. Also make sure not to leave the E-scooter at freezing temperatures. Both heat and excessive cold can cause the battery to discharge.

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 E-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 is normal behavior.

Do not overcharge and discharge the battery.

Make sure that the battery is charged at regular intervals, even if you do not use the E-scooter for a long time. This is to prevent damage to the battery caused by low voltage over an extended period.

**Please notice:** Even fully charged batteries will run out of power if the E-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.

- **Maintaining bearings**

The E-scooter has sealed and dustproof bearings so that no lubrication is required. Check the bearings for wear at regular intervals to avoid unsafe riding. Do not jump on and off and do not apply excessive force otherwise to avoid damage to the bearings. This is not a sports E-scooter.

- **Maintaining wheels**

Check the wheels for wear at regular intervals to avoid unsafe riding.

- **Maintaining the brake**

The brake pad is made of plastic. Check the brake pad for wear at regular intervals to avoid unsafe riding. Do not apply excessive force to avoid damage to the brake. When the brake pad wear 1.3mm, need to be replaced.

- **Maintaining screws and other fasteners**

Make sure that all screws are properly tightened to avoid unsafe situations. Be sure to grease the moving parts at regular intervals to ensure the best possible riding experience.

### **WARNING**




- Please make sure to check that the steering system is correctly adjusted and that all connection components are firmly secured and not broken before riding, refer to handlebar assembly and safety instruction.
- Please read operation guide and warnings of correct techniques for use and braking
- Always wear shoes;
- When self-locking nuts and other self-locking fixings may lose their effectiveness
- All parts and materials' quality of scooter can not be changed, modifications are not allowed

## 8. Instrument menu

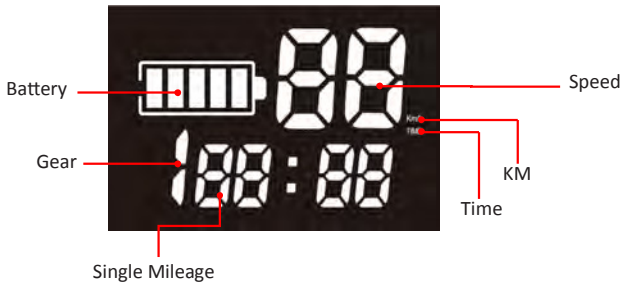
For better operation, please read the instructions carefully.



### 8.1 Button

There are three buttons in the display,  Power Button,  Speed up Button and  Speed down Button.

### 8.2 Operation






**Power On:** Long press the power button until the display lights up.

**Power Off:** Long press the power button until the display goes out and the system is off.

1. **Battery power display:**  it shows the current remaining battery capacity.

2. **Power Off Automatically:** After the display stops working (acceleration/deceleration and buttons) for more than 5 minutes, the E-scooter automatically turns off.


**Showing Data Switch:** When the E-scooter is on, short press the power button , change the showing data on the display, TIME, ODO, DIS and other characters respectively. When it is showing time, it indicates the running time after switching on. The time will be cleared after switching off. When it is showing DIS, it indicates the driving distance after switching on, and it will be cleared after power off. When it is showing ODO, it indicates the total mileage, which will be retained unless it is manually cleared.


**Change the gear:** Short press  the Speed up Button and the  Speed down Button, change the gear level( Gear 3 is fast speed, Gear 2 is medium speed, and Gear 1 is slow speed).

**Acceleration:** Gently press the accelerator dial to speed up(The depth of the press is related to the

gear).

Deceleration: Gently press the deceleration dial to slow down. The deeper the press, the greater the deceleration (the deceleration is relevant to the formation of the press, and pushing too hard can not increase the braking force and may cause damage to the brake dial).

Total mileage clearance: press ▲ and ▼ buttons at the same time , then press the power button  to switch on the E-scooter, and the total mileage will be cleared.

Important: Press ▲ and ▼ buttons at the same time, then press the power button  and select P3 mode, when parameter value is 0, it will start with zero. When parameter value is 1, it will start with non-zero.

(Zero start: When starting, the E-scooter in a stationary case, press the accelerator to start driving.)

(Non-zero start: When starting, the scooter is static, press the accelerator and the E-scooter does not work, push the e-scooter manually to start driving , the E-scooter works. factory default is non-zero start. )

You have to manually move the E-scooter with your foot before the accelerator handle are working.

## 9. Operation Guide



- 1: Press Speed up Button and Speed down Button to adjust speed level
- 2: Press the accelerator button to accelerate, so you can drive;
- 3: Press brake button to brake;
- 4: Press the accelerator and electric brake button at the same time, the scooter will automatically brake;
- 5: For safety , the rear wheel brake system must be used when driving at high speed.

## 10. List of parameters

Parameter		Range
Size	Folding size(mm)	1020*154*370
	Developed Size(mm)	1030*430*1010
	Carton size (mm)	1040*165*390
Quality	Max Load(kg)	100
	Empty Quality(kg)	10.1
Ride Condition	Age(Year)	14+
E-scooter	Max. speed (horizontal riding) (km/h)	20
	Op til (km)	12
	Terrain	Level and dry surface
Battery Type: Li-ion battery	Nominal voltage (V)	25.2
	Input voltage (V)	29.4
	Battery capacity (mAH)	4000
Motor	Motor Power (W)	300
	Emission sound pressure level (DB)	Emissions < 70 db (A).
Battery Charger	Rated input voltage(V)	100-240
	Rated output voltage(v)	29.4
	Rated current (A)	1.5
	Charging Time(h)	3

E-scooter

Model: SCO-80100

Input: 100V-240V~, 50/60Hz, 1.5A(Max)

Output: 29.4V  1.5A   

Max Speed: 20km/h

Weight: 10.1 kg

Year Of Construction: 2018

Max Load: 100kg

Battery: 25.2V/4Ah

Power Consumption: ≤ 300W

Please charge the e-scooter with the original  
charger XHK-922-29415.

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Omega 5A Soeften DK-8382 Hinnerup

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## 11. E-scooter safe parking

Once you have stopped the E-scooter, get off and fold it until the bottom of the scooter rests on the ground. Before you ride again, unfold it until it clicks into locked position.

## 12. Safe transportation

Pack the E-scooter flat, don't drop the E-scooter during the transportation, forbid to put the E-scooter near fire or explosive materials.

## 13. Warnings

### 13.1. Risks of riding

#### WARNING

First, learn safe riding before you ride the E-scooter fast.

- Failure to observe, loss of control, falls, and violations of the rules can cause injuries.
- Speed and range depend on the rider's weight, terrain, temperature, and riding style.
- Wear a helmet and protective clothing when riding the E-scooter.
- Read the operating instructions carefully before riding the E-scooter.
- For use only in a dry environment.
- The E-scooter may not be used on public roads.
- Make sure that this product complies with local regulations.
- For domestic use only

### 13.2. Preparation

- First, charge the battery completely.
- Wear a helmet, knee and elbow pads, as well as earmuffs/earplugs.
- Do not wear loose clothing or open laces that can get caught in the E-scooter wheels.

### 13.3. Weight restriction

Reason for the weight restriction:

- Ensuring the rider's safety;
- Avoiding damage due to overload.

Maximum capacity: 100kg.

#### WARNING

Do not try to make a turn too fast.

#### WARNING

Lithium battery inside.

#### WARNING

If the E-scooter switches off, the system will block the vehicle automatically.

It can be released again by pressing On/Off.

- Use the device only at temperatures between -10 °C and +45 °C.

### 13.4. Range per charge

The range depends on several factors:

- Topography: On level paths you have a greater range than on uneven ground.
- Weight: The range depends on the rider's weight.
- Temperature: Extreme temperatures reduce the range.

- Maintenance: If the E-scooter is charged properly and the battery is kept in good condition, the range will be extended.
- Speed and riding style: The range is greater at constant speed than at frequent stops and starts, acceleration and braking.

### 13.5. Safe riding

This chapter focuses on safety, experience, and warnings. Before operating the vehicle, please read all installation and operating instructions carefully.

#### **WARNING**

Familiarize yourself with the vehicle before you use it so that you can keep the E-scooter in sound condition.

- Observe all safety instructions when riding the E-scooter.
- The E-scooter is designed only for personal entertainment. Avoid operating it on public roads/in road traffic.
- Children, elderly people, and pregnant women are not allowed to ride the vehicle.
- People with limited sense of balance are not allowed to ride the E-scooter.
- Avoid riding the E-scooter under the influence of alcohol or other substances.
- Do not carry any objects while riding.
- Make sure you have a clear vision in front of you to ride the E-scooter safely.
- While riding, your feet must always be on the foot board.
- The E-scooter can accommodate only one person.
- Do not start or stop abruptly.
- Avoid riding on steep slopes.
- Stop riding the E-scooter if you hit against a solid object (such as a wall or other structure) with it.
- Do not ride in dimly lit or dark places.
- Ride the E-scooter at your own risk, we assume no liability for accidents or damage.
- Ride at a safe speed that allows you to stop at any time.
- Keep the E-scooter at a sufficient distance from other people and avoid collisions.
- Steer through balance shifting, fast movement can result in falls.
- Do not ride in rain or under other wet conditions. Ride only in dry weather.
- Avoid riding over obstacles, if possible, and avoid snow, ice, and slippery surfaces.
- Avoid riding over textiles, small branches, and stones, if possible.
- Avoid riding in narrow places or in places with obstacles, if possible.
- Jumping on and off the E-scooter will cause damage that is not covered by the warranty. There is a risk of injury. Injuries and damage due to "trick riding" are not covered by the warranty.

### 13.6. Charging

- Make sure that the E-scooter, charger, and DC power input of the device are always dry.
- Note: To charge this E-scooter, use SOLELY the supplied XHK-922-29415 charger with the following output: 29.4 V -1.5 A.
- Using a different charger may cause damage to the device and other potential risks.
- Use the mains adapter to plug the DC input of the device into a conventional socket.
- Make sure that the green indicator on the mains adapter is on.
- The red indicator lights up when properly charged; if this is not the case, please check the connections.
- If the indicator on the charger switches from red to green, the battery is fully charged.
- Now you can stop the charging cycle. Overcharge shortens the battery life.
- The charging process takes up to 3 hours. Do not charge the battery for more than 3 hours. After 3 hours, disconnect the charger from the device and the power supply. Overcharge reduces the battery service life.

- The product must not be charged over extended periods.
- Always keep an eye on the device throughout the charging cycle.
- Charge the device only at temperatures between 0 °C and +45 °C.
- When charging at lower or higher temperatures, there is a risk that the battery performance will be reduced; therefore, there is a potential risk of injuries and material damage.
- Store and charge the device in an open, dry area away from combustible materials.
- Do not charge the device in direct sunlight or in the vicinity of open flames.
- Do not charge the device immediately after use. Allow the device to cool down for an hour before charging it.
- If the device is left to other people, it must be charged partially (20 - 50%), not fully.
- Do not remove the device from its package to fully charge it and then put it back in the package.
- The device is generally partially charged as shipped from the factory. Keep the device partially charged until it is used.
- Allow the E-scooter to cool down for at least 1 hour before it can be put in the package.
- Do not leave the device exposed to sunlight in a car.

### **CAUTION**

The E-scooter must not be used during the charging cycle!

- The LED indicator on the battery charger lights red during the charging process.
- The LED indicator on the charger will light green when the charging process is complete.
- After charging, disconnect the charger from the mains and the E-scooter.

### **CAUTION**

Connect the DC cable supplied with the E-scooter only to the DC input!

- Do not insert foreign bodies into the DC input.

### **CAUTION**

- Do not remove the protective cap from the DC input!
- Remove the cap only when charging the e-scooter!
- After charging, disconnect the DC plug and close the DC input again with the cap!

### **⚠ WARNING**

Make sure that neither water nor other liquids penetrate into the inner components of the E-scooter; otherwise, the electronics/batteries of the device could be permanently damaged. There is a risk of injury.

### **CAUTION**

- If you open the E-scooter casing, the warranty will become null and void.

### **⚠ WARNING**

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

### **⚠ WARNING**

- Make sure to wear helmet and protective clothing before using the E-scooter.
- Make sure to read manual carefully before using the E-scooter.
- The E-scooter is not intended for use on public roads nor in traffic
- The E-scooter must only be used on dry and level ground
- For domestic use only
- The E-scooter may not be used by anyone under age of 14 years



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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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# Regarding Battery charging SCO-80100

## **Important – Please read!**

Dear customer. We hope you get a lot of joy out of your new E-scooter.

The battery type in these kinds of E-scooters are not fully charged from production line.

And when left unused they can slowly discharge by themselves.

This can lead to slow charge if the batteries are fully discharged, but this is done to avoid damage to the battery cells.

**If you experience that you cannot turn on your E-scooter, and it doesn't seem to charge (the charger light up green instantly), then please do the following.**

1. Leave the charger in for 6-7 hours. This will make sure the battery will be fully charged again (it can take 3-4 hours before it starts normal charging).
2. If this does not solve your problem, please ride the E-scooter manually without turning it on. Use your legs to give speed, for around 100 m, and then connect the charger. The engine in the front wheel will this way help to activate the charging function and it will charge normally. (fully charge takes 2-3 hours if using this way)

For "MD DOC" document, please refer to a separated leaflet.

Please enter: [www.denver-electronics.com](http://www.denver-electronics.com) to obtain the electronic version of the manual.