



Concept SC7000 Electric Scooter Crossader Instruction Manual

[Home](#) » [concept](#) » Concept SC7000 Electric Scooter Crossader Instruction Manual 

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Contents

1	ACKNOWLEDGMENT
2	IMPORTANT SAFETY PRECAUTIONS
3	PACKAGE CONTENTS
4	PRODUCT DESCRIPTION
5	HANDLEBARS AND DISPLAY DESCRIPTION
6	OPERATING INSTRUCTIONS
6.1	ELECTRIC SCOOTER ASSEMBLY
7	FOLDING DOWN THE E-SCOOTER
8	INSTALLATION OF THE BATTERY
9	HOW TO RIDE THE ELECTRIC SCOOTER
10	RANGE OF THE ELECTRIC SCOOTER
11	BATTERY SPECIFICATIONS
12	SAFE USING OF THE BATTERY
13	CHARGING METHODS
14	CONNECTING E-SCOOTER TO THE APPLICATION
15	CLEANING AND MAINTENANCE
16	STORAGE
17	TROUBLESHOOTING
18	BATTERY DISPOSAL
19	SERVICE
20	ENVIRONMENTAL CONCERNS
21	Documents / Resources
21.1	References

ACKNOWLEDGMENT

Thank you for purchasing a Concept product. We wish you much joy with your new appliance every day you use it. Please read the instruction manual carefully before initial use. To refer to this manual any time you need to, we recommend you to keep it in a safe place. And please pass it to any future owner of the appliance .

Technical specifications	
Unfolded scooter size	1110*530*1230 mm
Folded scooter size	1110*530*535 mm
Height from ground to the deck	205 mm
Weight	23 kg
Wheel size	10 inches
Battery capacity	SC 7000 – 15,6 Ah SC 4500 – 10,4 Ah
Motor power	500 W
Range per charge	SC 7000 – Up to 70 km SC 4500 – Up to 45 km
Maximum speed	25 km/h
Maximum load	100 kg (120 kg)
Maximum incline	25°
IP rating	IP54
Frequency range (MHz)	2400-2483.5
Transmitter performance (max)	10dBm

IMPORTANT SAFETY PRECAUTIONS

- Do not use the electric scooter in any other way than as described in this manual.
- For your own safety, follow the local road traffic code. Before using the electric scooter, check the condition of your electric scooter, check for a damaged tire or any other part and check that all parts are properly tightened.
- If battery's internal temperature reaches 50°C, its protection will be activated and the battery cannot be recharged.
- After full recharge, e-scooter's energy will be sufficient for 90-120 days in standby mode. If the battery has not been recharged in time, excessive power discharge will occur, with resulting irrecoverable damage and loss of our guarantee.
- Do not use front brake for emergency braking.
- When using the electric scooter, always be careful not to hurt yourself, other people or damage other people's property.
- It is forbidden to modify or rebuilt the electric scooter as it may damage the electric scooter or change the power of the motor, which may result in serious injury
- Do not leave the electric scooter unattended.
- When disconnecting the unit from the wall outlet, never pull the power cord, grasp the charger and disconnect

it by removing it from the receptacle.

- Do not allow children or unauthorized people to handle the electric scooter, use it out of their reach.
- Pay extra attention when the using the electric scooter near children.
- Use only the original adaptor for recharging.
- Do not allow the electric scooter to be used as a toy.
- Do not use any accessories other than those recommended by the manufacturer.
- Do not insert any objects into the openings. Do not use the electric scooter if any of the openings is clogged.
- Do not immerse the electric scooter in water or any other liquid.

This would damage the electric scooter and lead to an accident.

- **Check the electric scooter and the charger cord for damage regularly.**

- Do not throw the battery of the electric scooter into a fire or expose it to temperatures above 35 °C.
- Do not touch the driven moving parts of the electric scooter during operation. When riding the electric scooter, do not touch the brake discs.
- Do not attempt to repair the electric scooter by yourself. Contact an authorized service centre.
- This electric scooter can be used by children aged from 15 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 the use of the device in a safe way and understand the hazards involved.
- **Please bear in mind that when riding the electric scooter, you can lose balance, bump into something or fall. In order to prevent an injury, read and understand this manual and keep the scooter in good condition!**
- Before riding the electric scooter, put on safety elbow pads, knee pads and a helmet. Wear appropriate clothing – we recommend sportswear.
- Do not use the electric scooter in a bad weather (rain, snow, strong wind...).
- It is not allowed to ride the e-scooter with only one hand on the handlebar!
- Do not ride on the stairs.
- More persons and/or transport of kids on the e-scooter are not allowed
- Recommended tire pressure 220-240 Kpa.
- Check the power supply circuit, front and rear lights, reflectors, front and rear brakes for proper operation. In case of not proper operation, stop using the scooter immediately.
- Do not use the scooter to transport other people or children. The electric scooter is intended for one person only.
- The electric scooter can be used by people over 15 years of age. DO NOT USE the electric scooter if you are pregnant.
- The maximum load of the electric scooter is 120 kg.
- Do not consume alcohol or use any other addictive substances before or during riding the electric scooter. Do not smoke while riding the electric scooter.
- Do not make calls or use headphones while riding the electric scooter. Always pay full attention to driving.
- Pay attention to the state of the roads, any uneven road surface can negatively affect your ride – mud, ice, snow, wet ground, potholes.
- The electric scooter is designed to climb to an angle that is less than 15°.
- Do not use the electric scooter on roads intended for cars.
- Do not park your electric scooter in front of safety exits, evacuation corridors and spaces reserved for emergency services.

WARNING! IMPROPER USE OF THE ELECTRIC SCOOTER OR FAILURE TO READ THIS INSTRUCTION MANUAL MAY RESULT IN SERIOUS INJURY. THE DEALER OR THE DISTRIBUTOR ASSUME NO RESPONSIBILITY FOR INJURY, FINANCIAL DAMAGE, DISAGREEMENTS, LEGAL DISPUTES OR CONFLICTS CAUSED BY IMPROPER USE AND FAILURE TO FOLLOW INSTRUCTIONS OF THIS MANUAL.

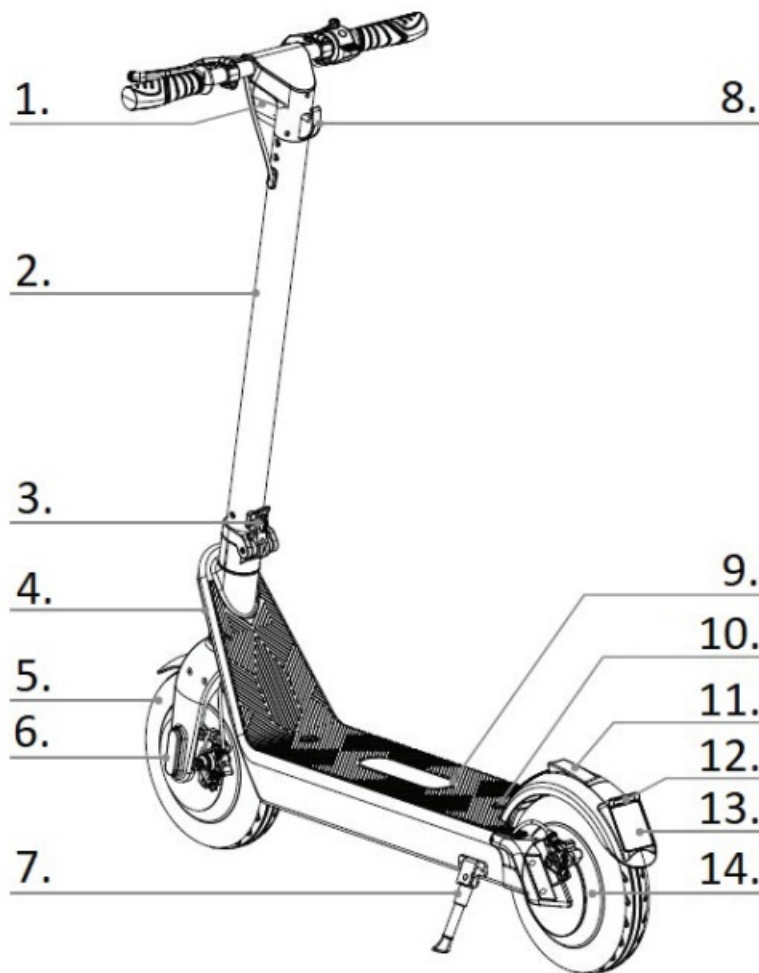
Damages from failure to follow the manufacturer's instructions are not covered by the warranty

PACKAGE CONTENTS

1x Electric scooter SC7000 or SC4500
1x Charger
1x Battery
1x M5 Allen key
1x User manual

PRODUCT DESCRIPTION

1. Front light
2. Folding column
3. Locking ring
4. Frame
5. Front wheel
6. Reflector
7. Kickstandr
8. Hook
9. Anti-slip deck
10. Battery cover screw
11. Rear mudguard
12. Rear light
13. Plate
14. Motor



You can find images for labels in the CZ version of this manual.

HANDLEBARS AND DISPLAY DESCRIPTION

1. Brake lever




Hold the brake handle to stop. Lightly step on the rear mudguard to brake a little.

2. LED display

If the "Fault indication" light lights up, contact your dealer and ask him for an advice on how to proceed.

3. Function button

A Short press the function button to switch gears.

- Beginner mode: the speed mode indicator  is off.
- Advanced mode: the speed mode indicator  is white.
- Sports mode: the speed mode indicator  is red.

B Short press the function button twice to turn on/off the headlights. The tail lights turn on automatically when braking.

4. On/Off button

Long press the button to switch the electric scooter on/off.

5. Accelerator button

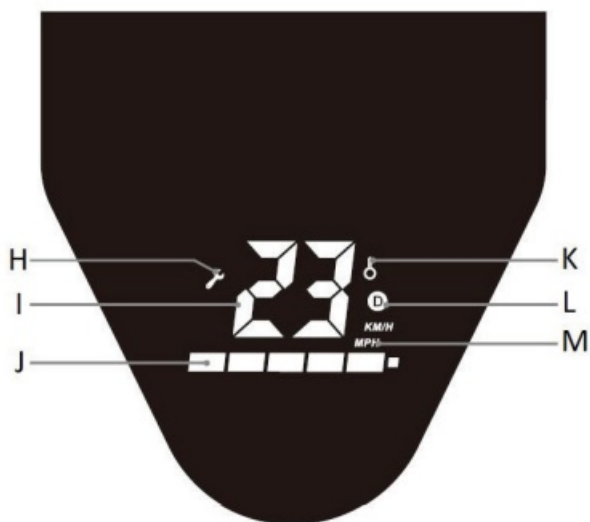
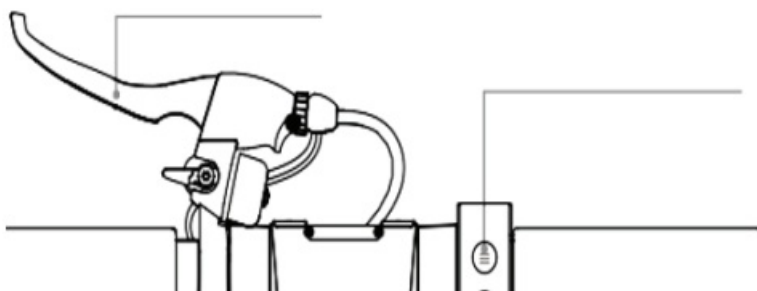
Press the accelerator button to start the electric scooter and press it again to accelerate.

6. Cruise control function

The cruise control is automatically activated if you maintain a constant speed for 6 seconds. If you want to

deactivate the cruise control, simply accelerate or step on a brake.

- A** – Rear brake
- B** – Grip
- C** – Display
- D** – Front light
- E** – Light, function keys
- F** – ON/OFF button
- G** – Acceleration button
- H** – Fault identification
- I** – Current speed
- J** – Battery charging level
- K** – Temperature sensor
- L** – Speed mode
- M** – Speed unit



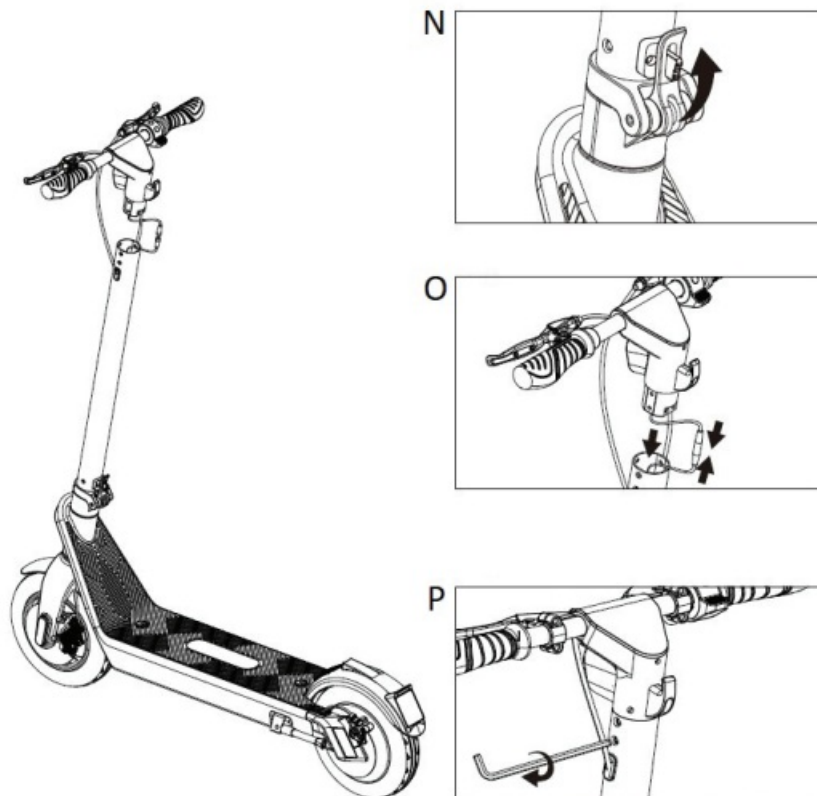
You can find images for labels in the CZ version of this manual.

OPERATING INSTRUCTIONS

ELECTRIC SCOOTER ASSEMBLY

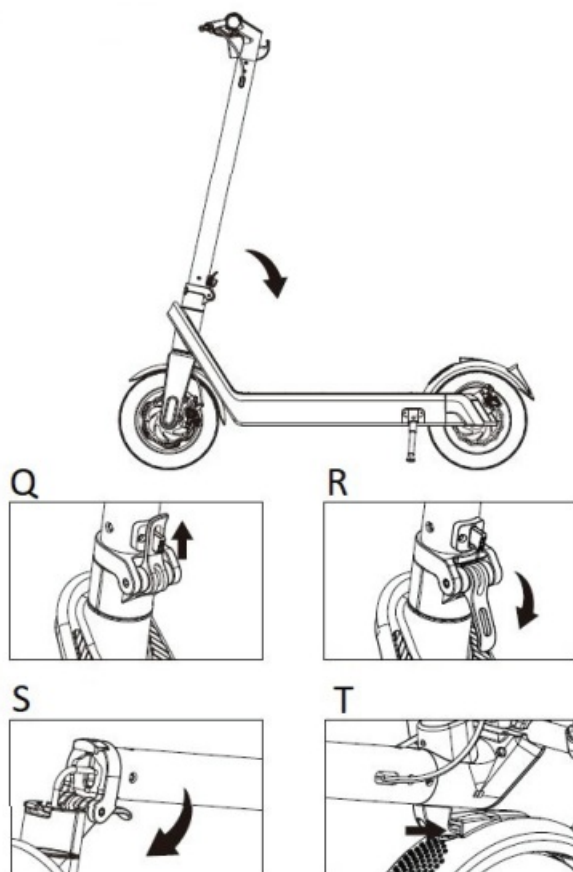
Warning

Always switch off the electric scooter and disconnect the charger from wall socket before assembling or removing accessories!



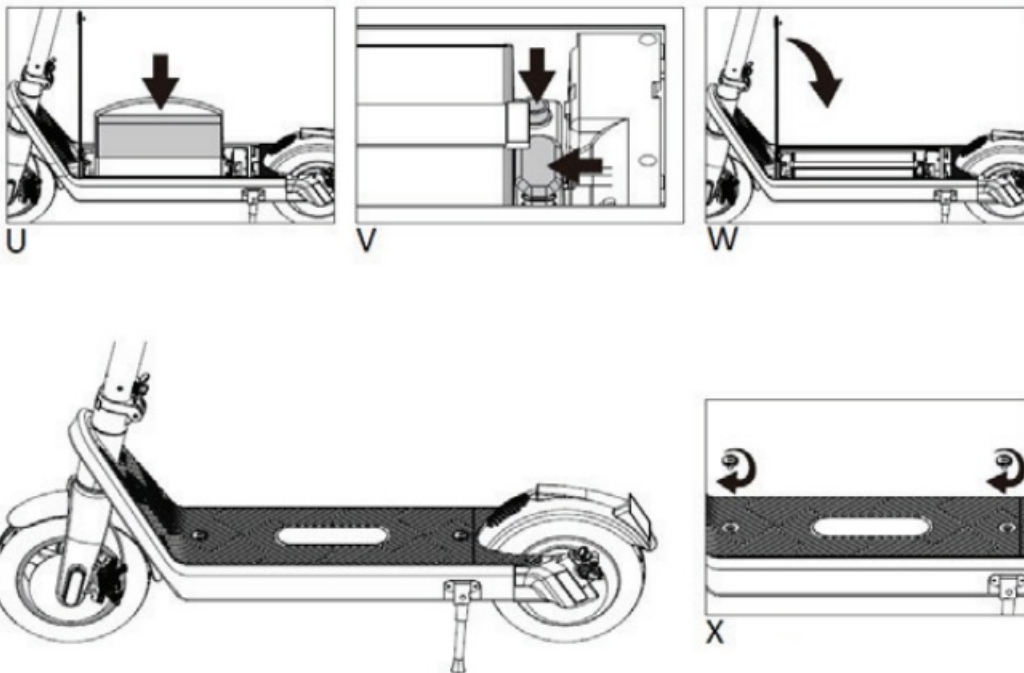
- N – Lift the column in upright position and secure with the locking ring
 O – Connect both cables and insert the handlebar into the column
 P – Connect the handlebar with the column using screws (included)

FOLDING DOWN THE E-SCOOTER



- Q – Turn the locking ring
- R – Loosen the locking clip
- S – Fold the column
- T – Press the hook to engage into the hole in the rear mudguard.

INSTALLATION OF THE BATTERY



- U – Place the battery in the e-scooter horizontally
- V – Connect the charging and power supply connector to the battery
- W – Put the battery cover onto the battery
- X – Tighten the screws clockwise

You can find images for labels in the CZ version of this manual.

HOW TO RIDE THE ELECTRIC SCOOTER

1. Press and hold the On/Off button for 2 seconds.
2. Place one foot on the deck and use the other one to kick off the ground.
3. After you reach a sufficient speed and you feel stable, place your other foot on the deck of the electric scooter.
4. After start, slightly press the accelerator and carefully turn the handlebars to change direction.
5. Press the ACCELERATOR button to accelerate. Be careful and do not ride too fast!
6. Press the brake lever and lightly step on the rear brake to brake.
7. When the electric scooter slows down enough, remove your foot from the deck. After the electric scooter stops completely, put both your feet on the ground.

RANGE OF THE ELECTRIC SCOOTER

The range of the electric scooter can be affected by several factors, such as the weather, weight, battery charge and state of the road. These are just main examples, each factor can affect the range and many of them can combine with each other. Please bear in mind that the total range given in specifications is for reference only. The actual range can vary greatly. Bear it in mind when using the electric scooter.

BATTERY SPECIFICATIONS

Follow these storage and charge instructions to extend battery lifespan and performance. Please pay special attention to safety precautions and other specifications.

Battery specifications	
Type	Li-ion battery
Charging time	8-9 hours
Voltage	36 V
Operating temperature	0 °C–35 °C
Charge temperature	0 °C–35 °C
Maximum charging voltage	42 V
Recommended storage time (-8 °C – 35 °C)	3 months when fully charged
Maximum charging current	2 A
Input voltage	100–240 V
Frequency	50–60 Hz
Output voltage	42 V
Output current	2 A
Storage temperature	-8 °C–35 °C

SAFE USING OF THE BATTERY

- Stop using the battery in the following cases:
- Use the battery of the electric scooter only in accordance with local laws. Contact a qualified person to remove and replace the battery.
- Do not touch any substances leaking from the battery. If the battery starts to produce an unpleasant odour or gets too hot, stop using it.
- Do not use the electric scooter during charging. Always disconnect the battery from the charger before ride and installation.
- Do not let children and animals touch the battery!
- To ensure proper operation of the battery, pay attention to the storage and charge temperature. Always observe the temperature range given in the specifications.
- Always follow local laws when transporting lithium batteries. Lithium batteries are considered dangerous.
- The battery contains dangerous substances, never open the battery. Do not insert anything into the battery.
- It is forbidden to charge a lithium battery that has been over-discharged. These batteries represent a safety hazard, hand them over to the appropriate collection point.
- If the internal temperature of the battery exceeds 45 °C, the protection system will be automatically activated.
- Do not charge the battery if the outdoor or indoor temperature exceeds 40 °C.
- Never leave the electric scooter on a direct sunlight. This could damage the battery.
- Use only original chargers to charge the electric scooter.

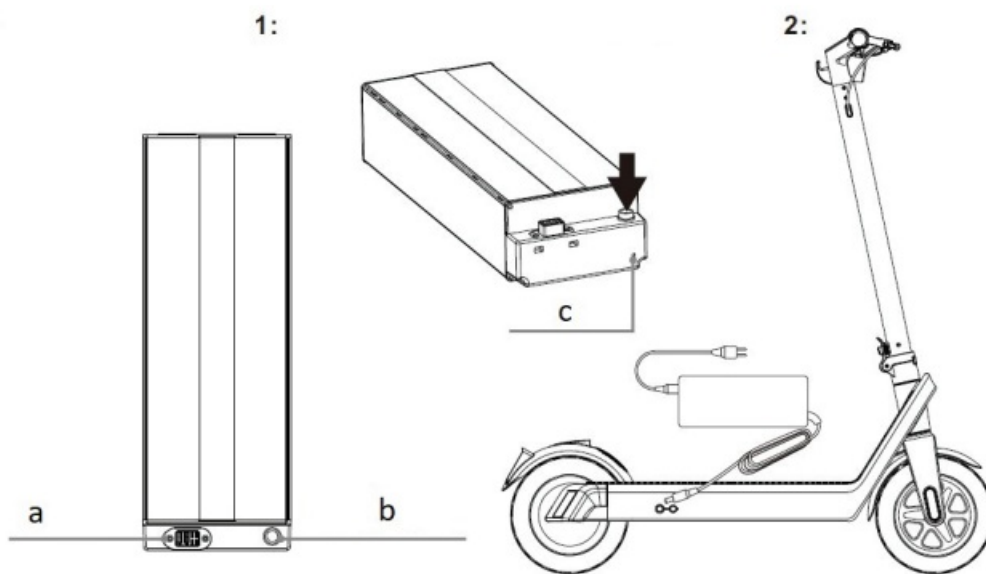
CHARGING METHODS

Method 1:

- Remove the battery from the e-scooter, remove the silicon cover on the charging port, plug DC connector in battery's charging port.
- If the signal lamp of the charger lights red, the charging process continues.
- If the signal lamp of the charger lights green, the charging process has been completed.

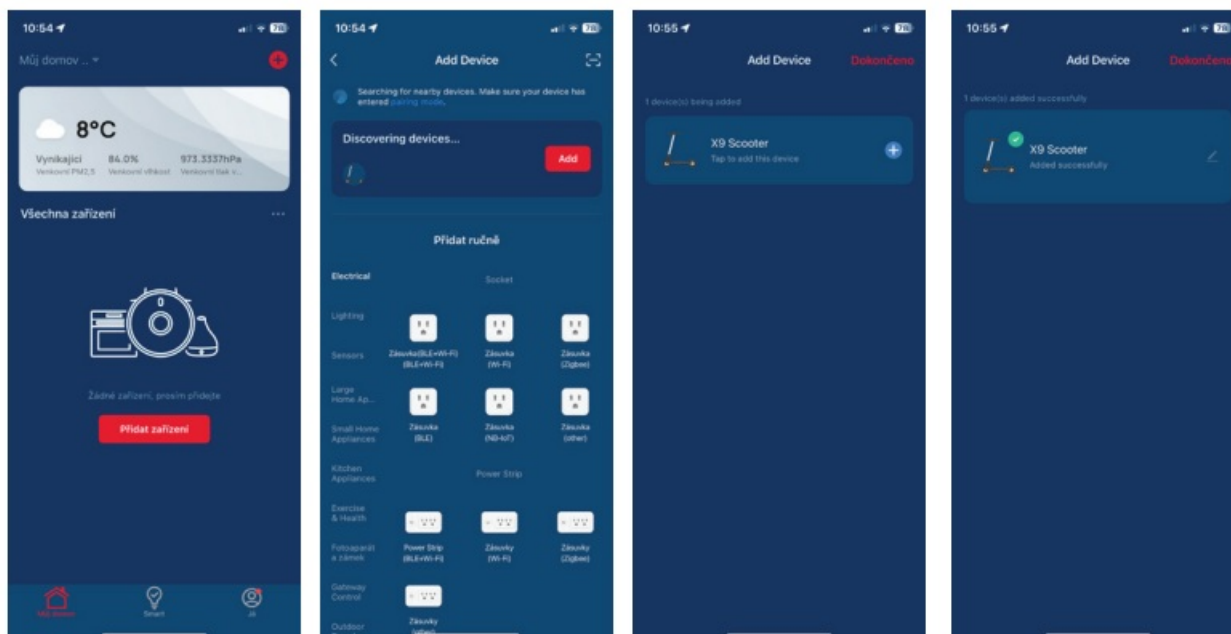
Method 2:

- Remove the silicon cover on the charging port on the side of the e-scooter and plug DC connector of the charger to battery's charging port.



- a** – Power supply connector
b – Charging connector
c – Charging indicator

CONNECTING E-SCOOTER TO THE APPLICATION



- Download Concept Home application from Google Play or App Store.
 - Register or log in.
 - Be sure Bluetooth is switched on in your smartphone.
1. Switch on the e-scooter and click on Add device in the application
 2. As soon as the e-scooter has been displayed on the top of the display, click on Add
Or click left on Outdoor travel -> Scooter
 3. Now click on + (pairing with e-scooter)
 4. The e-scooter has been successfully connected.

CLEANING AND MAINTENANCE

- Always make sure that the battery and charger of the electric scooter are disconnected from the power supply. The electric scooter must be switched off.
- Dampen a soft cloth with clean water and use it to clean the electric scooter. Never use an excessive amount of lubricating oil when performing bearing maintenance.
- It is forbidden to clean the electric scooter using water spray or immerse it into water and other liquids. This would permanently damage the electrical components.

STORAGE

- Before storage, fully charge the battery to prevent damage to the battery caused by over-discharge during longterm storage.
- Recharge the battery at least once every three months.
- Do not charge the battery if the storage temperature is below 0 °C. Move the battery to a room with a room temperature and then charge it.
- Store your electric scooter in a suitable dry interior. The electric scooter can be covered to prevent dust on settling on it.

TROUBLESHOOTING

Problem	Remedy
The electric scooter does not start	Charge the battery.
The electric scooter does not charge	Make sure that the charger is correctly connected to the wall outlet, if not, connect the charger to the mains.
	Make sure that the charger of the electric scooter works (the indicator is on).
	Make sure that the plug of the charger and the charging port of the electric scooter are correctly connected.
Reduced performance of the battery	The battery life is over – replace the battery with a new one. Contact an authorized service centre.
The motor is not working	Contact an authorized service centre.
Brakes	The brakes make a grinding or whistling noise – check their adjustment.
	If the clamping element of the brakes is loosened, tighten the bolts and adjust the brakes.
	If the brakes and brake pads are dirty and offer poor braking power, clean the brakes with clean water.

If the instructions in the table above do not help you to solve the problem, contact your dealer or an authorized service centre. Any modifications and repairs you make to the electric scooter may damage the appliance and subsequent warranty claims will not be accepted!

BATTERY DISPOSAL

The appliance contains a Li-ion battery. This type of battery contains substances that can damage the environment in their disintegration. Before disposing of the appliance or replacing the battery, the original battery must be removed and returned to an appropriate collection point.

SERVICE

Extensive maintenance or repair, which requires access to internal parts of the product, has to be performed by a qualified service centre.

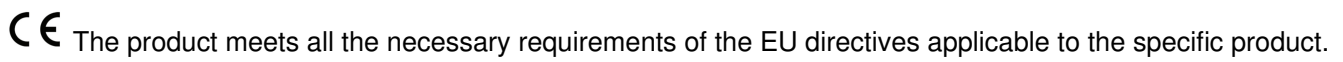
ENVIRONMENTAL CONCERNS

- Packaging materials and old appliances should be recycled.
- Packaging materials may be disposed of as sorted waste.
- Dispose the plastic bags made of polyethylene (PE) of as sorted waste.

Recycling of the appliance at the end of its lifespan



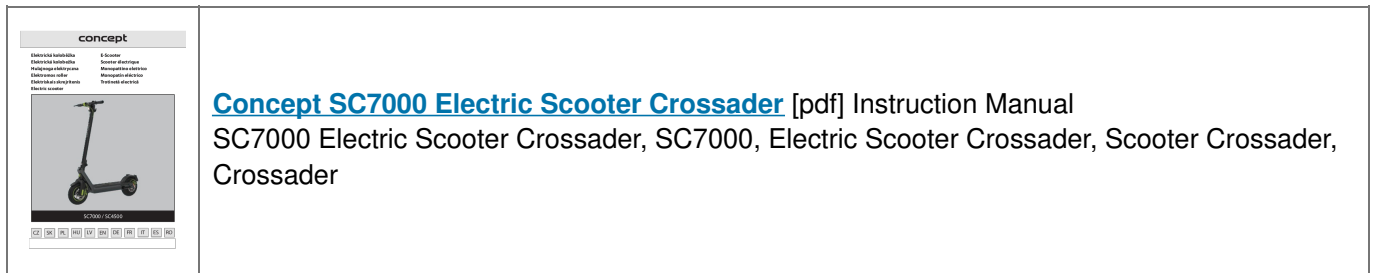
— This appliance is labelled in accordance with European Directive 2012/19/EU concerning used electrical and electronic appliances (Waste Electrical and Electronic Equipment – WEEE). The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The disposal of such material has to be done according to the recycling regulations. For more detailed information about recycling of this appliance see the authorized local office or service for household waste disposal or the shop, where you purchased the appliance.



Changes in text, design, and technical specifications are subject to change without notice and we reserve the right to change them.

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Documents / Resources



References

- [User Manual](#)