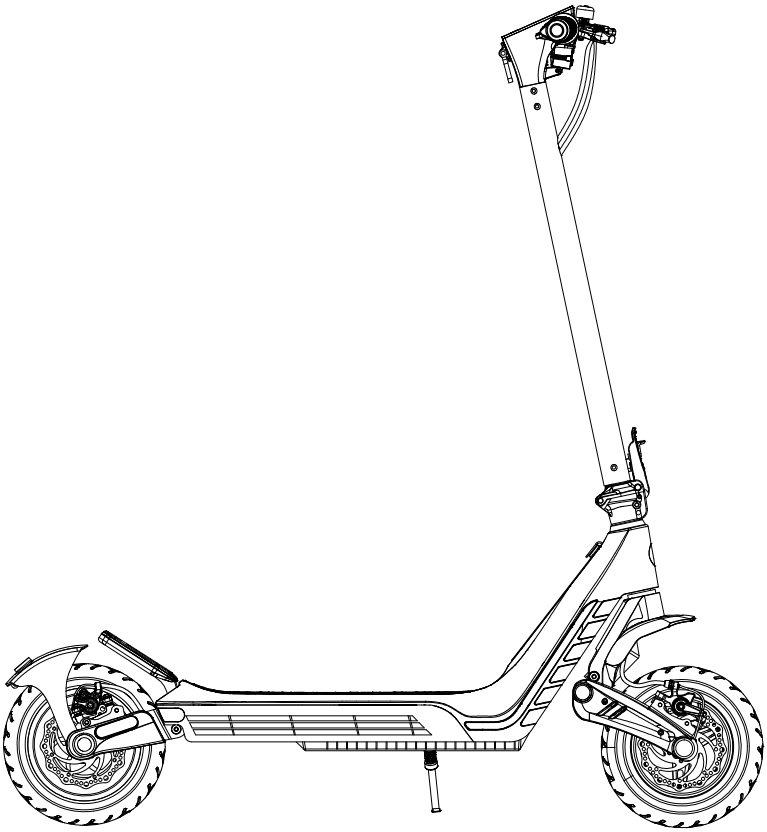
SENCOR®

SCOOTER S80



EN	**User Manual**	**Electric scooter**
CZ	**Uživatelská příručka**	**Elektrická koloběžka**
SK	**Používateľská príručka**	**Elektrická kolobežka**
HU	**Felhasználói kézikönyv**	**Elektromos roller**
PL	**Podręcznik użytkownika**	**Hulajnoga elektryczna**

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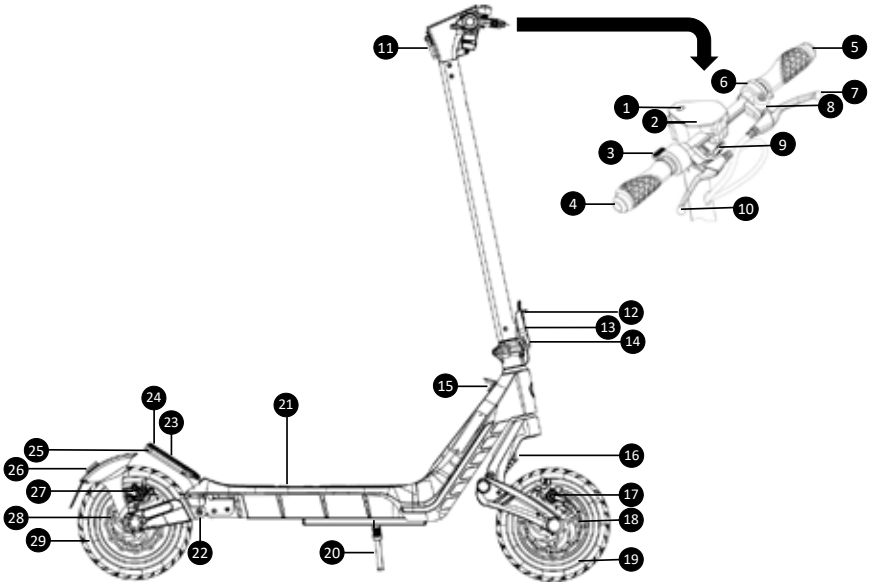
1x Charging adapter
1x Allen key
1x Special wrench for tightening the front fitting
4x Allen bolt M5x25
1x User's manual

2. Description of SENCOR SCOOTER S80 Electric Scooter



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3. Settings via Mobile App

This electric scooter can be set up via the SENCOR HOME app.

- Download the app to your smartphone, register and set up your electric scooter. If you already have the SENCOR HOME app installed, add your electric scooter to it.

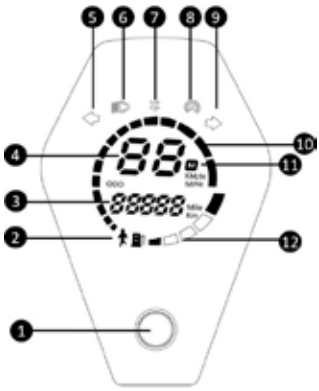
- Instructions on how to use the application can be downloaded from https://www.sencor.com/ in the SCOOTERS section
- Reset pairing with the SENCOR HOME app is done with the electric scooter switched on and the power button pressed 8 times in succession. Successful reset will be announced by an audible tone.

4. Controls

4.1. Function Controller

Multifunction button	Electric scooter on/off button (long hold)
	Light on/off button (press once)
	Drive mode change button (press twice)
Turn indicators control	Left button – start the left turn indicator
	Right button – start the right turn indicator
	(the turn indicator switches itself off after a few seconds, or you can stop its function by pressing the button again)
Cruise control	The cruise control function can only be switched on/off in the app

4.2. Display



1. Multifunction button
2. Active mode indicator light (Walk)
3. Total distance travelled counter
4. Current speed reached (MPH; km/h)
5. Active left turn indicator light
6. Light on indicator
7. Bluetooth mode indicator light
8. "Cruise control" indicator light
9. Active right turn indicator light
10. Graphical representation of the current speed
11. Active driving mode (Eco, STD, Sport)
12. Battery charge indicator

4.3. Driving Modes

Switching between driving modes is done by double-clicking the switch button.
A successful mode change will be audibly announced and shown on the display.

Green "walk" icon	Walk	up to 6 km/h
White "M" icon	Eco	up to 10 km/h
Green "M" icon	STD	up to 20 km/h
Red "M" icon	Sport	up to 25 km/h

5. Starting the Operating Mode

1) Switch on the electric scooter.
2) Fully press and hold down the speed control until the display shows a value of 16.
3) Keep holding down the speed control and press the brake lever simultaneously.
4) Release the brake lever.
5) The electric scooter switches to the last set driving mode.

CAUTION:
Always start the operating mode when the SCOOTER S80 is not in motion. Start up to the operating mode gradually and slowly according to the instructions.

6. Before First Use

Follow the steps before starting the electric scooter for the first time.

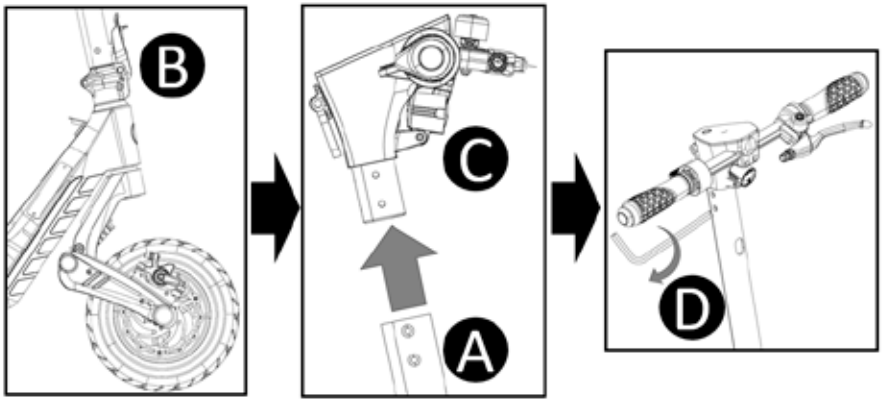
- Assemble the electric scooter according to the chapter: Assembling the SCOOTER S80
- Check that all nuts and bolts are tightened.

Before each ride, check the tightening and fixing of all detachable parts. If any bolts, nuts or Allen bolts are loose, tighten them with the appropriate tool.

- Charge the battery to full capacity

7. Assembling the SCOOTER S80

a) Unpack the electric scooter from the shipping box and remove all protective films.
b) Straighten the handlebar tube "A" and use the lever to lock the handlebar folding joint "B" in the operating position (see chapter "Folding the Handlebars").
c) Insert handlebar "C" into handlebar tube "A". Screw the supplied "D" bolts into the threads by hand and tighten firmly with the appropriate wrench.

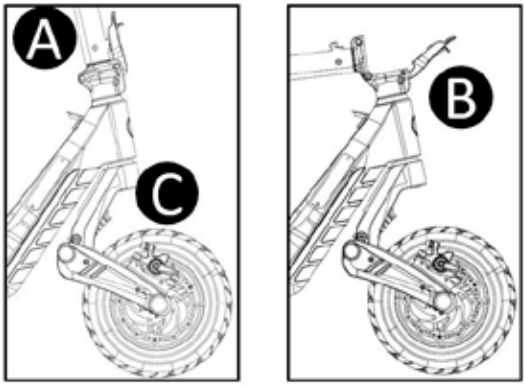


8. Folding the Handlebars

a) Make sure the electric scooter is switched off before folding the handlebars. Take extra care when folding to avoid turning on the electric scooter.
b) First, release the safety "Small Lever" in the direction of travel, which is located next to the "Large Lever" for folding out.
c) The "Large Lever" release has a safety lock on it. Move the safety lock upwards to release the "Large Lever" movement.
d) After the two safety locks have been released, fold the "Big Lever" in the direction of travel.

Folding the handlebars (transport position):
Release both safety locks and fold the "Large Lever" ("**B**" in the picture below) in the direction of travel so that the handlebar tube can be folded into the transport position. Hook the hook located at the top of the handlebars into the hole located in the rear footplate.

Handlebar assembly (operating position):
Align the handlebar tube in a vertical position so that the "Big Lever" fits exactly into the lock located between the handlebar tube and the scooter body (between "**A**" and "**C**" in the picture below). After folding, secure the mechanism with the "Small Lever" and check that it is not possible to fold the handlebars into the transport position.



Electric scooter transfer:
Always ask another person to help you when carrying the electric scooter (or loading it into the vehicle).

9. Charging

The charging is performed with the supplied charging adapter. First, uncover the rubber cap of the charging connector at the front of the electric scooter (No. 15 in the main picture) and connect the charging adapter. Then connect the charging adapter to your power outlet. When the charging process is finished and the charging adapter is disconnected, cover the charging connector opening again with the rubber cap. Regularly check if the protective cap covers the charging connector whenever the charging does not take place. The electric scooter cannot be switched on during the charging process.

The indicator LEDs on the charging adapter show 2 states:
- red – charging process in progress
- green – battery is fully charged or the charging adapter is not connected to the electric scooter

CAUTION:
For charging, use only the original accessories supplied with the device or the original charging adapter purchased. When the battery operating time becomes very short, the battery lifetime has been used up; we recommend that you have the battery replaced at your authorized centre. Do not charge your electric scooter in enclosed spaces and without supervision.

Recommendation:
If the electric scooter is not to be used for an extended period of time, we recommend to fully charge the battery once every two to three months. We do not recommend storing the electric scooter with a flat battery to prevent irreparable damage to the battery (loss of capacity).

10. Driving

CAUTION:
- **Before each ride, use helmet and protectors to prevent injury in case of falling.**
- **Before each ride, check the technical condition of the electric scooter.**
- Before each ride, check that both mechanical brakes (No. 7 and 10 in the main illustration) are fully functional.

- Place one foot on the ground, press the speed control (No. 3 in the main picture) and push off lightly with the other foot.
- Once the scooter is in motion, press the speed control lever to start the motor. As soon as the scooter starts on its own, place the other foot on the scooter surface.
- Stopping is the basis for safe driving of an electric scooter. Always use both mechanical brakes simultaneously to stop.
- Try the first turns on a flat surface and at slow speed. To turn, move your centre of gravity slightly by tilting gently to the desired direction of travel and slowly turning the handlebars.
- When you have finished riding, place the electric scooter on the stand. Make sure that the electric scooter does not start by itself. Avoid leaning on glass surfaces, doors, sliding gates and moving objects. Secure the electric scooter to prevent injury to persons and animals.

CAUTION:
Never overload the SCOOTER S80 electric scooter to avoid damaging, bending or breaking parts on it. Mechanical damage cannot be claimed under warranty repair.

11. Safety Instructions

During each ride, use helmet and protectors to prevent injury in case of falling.

This electric scooter is designed for fun and recreational use. This is not a means of transport. Observe the safety of everyone in both private and public areas, follow the instructions below as well as local traffic regulations.

When meeting pedestrians, pay close attention to your ride and make sure pedestrians are aware of your presence.

Higher driving speed means automatically a longer braking path. Keep safe speed in case of unexpected need to stop and keep a safe distance from others. Even on a flat surface, you may encounter situations or terrain that cause you to lose balance, skid or other unexpected situations that can cause you to fall. Always pay close attention to driving.

Check the mechanical brakes, battery charge status, wear of components and wheels before each ride. In case of loose parts or unusual noises, carry out a thorough check and contact an authorised service centre if necessary.

Neither the manufacturer nor the distributor are liable for any financial damages, injuries, accidents, legal disputes or conflicts resulting from non-observance of the safety instructions.

- Do not drive in the rain and avoid slippery surfaces.
- Do not ride through puddles, water or in rain.
- If you encounter an obstacle on your way, stop and carry the scooter over the obstacle.

Exercise caution when passing through low ceilinged areas.

- Do not accelerate downhill and always brake well in advance. If you encounter a steep descent (e.g. a steep hill), stop and guide your scooter.
- Do not start the electric motor while pushing the scooter.
- Always avoid obstacles.
- Avoid carrying luggage on the front handlebars, footplate or other parts of the electric scooter.

- Always keep both feet on the scooter's footplate while riding.
- Operate the electric scooter in designated driving areas. Observe the local regulations of the regions, parks, cities and states where you want to operate the scooter.
- Do not turn sharply at high speeds.
- Do not ride one electric scooter with more than one person, even in the case of children.
- Always hold on the handlebar.
- Do not try to ride up the stairs, down the stairs or jump with your electric scooter. The wheels of the electric scooter must be in contact with the riding surface at all times.
- Always carry the electric scooter over curbs, elevated obstacles and rough terrain to avoid damaging the bottom cover of the electric scooter.

12. Maintenance and Adjustment

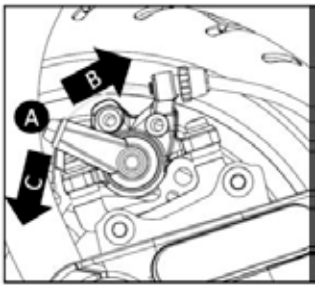
Regular maintenance and correct adjustment of all parts of the electric scooter prolongs its
life. Before each ride, check the tightening and fixing of all detachable parts.
If any of the bolts, nuts or Allen bolts are loose, tighten them with the appropriate tool.
The brake mechanism must be adjusted before the first ride. Contact a specialised provider (e.g. a bike service) for proper adjustment. Adjustments cannot be made under warranty or post-warranty service at the manufacturer or distributor.

Cleaning – It is advisable to keep the individual parts clean regularly to make the electric scooter easily visible to others and to reveal any mechanical damage to the individual parts. Clean the individual parts of the electric scooter with a damp cloth and then use preservative oil (except for the brake disc, brake pads and rubber parts).

CAUTION:
Never use a high-pressure water wash to clean the electric scooter. Do not use aggressive cleaning products that could damage individual parts of the electric scooter.

Brake adjustment – The mechanical brakes on the front and rear wheels must be checked and regularly adjusted. Brake adjustment is carried out in several steps.

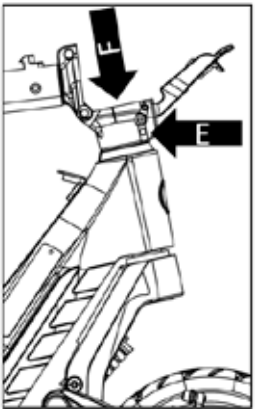
A) fine-tuning the brakes is done directly on the brake lever. Turning the smaller nut clockwise tightens the brake. Turning the smaller nut counterclockwise releases the brake. After successful adjustment, do not forget to fix the position with the larger nut. Tighten the larger nut counterclockwise towards the brake lever.
B) tightening the brakes using brake cables. First, prepare the nuts on the brake levers to the position where the small nut is screwed into the brake lever body. In the next step, use a 5 mm Allen key to loosen the Allen bolt on the brake valve arm ("A"). Pull the brake valve arm by hand against the spring resistance ("B") and pull the cable outwards from the brake using pliers ("C"). Tighten the Allen bolt ("A") firmly with the appropriate Allen key.



The correct brake setting can be seen by the fact that the brake pads do not rub against the brake disc when pushing the electric scooter, and the braking effect occurs when you press the lever at the upper level.

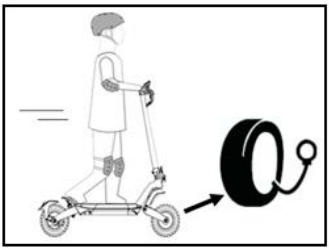
CAUTION:
After hitting the brakes, test the correct settings while walking with the electric motor switched off. You can only start driving if you are sure that the mechanical brakes are fully functional and the braking effect is as good as possible. We recommend that you have your brake settings checked by a specialist service centre or bike shop.

Adjusting the front joint fitting – check the tightening of the front joint fitting periodically. In transport position, a special bolt ("F" in the picture below) is accessible in the handlebar tube joint to tighten its attachment. Before tightening the special bolt in the handlebar tube joint, first loosen the 6 mm Allen bolts ("E") located on the joint sleeve (one on each side of the joint). Tighten the joint fitting gently to ensure that the steering rotation is not rigid and that the slack in the joint fitting is as small as possible. After adjusting the joint fitting, align the handlebars and tighten the bolts "E" firmly. Whenever the steering slack increases while riding the electric scooter, tighten as follows.



Adjusting the Large Lever of the folding mechanism – If the folding mechanism shows slack, an adjustment is required. The adjustment bolt fits into the "Large Lever" of the folding mechanism and is located at the lower part of the handlebar tube. Fold the handlebars to the transport position and define the clearance by loosening the 3 mm Allen bolt (turning counterclockwise). Loosen the bolt gradually and continuously try to fold the electric scooter into operating mode until the "Large Lever" lock shows noticeable stiffness. Never loosen the bolt so that the folding mechanism "Large Lever" can only be clicked in with great force.

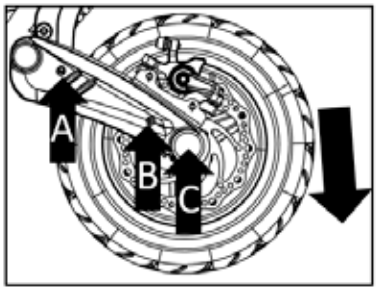
Tyres – Check the tyre pressure before each journey. The air pressure should be maintained between **2.2 and 2.4 bar**. If the tyre pressure is lower, use a pump with a car valve end cap to inflate the tyre to the desired level. If the pressure is higher, release it to the desired value.



Regularly check the condition of the tyres and patterns on both wheels. If the tyres are worn, they must be replaced immediately.

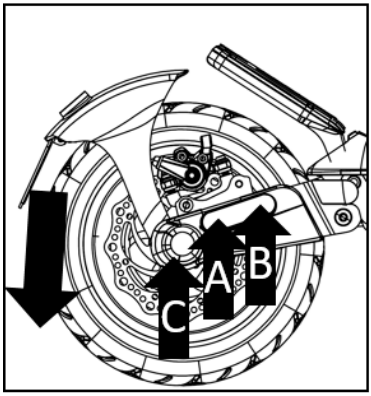
Changing tyres – If a tyre is excessively worn or has a puncture, it must be replaced. Contact your service partner for a tyre change. The correct tyre size and pattern prescribed by the manufacturer must always be observed. Do not attempt to change the tyre without professional assistance.

Removing the front wheel – Unscrew the front side fork covers on both sides using a 3 mm Allen key ("A" and "B" in the picture below). Loosen the front wheel nut ("C") using a 17 mm side wrench and an 8 mm Allen key. Carefully tap out the wheel axle from the brake disc side. Remove the front wheel according to the arrow in the picture below. When reassembling, be sure to put the spacer tubes back between the wheel and the side of the front fork on each side. Then insert the wheel axle and tighten securely.



CAUTION:
The front wheel nut ("C") is fitted with a plastic anti-sag lining. It is recommended that the nut ("C") be replaced with each wheel removal and installation to prevent loosening during operation.

Removing the rear wheel – Heat the rear orange reflectors with a hair dryer and insert a dull knife between the reflector (black part) and the rear fork cover. The reflector consists of two parts – an orange reflector and a black backing part. Carefully remove the reflectors from both sides. Underneath you will find two 3 mm Allen bolts ("A" and "B" in the picture below) which must be loosened to remove the rear fork cover. Then loosen and unscrew the nuts ("C") of the rear wheel with a 21 mm side wrench and remove the lock washers. Release the motor lead and raise the rear wheel. When folding the rear wheel back in, be sure to correctly assemble the individual rear wheel parts (spacing washer, lock washer, and nut).



CAUTION:
The rear wheel will be held on the electric motor lead. Only a specialist service centre can disconnect the electric motor.

Replacing the turn indicators – Use extra caution when storing, putting away and dropping the electric scooter on objects that could damage the turn indicators located at the end of the handlebars. If the turn indicator is mechanically damaged, new flashers can be purchased as a separate part. To replace the turn indicator, loosen the 1.5 mm Allen bolt located underneath the handlebars. Pull the turn indicator out and disconnect it at the connector. Connect the new turn indicator and cover the connector with the new protective tape. Insert the turn indicator into the handlebar tube and gently tighten the 1.5 mm Allen bolt.

CAUTION:
Mechanical damage to the turn indicators is not covered by the warranty. Tighten the 1.5 mm Allen bolt carefully to avoid damaging the threaded fit and surroundings in the turn indicator.

13. Technical Specifications

Key Features
Maximum speed up to 25km/h
Travel range up to 60km
Front and rear wheel suspension
Aluminium framework
SENCOR SCOOTER app available at Google Play and APP Store
Front and rear LED lighting
LED display (mode, speed, battery, lighting, Bluetooth)
Turn signal indicators
Drive
Engine power 500 W
Speed:
- SPORT mode up to 25 km/h
- STD mode up to 20 km/h
- ECO mode up to 10 km/h
- WALK mode up to 6 km/h
Range up to 60 km at a weight of 80 kg
Cruise control
Maximum pitch angle up to 15°
Wheels
10-inch front and rear tubeless tyres
Anti-puncture gel for tyres
Dual braking system - electrical and mechanical
Disc brakes
Front and rear wheel suspension
SENCOR HOME app
Available at Apple App Store and Google Play
Lock the scooter with the app
Bluetooth 5.0
Technical Specifications
Maximum load: 120 kg
Dimensions: 120 x 52 x 127cm (unfolded)
Dimension: 120 x 52 x 58cm (folded)
Weight: 24 kg
Working temperature: 0 to 40°C

Storage temperature: 0 to 45°C
Noise level < 70dB(A)
Adapter
Input voltage: 100–240V AC 50/60Hz
Input current: 2A
Output voltage: 54.6V
Connector: Φ 12.3 x 10mm
Battery
Capacity: 720W – 15Ah/48V Li-ion
Charging time: max. 8 hours
Protection against: short circuit, overvoltage, overcharging, overheating
Protecting the Battery Against Excessive Discharging

Charging adapter	Value and Accuracy	Unit
Manufacturer's name or trademark, company ID and address	Manufacturer's name: Jin Xin Yu Power(Shenzhen) Supply Co., Ltd. Add: 3-4F,No.38, Yuanxinlu, Tongle, Longgang Shenzhen, Guangdong,China	
Commercial registration number: 91440300360108074 W	-	
Model identification code	XVE126-5460200	-
Input voltage	100–240	V
Input frequency	50/60	Hz
Output voltage	54.6	V
Output current	2	A
Output power	109.2	W
Average efficiency in active mode	89	%
Efficiency at low load (10%)	88	%
No load power consumption	0.16	W
Bluetooth	Version	5.0
	Maximum Transmitter Power	100mW @ 2.4GHz–2.4835GHz

INSTRUCTIONS AND INFORMATION ON DISPOSAL OF USED PACKAGING MATERIAL
Take the packaging material to a designated municipal waste facility.

DISPOSING OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT
This symbol on products or original documents means that used electric or electronic products must not be added to standard municipal waste. For proper disposal and recycling, take these products to designated collection points. Alternatively, in some European Union states or other European countries the products can be returned to the local retailer when buying an equivalent new product. Correct disposal of this product helps save valuable natural resources and prevents damage to the environment caused by improper waste disposal. Ask your local authorities or collection facility for more details. Fines may be imposed for improper disposal of this type of waste in accordance with national regulations.

For Business Entities in European Union States
If you want to dispose of electric or electronic devices, ask your retailer or supplier for the necessary information.

Disposal in Other Countries Outside the European Union
This symbol is valid in the European Union. If you wish to dispose of this product, request the necessary information about the correct disposal method from the local council or from your retailer.

CE FAST CR, a.s. hereby declares that the radio device type SCOOTER S80 conforms to the 2014/53/EU directive.

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make such changes.

The original version of the instructions is in the Czech language, other language versions are made by the appropriate translation.

SENCOR®

EN Warranty conditions

Warranty card is not a part of the device packaging.

This product is warranted for the period of 24 months from the date of purchase to the end-user. Warranty is limited to the following conditions. Warranty is referred only to the customer goods using for common domestic use. The claim for service can be applied either at dealer's shop where the product was bought, or at below mentioned authorized service shops. The end-user is obligated to set up a claim immediately when the defects appeared but only till the end of warranty period. The end user is obligated to cooperate to certify the claiming defects. Only completed and clean (according to hygienic standards) product will be accepted. In case of eligible warranty claim the warranty period will be prolonged by the period from the date of claim application till the date of taking over the product by end-user, or the date the end-user is obligated to take it over. To obtain the service under this warranty, end-user is obligated to certify his claim with duly completed following documents: receipt, certificate of warranty, certificate of installation.

This warranty is void especially if apply as follows:

- Defects which were put on sale.
- Wear-out or damage caused by common use.
- The product was damaged by unprofessional or wrong installation, used in contrary to the applicable instruction manual, used in contrary to legal enactment and common process of use or used for another purpose which has been designed for.
- The product was damaged by uncared-for or insufficient maintenance.
- The product was damaged by dirt, accident of force majeure (natural disaster, fire, and flood).
- Defects on functionality caused by low duality of signal, electromagnetic field interference etc.
- The product was mechanically damaged (e.g. broken button, fall).
- Damage caused by use of unsuitable media, fillings, expendable supplies (batteries) or by unsuitable working conditions (e.g. high temperatures, high humidity, quakes).
- Repair, modification or other failure action to the product by unauthorized person.
- End-user did not prove enough his right to claim (time and place of purchase).
- Data on presented documents differs from data on products.
- Cases when the claiming product cannot be indentified according to the presented documents (e.g. the serial number or the warranty seal has been damaged).

Manufacturer:
FAST ČR, a.s., U Sanitasu 1621, Říčany 251 01, Czech Republic

Visit **www.sencor.com** for detailed information about authorized service centers.

The original version of the instructions is in the Czech language, other language versions are made by the appropriate translation.

Revision 12/2023

FAST ČR, a.s., U Sanitasu 1621, Říčany CZ-251 01