

USER MANUAL – EN
IN I1-6.5 Electroboard RayeeTech I1
IN I6-10 Electroboard RayeeTech I6 Rambo



Pictures for illustration purposes only. Colour may vary.

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SAFETY PRECAUTIONS

Please, read this manual carefully before using this device. Pay attention to all precautions and warnings to increase your safety. Keep this manual for possible references in the future.

- Read this manual carefully before first riding.
- Check your device that all components fit well. If it is not so, contact the producer.
- Pay attention to speed limits and to correct braking.
- Don't endanger yourself or other people while riding. Don't ride on steep slopes or on uneven surface.
- Don't do any improper adjustment or maintenance. This could decrease safety of this device.
- Incorrect using can cause serious injuries (even lethal) or damage.
- Check this device regularly for damage or wearing. Worn parts must be replaced immediately.
- Never use damaged device. Also don't use it if you find some sharp edges on this board.
- Use it only in accordance with this manual. Don't disassemble it by yourself.
- Acquire experience before first riding. Try to learn how to ride this device correctly before first using. If you are not sure, ask some other person for help or advice.
- Pay attention. Using this device on public roads or sidewalks (or in other places) is not allowed everywhere. Be sure that you don't violate local laws or prescriptions using this device. If you are not sure, ask local authorities.
- Don't use it on public roads (including motorways etc.).
- This device is intended as a personal transporter and was tested in this way. Only one person can use it at the same time. Don't use it for transport of some other people.
- Check the battery level before each using. If the level is too low, don't start riding.
- Never use it in darkness or at night. Don't use it in worsened visibility conditions or at dusk.
- Wear protectors (elbow, knee, wrist etc.) and helmet before each riding. Always wear shoes.
- This device is only for personal using. Don't use it for commercial purposes.
- Don't let children use this device.
- This device is not suitable for elderly or pregnant women.
- Don't ride after drinking or using drugs. Don't carry items while riding.
- Be familiar with local traffic rules and comply with local laws. Have respect to pedestrians.
- Control your speed and pay attention to all fact, which could influence your riding. Good visibility is very important. Don't exceed the speed limit and observe the weight limit to avoid an accident.
- Relax your legs and slightly bend your knees when riding on uneven surface. Put your feet on pads.
- In case of any accident, stay in place and wait for help.
- When you ride along with other users, keep safe distance between each other to avoid a collision.
- Pay attention especially if you pass doors and keep in mind your height has increased. Avoid narrow places and keep balance.
- Other activities (such as: phone using, listening to music etc.) can distract your attention from riding. Don't do it.
- Check tires for wearing. Replace them, if necessary.

- Don't ride on slippery or wet roads and don't use it in rain. Don't ride on uneven surface. Don't use it in snow or in icy terrain.
- Avoid obstacles, dirt, small stones and steep slopes. Use this device only on flat and clean surface.
- Avoid space with flammable gas, steam, liquid, dust, fibres etc.

Check, if your device is complete. In each package you should find:

Number	Name	Quantity
1	Device	1
2	Charger	1
3	Warranty card	1
4	Product manual	1

PRODUCT DESCRIPTION

This device is a high-tech electric transporter based on dynamic balance principles. It is very easy to ride it. As some other advantages we can mention:

- Flexible control.
- Low carbon footprint.
- Green environmental protection.
- Using during various sports activities.



DESCRIPTION OF DEVICE

	1. Fender
	2. Mat
	3. Display board
	4. Tire and motor
	5. LED light
	6. Underbody protection

WORKING PRINCIPLES

This device uses gyroscopes and acceleration sensors to control balance intelligently depending on the gravity centre. It uses a servo-control system to drive the motor. It adapts to the human body. When you stand on it and lean your body forward or backwards, the power plant controls the wheels in the same direction to keep balance. If you want to turn, you have to slow down and move your body left or right.

CAUTION: Built-in inertia dynamic stabilization system can keep the direction of forward and backward moving, but it cannot guarantee the stability when turning left or right. If you ride this device, shift your weight in order to overcome centrifugal force for your better safety.

WEIGHT LIMIT

There are two reasons why to limit users weight. The first one is user's safety and second one overload protection.

RayeeTech I1: maximum user weight is 100 kg.

RayeeTech I6 Rambo: maximum user weight is 130 kg.

WARNING: Overload can cause injury or damage.

MAXIMAL TRAVEL DISTANCE

Maximal travel distance depends on many factors, such as:

1. Type of terrain – flat and smooth terrain increases travel distance. On the other hand, uneven terrain it decreases.
2. Weight of user – users weight can influence travel distance.
3. Temperature – correct using and storing in recommended temperatures. Avoid using in extreme weather conditions.
4. Maintenance – regular charging and maintenance can increase maximal travel distance.
5. Driving style – moderate speed increases travel distance Frequent starting or stopping or speed changing decrease this limit.

SPEED LIMIT

RayeeTech I1: max. speed is 10 km/h.

RayeeTech I6 Rambo: max. speed is 15 km/h.

If the speed goes to the maximum permissible limit, buzzer alarm will sound.

This device has been constructed to keep the user in balance within mentioned speed range. If the speed is over this limit, this device will take the initiative to tilt the driver so as to bring the speed down to a safe range.

RayeeTech I1:

Item	Parameter	Remark
N.W.	10 kg	
Maximum user weight	100 kg	
Minimum user weight	20 kg	
Maximum speed limit	10 km/h	
Range	approx. 15 km	
Battery	Li-Sanyo 36V, 4,4 AH	
Tire	6.5"	
Charging time	3 hours	

RayeeTech I6 Rambo:

Item	Parameter	Remark
N.W.	14 kg	
Maximum user weight	130 kg	
Minimum user weight	20 kg	
Maximum speed limit	15 km/h	
Range	approx. 20 km	
Battery	Li-Sanyo 36V, 4.4 AH	
Tire	10"	
Charging time	3 hours	

SAFE USING

To use this device safely pay attention to these warnings and precautions.

OPERATION PROCEDURE

START

- Open the charging port of the vehicle and press the power button.

BEFORE RIDING

- Put this device on a flat surface.
- Put one foot on the pad to trigger a pedal switch and turn on the indicator light.
- After the system enters the self-balancing mode put your second foot on the other pad.

CONTROL




- After standing up successfully, keep your balance and centre of gravity stable while this device is in a stationary state. You can make slight movements forward or backwards with your body.
WARNING: Don't make sudden or abrupt movements.
- If user stands on the platform and device is not at the level state, buzzer will alarm and warning indicator will start shining. Don't use this device at this moment because it cannot enter the self-balancing status.

TURNING

- Lean your body slightly left – it will turn to the left. Lean your body slightly right – it will turn to the right.
- Put the right foot forward and it will turn left. Put the left foot forward and it will turn right.

GETTING OFF

- Keep this device balanced.
- Put one foot down (off mat).
- Put your second foot off mat quickly.

	Body leaning
	Correct and incorrect position
	Turning

WARNING:

1. Do not turn sharply or at high speed to avoid a danger.
2. Do not ride on steep slopes or on uneven surface to avoid an injury or damage.

CONTROL AND INFORMATION DISPLAY DEVICE

MAT SENSOR

There are 4 sensors under the mat. If the user steps on the mats, the self-balance mode will be initiated automatically.

- While riding you must ensure that you stand on the foot mats. Don't step on any other area.
- Don't put any other matters on these mats. They could switch it on and increase the risk of an accident or injury.

DISPLAY BOARD

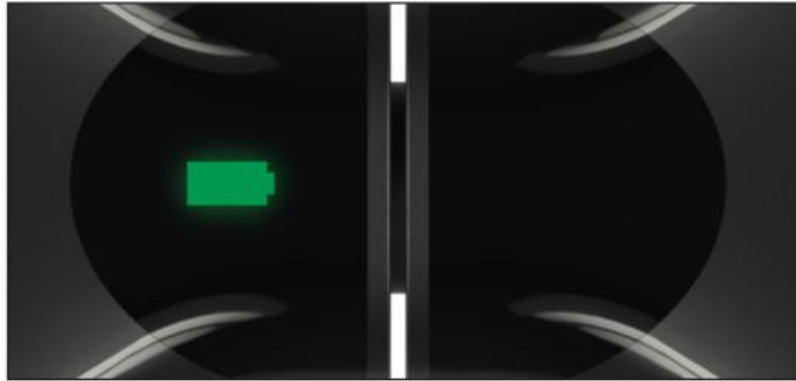
Display board is located on the middle of this device. It displays current information.

A. Battery display

This green LED light indicates this device is fully charged. Yellow LED light shows the power is down to 50%. Red LED light shows the power is down to 20%. When the light gets red, recharge it.

B. Running LED

When the operator triggers the foot switches, the running light will light up. This means that device has entered the running state. In case of any operational error, the running LED light will turn to red.



PROTECTION FUNCTIONS

If the system will detect some error or abnormality, it will prompt the user in different ways such as: alarm indicator shining, sound alarm (buzzer sounds intermittently), loss of balance. This device will prompt you especially in these situations:

- Platform is forward or backwards more than 10°.
- Too low battery voltage.
- Device is charged.

In driving status, the platform will tilt and stop riding especially in these situations:

- Speed exceeding.
- Battery short.
- Too high motor temperature.
- Rocking of device for more than 30 seconds.

In following cases the system enters the protection mode, alarm indicator will be lighted up and buzzer will sound:

- Leaning of the platform more than 35°. This device will be automatically switched off.
- Blocked tires – this device will stop in 2 seconds.
- Insufficient battery power (below protection). This device will be automatically switched off after 15 seconds.
- Sustained high discharge rate during performance (such as driving up long steep slope). This device will be automatically switched off after 15 seconds.

WARNING: When this device turns off, the system halts. Press battery display to unlock it. Never use this device if the battery is too low or if some error has been indicated. Further riding with low battery can decrease its lifespan and can be dangerous.

BEFORE FIRST USING

- Learn how to ride it safely and how to turn, start and stop correctly. Be familiar with this device before your first riding. Don't ride on public roads.
- Wear appropriate sports clothes and shoes. Wear protectors (elbow, knee, wrist etc.). and use a helmet.

- Use this device outdoors only if you can handle it perfectly.
- Ride only on a flat and smooth surface and avoid uneven terrain or potholes.
- Control your speed and reduce it in case of any danger. Slow down on an unsuitable surface.
- Don't use it in a small or narrow space.
- Never use it at dusk, night or in worsened visibility conditions.

BATTERY

Never use this device if the battery power is too low.

Maintain the battery as written to extend its lifespan and to improve its performance.

Don't use the battery if the following occurs:

1. Emits odour or overheats.
2. Don't touch any leaking materials.
3. Keep children and pets away from the battery
4. The charger must be taken out before installing or driving. Use only provided charger.
5. Battery contains dangerous substances. Don't open it and don't insert any things into the battery.
6. Don't charge battery, which has been totally discharged. It could be dangerous.
7. Battery should be disposed in accordance with local law.

CHARGING PROCESS



- Ensure that the charging port is dry.
- Open the charging port.
- Plug the charging cable into this device and make sure the green indicator lights up. Then connect the cable with the power supply (100V ~ 240V, 50, 60 Hz).
- The red light indicates that it has begun to charge. Otherwise check whether the cable is connected.
- When the indicator light goes from red to green, it indicates that battery is fully charged. At this time stop charging. Overcharging can affect the battery lifetime.
- Use a local standard plug.
- Charge and store the battery as suggested. The charging time is about 2 – 3 hours.
- The best charging temperature is 0°C ~ 40°C. Other temperature can cause imperfect charging.
- Keep the charging environment clean and dry.

BATTERY DESCRIPTION

Contents	Parameters
Battery	Li-Sanyo 36V, 4.4 AH
Charging time	approx. 3 hours
Voltage	36V
Working temperature	-15°C ~ 50°C
Charging temperature	0°C ~ 40°C
Storage time (-20°C - 25°C)	12 months
Storage humidity	5%-95%

WARNING: Lithium battery contains dangerous essences. Ship it only according to local laws.

MAINTENANCE AND CLEANING

This device requires the user to do a routine maintenance.

WARNING: First disconnect the charger and turn off this device.

- Wipe the cover.
- Don't use water or other liquids to clean it. Liquids could damage your device especially internal electronics.

STORING:

- Charge the battery fully before storing.
- If you store this device for more than 1 month, remove the battery and charge it at least every three months.
- If the storage ambient temperature is below 0°C, don't charge it. You can bring this device into a warm environment (above 10°C) for charging.
- Protect it from dust using a cover.
- Store it indoors in a dry and suitable place and at adequate temperature.
- If you don't use it for a long time, don't connect the power.

TROUBLESHOOTING

This device has some self-examination components such as sensors, static current system, dynamic current system, motor speed fluctuation etc.

NOTICE: In case of any problem contact the service.

TERMS AND CONDITIONS OF WARRANTY, WARRANTY CLAIMS

General Conditions of Warranty and Definition of Terms

All Warranty Conditions stated hereunder determine Warranty Coverage and Warranty Claim Procedure. Conditions of Warranty and Warranty Claims are governed by Act No. 40/1964 Coll. Civil Code, Act No. 513/1991 Coll., Commercial Code, and Act No. 634/1992 Coll., Consumer Protection Act, as amended, also in cases that are not specified by these Warranty rules.

The seller is SEVEN SPORT s.r.o. with its registered office in Borivojova Street 35/878, Prague 13000, Company Registration Number: 26847264, registered in the Trade Register at Regional Court in Prague, Section C, Insert No. 116888.

According to valid legal regulations it depends whether the Buyer is the End Customer or not.

“The Buyer who is the End Customer” or simply the “End Customer” is the legal entity that does not conclude and execute the Contract in order to run or promote his own trade or business activities.

“The Buyer who is not the End Customer” is a Businessman that buys Goods or uses services for the purpose of using the Goods or services for his own business activities. The Buyer conforms to the General Purchase Agreement and business conditions to the extent specified in the Commercial Code.

These Conditions of Warranty and Warranty Claims are an integral part of every Purchase Agreement made between the Seller and the Buyer. All Warranty Conditions are valid and binding, unless otherwise specified in the Purchase Agreement, in the Amendment to this Contract or in another written agreement.

Warranty Conditions

Warranty Period

The Seller provides the Buyer a 24 months Warranty for Goods Quality, unless otherwise specified in the Certificate of Warranty, Invoice, Bill of Delivery or other documents related to the Goods. The legal warranty period provided to the Consumer is not affected.

By the Warranty for Goods Quality, the Seller guarantees that the delivered Goods shall be, for a certain period of time, suitable for regular or contracted use, and that the Goods shall maintain its regular or contracted features.

The Warranty does not cover defects resulting from (if applicable):

- User's fault, i.e. product damage caused by unqualified repair work, improper assembly, insufficient insertion of seat post into frame, insufficient tightening of pedals and cranks
- Improper maintenance
- Mechanical damages
- Regular use (e.g. wearing out of rubber and plastic parts, moving mechanisms, joints etc.)
- Unavoidable event, natural disaster
- Adjustments made by unqualified person
- Improper maintenance, improper placement, damages caused by low or high temperature, water, inappropriate pressure, shocks, intentional changes in design or construction etc.

Warranty Claim Procedure

The Buyer is obliged to check the Goods delivered by the Seller immediately after taking the responsibility for the Goods and its damages, i.e. immediately after its delivery. The Buyer must check the Goods so that he discovers all the defects that can be discovered by such check.

When making a Warranty Claim the Buyer is obliged, on request of the Seller, to prove the purchase and validity of the claim by the Invoice or Bill of Delivery that includes the product's serial number, or eventually by the documents without the serial number. If the Buyer does not prove the validity of the Warranty Claim by these documents, the Seller has the right to reject the Warranty Claim.

If the Buyer gives notice of a defect that is not covered by the Warranty (e.g. in the case that the Warranty Conditions were not fulfilled or in the case of reporting the defect by mistake etc.), the Seller is eligible to require a compensation for all the costs arising from the repair. The cost shall be calculated according to the valid price list of services and transport costs.

If the Seller finds out (by testing) that the product is not damaged, the Warranty Claim is not accepted. The Seller reserves the right to claim a compensation for costs arising from the false Warranty Claim.

In case the Buyer makes a claim about the Goods that is legally covered by the Warranty provided by the Seller, the Seller shall fix the reported defects by means of repair or by the exchange of the damaged part or product for a new one. Based on the agreement of the Buyer, the Seller has the right to exchange the defected Goods for a fully compatible Goods of the same or better technical characteristics. The Seller is entitled to choose the form of the Warranty Claim Procedures described in this paragraph.

The Seller shall settle the Warranty Claim within 30 days after the delivery of the defective Goods, unless a longer period has been agreed upon. The day when the repaired or exchanged Goods is handed over to the Buyer is considered to be the day of the Warranty Claim settlement. When the Seller is not able to settle the Warranty Claim within the agreed period due to the specific nature of the Goods defect, he and the Buyer shall make an agreement about an alternative solution. In case such agreement is not made, the Seller is obliged to provide the Buyer with a financial compensation in the form of a refund.



SEVEN SPORT s.r.o.

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Date of Sale:

Stamp and Signature of Seller: