



**USER MANUAL – EN**

**IN 12568 Mini Self-Balance Car Windrunner Handy J1**



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## INTRODUCTION

Thank you for your choosing and buying the Mini Self-Balance car.

This is automatic balancing electric balance car.

This product manual is designed to help you assemble, use and maintain this vehicle.

It's very important to understand Mini Self-Balance car driving safety.

You can check the product manual and video to learn safe driving.

This product manual informs the customer all the operating instructions and matters needing attention, If the user is not acting according to the operation manual or in violation of the warning content and cause an accident, the company shall not be held legally responsible.

## DOCUMENT OVERVIEW

### Document overview




- Account security information and warning information, to ensure that every user can enjoy fun to Mini Self-Balance car and safe driving
- Introduces the various components of Mini Self-Balance car
- Discuss the steps to assemble the Mini Self-Balance car
- Driving security considerations
- Provide detailed driving method and skill

### User manual

The best way to ensure a perfect experience with the Mini Self-Balance car is to read this manual carefully. You will learn how to control this new vehicle. Keep it safe after reading in case you may need it later.

### Document related instructions

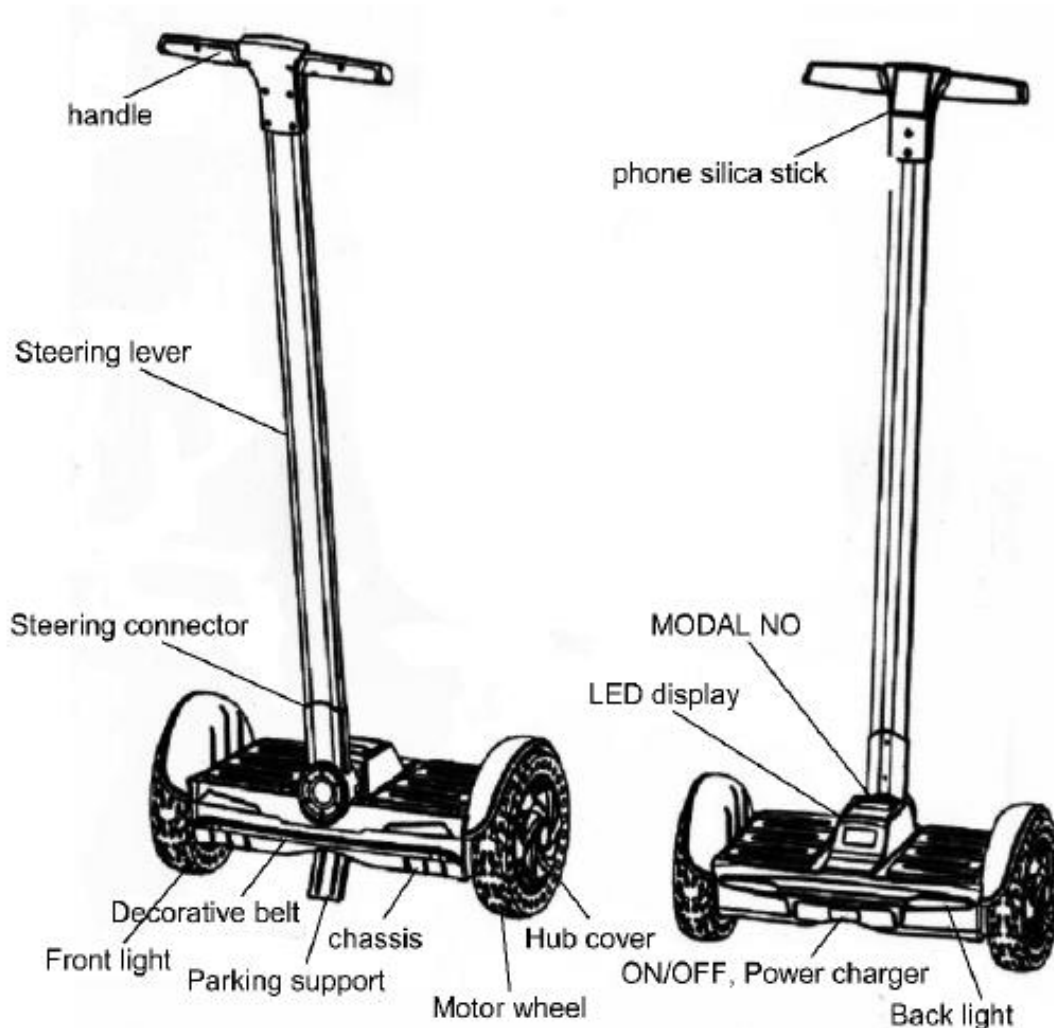
The following instructions apply to the whole product manuals:

 <b>WARNING!</b>	Your wrongdoing will endanger your personal safety
 <b>CAUTION</b>	Your wrongdoing may lead to problems and even damage to car
 <b>NOTE:</b>	The relevant usage and matters Users need to pay attention.

## PRODUCT INTRODUCTION

### The description of Mini Self-Balance car

The operation of Mini Self-Balance car relies of the basic principle of “dynamic stability”, namely the auto-balance ability of the car. When car is in balance mode, you can control the speed and direction to make it to your destination.



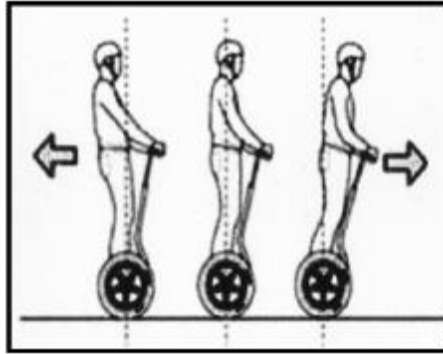
### Record the serial number of Mini Self-Balance car

Coding is unique, so store your code to use later. The code is very important to track the quality of products, insurance claims, and loss of claim.

- Access code
- To obtain location: warranty card, body of car
- Coding is made up 16 Numbers and letters
- Record and save the code

### How to run the Mini Self-Balance car

This car including car body, motor and circuit system, etc. Motor installed in the car body two side, power supply, control circuit, drive systematic and sensor and control switch installed on the car body. Between the wheel and the body rotation, Speed sensor and Angle sensor. Angle and Angle information wheel and the wheel and the body rotation. Speed sensor and angle sensor, Angle information wheel and the car body, transmitted to the control center, control of the motor torque and speed, in order to balance formula one. Brake apparatus and throttle lever are not required for driving. When the driver leans forward, the car advances; when the driver stands upright, the car stops. It is controlled by dynamic equilibrium principle. When the body moves, the center of gravity constantly changes accordingly to achieve balance.



- The steering rod controls the wheels and rotates the car to the left or to the right. 180° and 360° rotations can be realized. At the same time, it supports the body to help keep balance.
- Car's built-in inertia dynamic stabilization system can keep the direction of the level before and after, but does not guarantee stability of the left and right. During steering operation, follow the steering rod, body tilt, overcome to centrifugal force, increase security.

## INSTALLATION

This part is to look at the content of the components and installation guide.

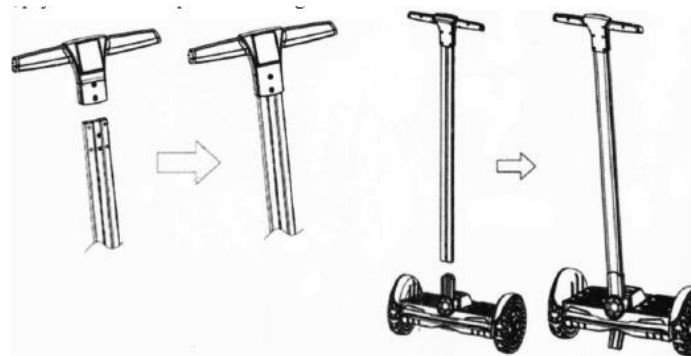
### Check whether the parts are complete

- |                          |                    |
|--------------------------|--------------------|
| 1. Main body             | 6. Remote (1 pc)   |
| 2. Steering lever        | 7. Product manuals |
| 3. Steering lever handle |                    |
| 4. Charger               |                    |
| 5. Toolkit               |                    |

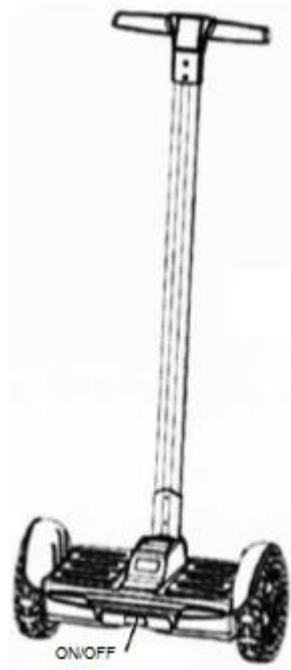
### To assemble the machine

Step 1: Put the shift lever handle in the direction shown by the graphic steering rod assembly, pay attention to the positive and negative direction.

Step 2: According to the direction of graphic inserted the steering stem component body steering rod, pay attention to the positive and negative direction.



Step 3: Open the part at the back of the switch, start the machine.

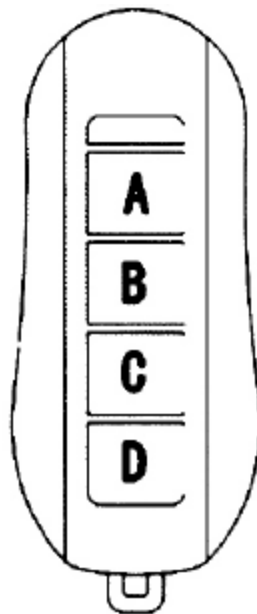


**WARNING:** Before you do maintenance or install parts, ensure that the device is not charging.

## CONTROLLER AND INFORMATION DISPLAY DEVICE

### Remote

The remote is a remote control device, maximum remote control distance is 10 meters, within this range, the car can be remote controlled.



- A: The power. In vehicle mode, press A key to system shutdown and into shutdown mode.
- B: The power button. After power on, press the B key to start the car, can be operated in this car.
- C: The alarm key.

- D: drag line mode. The system boot mode, press the D key, with the hand pull handle can control the vehicle

## Pedal sensor

Under the MATS the device has four sensors, on the state of the flat on floor MATS. This car will automatically adjust its equilibrium.



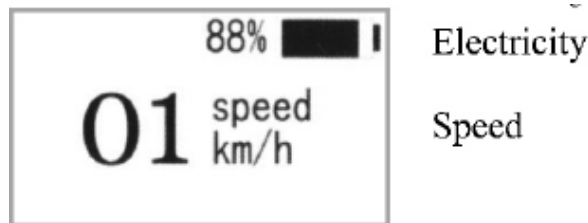
**When you drive this car, you must ensure that the floor mat isn't trampled, please don't trample the floor.**

**Please don't carry items on the floor mat, or car will start, increases the risk of collision, resulting in personal injury or damage to the car itself.**

## Display

Display in this car between two feet, in is used to display car run information.

Display screen can display the power of the vehicle and the vehicle running speed.



## THE INSTRUCTIONS OF BATTERY

Describe the car charging methods, how to maintain the battery, matters needing attention, and the battery specifications.



**For others and your security, prolonging the life of the battery and enhance battery performance, please according to the following the operation of the battery.**

### Battery running low

When you find that power is less than 10%, you must stop driving, electricity shortages, car don't have enough energy to your normal driving, the system will automatically slow down, and automatically shut down and it cannot be started after shutdown. If you continue to drive such car, it is easy to fall down injured, also can affect the battery life.



- Do not use the battery on the following situations, 1. Emit some smell or serious fever 2. Leak out of the material
- Only professional's disassembly and maintenance of batteries
- Don't touch any material leaked battery.
- Children and animals are far away from the battery. Be sure to pull out the charger before install batteries or driving, under the condition of charging it is dangerous to do anything.
- You can only use the charger provided by the company.



- To use the battery in local laws permit.

## Charging steps

- Open the car charging port.
- To ensure the charging port is dry.
- Charging link of a head of inserted to the car to first, then put the charger on the power supply (100V to 240 V, 60 Hz)
- When the two lights on the charger are red, the normal charging, otherwise please check whether the circuit connection is good.
- When the battery charger, one of the red lights turn green, suggests that electricity has been full of, please stop charging at this time. Charging for a long time will affect the service life of batteries.
- Charging must be turned off, please do not boot when charging, otherwise it will damage the battery.
- please use the standard plug used in the local



### NOTE:

**Please in accordance with the provisions, recharged, storage battery otherwise it will damage the battery, he battery life. Charging time is about 1.5 hours, charging time is too long will shorten battery life.**



### WARNING!

**Keep clean, dry charging environment. The charging port can't charge when it's wet.**

## Temperature too high or too low

- If you want to car reached the highest efficiency, the temperature of the battery must be marked in the temperature range of batteries specification. If in driving battery temperature too high or too low, the system will be safety warnings.
- Before charging and charge process temperature must be within the recommended value. Close to the recommended temperature, the charging efficiency is the highest, if extreme cold or heat the charging time will be lengthened or machine can't fully charged.

## The battery specification

Battery	Lithium battery
Charging time	1.5 hours
Voltage	36V
The battery weight	1.5kg
Battery capacity	5.8Ah
Working temperature	-1°C~50°C
Charging temperature	-15°C~50°C
Service life	Recharged 1500 times
Storage of relative humidity	5%~95%

## Matters needing attention when shipping the battery



Lithium battery is considered to be dangerous goods, need to get the local law allows during transportation.



If you need to car for air freight, or need other ways to transport lithium battery, please contact our company or company designated agents.

## Safe to use car

- Driving operations in balance car driving differs a lot from that of traditional car since it is not equipped with a traditional brake, accelerator and gear system. Careful reading of the following guidance or training by professionals is required for the first-time driving of balance car.
- The best way to ensure a perfect experience with the two-wheel balance car is to read this manual carefully. You will learn how to control this new vehicle. Keep is safe after reading in case you may need it any time. Every time before driving, please to check whether there is damage to the car tires, if there's any loose for parts, if you have any abnormal situation, please contact the agent for repair.



The Guarantee Card attached to the car shall, in this manual, describe the guarantee clauses on your new two-wheel balance car term by term. Please read this User's Manual carefully to understand your rights and obligations.

**Correct installation of the parts before using car, to prevent damage to the car in use process. Does not use car made any endanger one's personal or property safety.**

**Please don't use modified formula one parts, this will affect the performance of car even damage of car, can produce serious harm to personal**

## Weight limit of users

- Limit the weight of the drivers have following two reasons
- Ensure the safety of the driver.
- Hypercharge has damaged in the car
- The maximum weight limit: 120 Kg
- The minimum weight limit: 25 Kg



**Over weight can lead to fall.**

## Maximum range

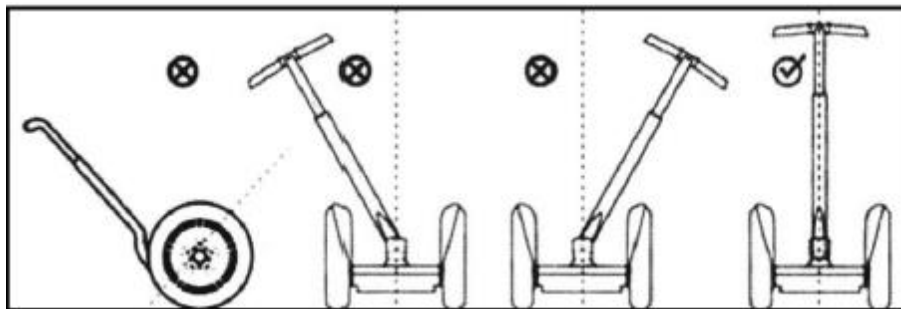
Maximum range related to many factors, such as fowling

- The road: drive in smooth and flat surface can increase the range and instead will reduce the distance
- Speed and driving habits: keep medium speed increases range, frequent stops, acceleration, deceleration, will reduce to distance.
- The weight of the drives affects the distance.

- At the right temperature storage, car will increase driving distance; otherwise it will reduce the distance.
- Reasonable charging habits and maintains battery can increase to range, otherwise it will reduce the distance.

## Speed limit

- Lasting alarm will be heard the higher rate limit has been reached. Stop acceleration or speed down instead force acceleration.
- Under prescribed can be a very good balance, when the speed is greater than the specified handle will tilt to the driver, the speed limit in a safe speed.
- Please keep a certain distance between body and the handle.



### NOTE:

**Please don't cross lane or turn on the slope, it leads to offset machine balance Angle, not safe driving.**

## Warning

- (1) When the power switch is turned on, repeated regular „beep” or „beep-beep” indicates an over-wide top rake of the car. The balance car will stop working. Switch of the power and do not turn it on before foot plats are parallel to the ground.
- (2) When the power is switched on, repeated regular five „beeps” indicate locked balance car or footplates.
- (3) The balance car has a 1 second balance delay after the drives gets off it stops working after nine „beeps”.
- (4) Lasting alarm will be heard when the higher rate limit has been reached. Stop acceleration or speed down instead of force acceleration.

### WARNING!

**The valance car has a 3 second balance delay after the drives gets off.**

## LEARNING TO DRIVE

User's Manual includes important information. Please read it carefully. Read the guidance for driving in this User's Manual carefully.

## Open the car

Start step – please press the power switch button when switched on. And then through the wireless remote control switch on.

## Secure parking

There is an error in the process of moving operation or battery power consumption to a minimum, car will sound an alarm, the car slowed to stop automatically.



**When the battery has run out or machine has an alarm, not to continue driving, the car won't be able to reach equilibrium, in this case the driver is likely to be injured. If the battery reach a minimum, continue to drive the car, will shortens battery life.**

## Driving steps

- **Step 1:** start the car  
Press the power switch, and then use the remote boot
- **Step 2:** prepare to drive  
Fiat machine, with one foot step on MATS, Car will quickly automatic balance, Car has started, on the other foot.
- **Step 3:** control  
Keep the balance of center of gravity, can keep the car stationary state. Through the body small forward or back to control the forward and backward of the car, movement range can't be too exaggerated.
- **Step 4:** control about the direction  
You can turn it to any direction by switching the steering lever to the left or right and rotating your body accordingly.
- **Step 5:** stop driving  
Stop driving before, the body in balance state, one foot down, the other foot quickly leave the floor MATS. Let stand to the machine, automatic power in half an hour.



**Do not violent shaking hand, otherwise it will increase the risk of accidents. Please try to keep the balance of the car when you get down.**

## Driving practice

Before outdoor drive, for your safety, please ensure that you have good at driving

- Driving in the security place at first time.
- Reparative to drive.
- With practice you can drive on narrow, winding road.
- If you are not driving skilled, please avoid pedestrians and cars.
- Observe whether the road is flat.
- Drive in different terrain conditions, can't let car off the ground.
- Laming in the driving is realized by switching of steering lever and cooperation of the body.  
When you want to turn left, switch the steering lever to the left and learn your body to the left at the same time. Timing in the driving is realized by switching of steering lever and cooperation of the body. When you want to turn left, switch the steering lever to the left and learn your body to the left at the same time, slow down while in the complicated surface road.

## DRIVING SAFETY INSTRUCTION

This section provides some safety knowledge and warning statement, The Guarantee Card attached to the car shall, in this manual, describe the guarantee clauses on your new two-wheel balance car term by term. Please read this User Manual carefully to understand your rights and obligations.



**It will be unrealistic and impossible to list all the risks related to the maintenance and driving of this two-wheel balance car. Therefore, your timely and correct judge is required to secure your own and other people's safety.**

- Helmet and protecting bush are required for driving this car.
- Car is suitable for the single drive, two or more persons driving is prohibited.
- Do not drive on the motor vehicle lanes
- Correct installation of the parts before using, prevent loss of control, collision, fell wounded body
- Do not let children, the elderly, pregnant women to drive
- Do not drive after drinking or using drugs.
- Do not carry items to drive.
- Comply with local traffic regulations.
- Please note that your front and distant things, keep good vision will help your driving.
- Holding the handles, legs to relax, kneed slightly bent, it will make your balance when the ground is not flat.
- Hold the handle; make sure the feet step on the mat.
- When driving body and a handle to a certain, if put too close machine may collide, fell down and got out of control
- Please wear suitable for sports clothing, it helps you deal with an emergency.
- Car driving can only be a person, can not with two or more people.
- Users and the weight of all items carried should not exceed the maximum load of the car, otherwise will be in use process are more likely to fall or injury, even can cause damage to the function of the car. Drivers the driver specified weight should not be less than the minimum weight, otherwise it will cause the rider to be out of control of the car, especially in the
- The speed should not be too fast, ensure the safety they themselves and others. Always be ready to stop
- Obey the traffic rules, comity pedestrian.
- After the traffic accident, please stay put wait for relevant department to handle events.
- When you drive with other users, please keep a certain distance between each other in order to avoid a collision.
- Always remember your driver, your height increased by about 15 centimeters, pay attention to safety head when through the gate.
- Pay attention to balance, to prevent the gravity offset or too fast.
- Don't get distracted while driving a formula one, can not answer the phone, listen to music, or engage in any other activities.
- Driving fast decay is not allowed.
- When the batteries are automatic stop, please don't start the car. If you start again, Car don't have enough power to maintain balance.
- Don't let go of the hands, because this car automatically advance small distance, it may hurt others or damage to the car drive.
- Car did not become health care equipment. The user must be used in the absence of external force.
- Don't drive car in dark places.

- Avoid driving on the ground that there are obstacles and smooth such as snowfield or ice.
- Avoid driving on a pavement with large objects, such as the big stone.
- Avoid driving in narrow place.
- Please use the accord with car to use condition of environment.
- Please do not start or stop suddenly.
- Avoid driving on a steep slope.
- Prohibit using car in unsafe environment, such as might cause fire and explosion danger.

## MAINTENANCE

Car need daily maintenance. The maintenance steps of car and important operating hints.



**Before you make the following operation, ensure the power supply and charging line is disconnected. If power on or when the battery is charging, are not allowed to operate.**

### Handling

Raised and down car with reasonable skill. Handling of car, please follow the steps below:

- Ensure that car not connected the charger and has just been turned off.
- With one hand holding the steering rod, picked up this car, with another hand assisted; Don't put the plastic shell as a stress point.
- Carry the machine to the location you want to.

### The maintenance of the wheels

- Regularly check tire components, shaking tires, observe weather tire components is then shaking; If shaking, please contact after sales.
- Regular check about whether the tire wears serious, and whether cars uniform.
- If the tires wear, please contact after sales.

### Cleaning

Note: before cleaning

- Ensure the power supply and charging line disconnected
- Cleared with damp soft cloth



**Never do the cleaning with corrosive chemicals like gasoline or wash the balance car with water. It will cause permanent damage to the internal electronic device.**

### Storage

Stored in a dry and temperature suitable space If do not use for a long time, please do not connect the power supply.



User can not open car on the cover plate and the internal control circuit board and motor, there is no maintenance spare parts. User cannot open, otherwise said you give up maintenance warranty rights.

## PARAMETERS

	FI	NOTE
Net weight	13,5 kg	
Minimum load	25 kg	
Maximum load	120 kg	
Maximum speed	15 km/h	
Maximum range	20 km	
Radius of turning circle	0 m	
Battery	Rechargeable lithium battery	
Charging requirements	100-240C 50 or 60 Hz	Global
Battery weight	1,5 kg	
Length, width	52 cm X 24,5 cm	
Handle height	115 cm	From floor mat
Handle height	140 cm	From the ground
Ride height	14,4 cm	No load
Tire type	Solid tire	
Battery capacity	36V 5,8 Ah	

## FAULT HANDLING

Car self-inspection check project include: sensors, the system static current, the system dynamic current, motor rotation, etc. Then the car self-checking broke down and you cannot solve, please send the company service network for repair.



**About service outlets and related information, please visit our website: (See product certificate) or call the service hotline.**

**WE WISH YOU MANY HAPPY RIDES!**

## 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, 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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Web: www.insportline.sk  
Date of Sale: Stamp and Signature of Seller: