

# USER MANUAL



**SPEEDBIKE  
IBEX**

## Manufacturer



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Technical documentation



Technical changes, errors and misprints excepted.  
The publication of these user manual renders all previous user manuals invalid.  
You can find our general terms and conditions at  
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## 1 BASIC SAFETY INSTRUCTIONS

### 1.1 Symbols used

In the user manual, hazards and important instructions are marked with special symbols and signal words as follows:



DANGER

The safety warning DANGER

- indicates an imminent threat,
- pertains to operational and maintenance procedures,
- warns of death or severe injuries.



WARNING

The safety warning WARNING

- indicates a hazardous situation,
- pertains to operational and maintenance procedures,
- warns of health risks up to life-threatening injuries.



CAUTION

The safety warning CAUTION

- indicates a potentially dangerous situation,
- pertains to operational and maintenance procedures,
- protects against minor or slight injuries,
- warns of damage to the speedbike and other property and consequential damages.

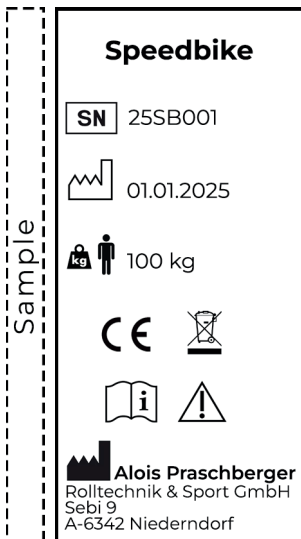


This symbol

- indicates user instructions and
  - particularly useful information for the operator.
- These instructions help you to optimally utilize all functions of the product.

### 1.2 Product labeling

The nameplate is located on the middle frame, inside the head tube.



Serial number



Manufacturing date



Max. user weight



CE marking



Refer to the user manual



Caution, observe safety instructions



Do not dispose of in household waste



Manufacturer

### 1.3 Handling of documentation

The provided documentation is intended to enable you to

- operate the speedbike safely,
- utilize it in all permissible applications, and
- perform routine maintenance.



Before using the speedbike for the first time, carefully read and follow this user manual. Failure to adhere to the instructions in the manual may result in damage to the product or serious personal injury. No liability will be accepted for damages resulting from non-compliance with the user manual.

### 1.4 Storage of documentation

Store this user manual carefully.

The user manual must be kept until the disposal of the speedbike. Please hand it over to any potential new owners.

If the user manual is lost, destroyed, or in poor condition, request a copy from the manufacturer.

### 1.5 Intended use

The Prashberger speedbike is intended solely for the practice of biking sports by physically disabled individuals. The speedbike may only be used on designated bike paths. It must not be used as a professional sports device.

The intended use of the speedbike is a fundamental prerequisite for safe operation. In principle, the speedbike may only be used for applications that are listed and described in this user manual.

For the proper use of the speedbike in operation, maintenance, and repair, specific safety precautions and protective measures are outlined in the respective chapters of the user manual.

The use of the speedbike is considered proper:

- when complying with applicable national safety regulations,
- when observing all safety instructions in this manual,
- when all necessary safety devices are present and functional,
- when the specified operating conditions are met.

Proper use also includes the timely and complete performance of all necessary maintenance and inspection work by qualified and authorized personnel.

Special operations not listed

- must be discussed with the manufacturer in advance and
- may only be carried out with the manufacturer's written consent.

Any other or additional use of the speedbike without the manufacturer's written consent is considered improper.

The operator is solely liable for any resulting damages.

## 1.6 Use

The speedbike enables physically impaired individuals to engage in cycling or facilitates progress in difficult terrain. Routes can be completed faster and more easily, significantly expanding the user's personal range of action. The pedaling motion while riding also provides good training for the shoulder area, chest muscles, and the entire cardiovascular system. Exercising with family and friends can also positively impact the user's mental well-being in terms of inclusion. The additional combination with electric assist motors allows for riding on routes, inclines, and unpaved paths that would not be manageable without such support.

## 1.7 Liability

In the event of personal injury or property damage, the manufacturer is liable for the construction standard and safety of the speedbike only if design defects can be proven.

No liability is assumed for:

- improper use, operation, and maintenance,
- use of non-original spare parts, and
- unauthorized or non-compliant modifications.

## 1.8 Warranty and guarantee

Complaints regarding incomplete or incorrect delivery or visible defects must be submitted in writing immediately, no later than 8 days after receipt of the goods. Our obligation in the case of justified complaints is limited to replacement delivery or repair by us. For warranty repairs that have been previously agreed upon with us, the defective parts must be returned to us. The warranty obligation is voided by modifications or repair work carried out by the customer or a third party without our prior consent. The warranty period for the speedbike is 2 years. Defects due to wear and tear or improper handling are not covered by the warranty. Wear parts include, for example, brake pads, bowden cables, etc. Serious damage or incidents caused by the product must be reported immediately to the specialist dealer or manufacturer.

## 1.9 Requirements for the user

All persons involved in the commissioning, operation, maintenance, and repair of the speedbike must be familiar with the operating manual, especially the chapter "Basic Safety Instructions."

The persons must:

- be qualified for the operation of the speedbike through appropriate training and instruction based on the operating manual,
- have read and understood this operating manual.

Cognitively impaired persons, as well as persons under the influence of alcohol, drugs, or medication, are not permitted to operate the speedbike. We assume no liability for damages resulting from non-compliance with the operating manual.

## 2 GENERAL SAFETY INSTRUCTION

### 2.1 Careful handling of the speedbike

Handle the speedbike with care. Check that moving parts function properly and do not stick. Check for broken or damaged parts that could affect the operation of the speedbike. Have damaged parts repaired before using the speedbike. Use accessories, etc., according to these instructions and the instructions for this specific type of equipment. Consider the working conditions and the task to be performed.

### 2.2 Residual risks

- The maximum user weight is 100 kg.
- The approved maximum speed is 25 km/h. National regulations in the respective countries must be observed!
- The speed should be adjusted to the respective situation and physical limitations to be able to brake or evade safely in case of potential danger.  
Always be ready to brake.
- Riding with children or animals on the user's lap is expressly prohibited.
- When taking fast turns, the risk of tipping over is increased because the handling of the speedbike differs significantly from that of a regular wheelchair. Leaning into the curves towards the inside of the turn minimizes the risk of tipping over.
- When riding uphill, the front wheel can lose traction and spin if the incline is too steep.
- Sudden steering movements should be avoided.
- Certain safety devices (bell, reflectors, etc.) may be required for riding on public roads.  
The laws and regulations of the respective countries must be observed.
- To prevent the risk of falling, the following maneuvers should be avoided:
  - ♦ riding over steps or large drops,
  - ♦ riding diagonally over curbs,
  - ♦ riding diagonally on uneven terrain,
  - ♦ turning on steep roads,
  - ♦ sudden steering movements,
  - ♦ abrupt braking in curves or on wet roads.
- A speedbike does not have a reverse gear.

The speedbike should only be used on paved roads.

## 2.3 Commissioning

The briefing is carried out by the distributor. If you have any questions later, you can refer to the user manual or contact the distributor or manufacturer. The first ride should be at a slow speed to get used to the handling of the speedbike. Always consider external conditions (weather, road conditions, etc.) when choosing your riding style and speed.

## 2.4 Operation

When operating in public road traffic, a lighting system is legally required. For your own safety, wearing a helmet is recommended. Familiarize yourself with the national road traffic regulations in your country.

## 2.5 Service

Have the speedbike repaired only by qualified professionals and only with original spare parts. This ensures that the safety of the speedbike and the warranty are maintained.

# 3 MAINTENANCE AND REPAIR

## 3.1 General information



**DANGER**

All maintenance and repair work must only be carried out by trained, qualified, and authorized personnel!

## 3.2 Maintenance

Before the ride:

- Check the frame for damage
- Check the cables for damage
- Check the lighting system and bell for functionality
- Check the brake function
- Check the tire pressure
- Check the shock absorbers for damage
- Ensure the speedbike is in perfect condition

As needed:

- Clean the speedbike with a cloth using suitable cleaning agents  
(Do not use a high-pressure cleaner!)

After commissioning:

- Gear and brake cables must be adjusted by an authorized dealer after approximately 50 km. This ensures long-term and smooth operation. All maintenance and repair work must only be carried out by trained, qualified, and authorized personnel!



**Wear and repair:**

- If there are any damages or signs of wear, the speedbike must no longer be used. Wear parts need to be replaced from time to time (brake pads, chain, sprockets, etc.). To ensure safety, this must be carried out exclusively by trained professionals.

Use only original spare parts.



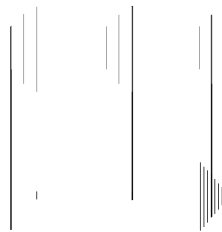
To maintain the warranty, annual maintenance must be carried out by trained professionals.

**3.3 Correct gear shifting**

Correct gear shifting is important and increases the lifespan of your chain and gears.



WRONG



CORRECT

**4 ADDITIONAL NOTES****4.1 Reemployment**

If the speedbike has been provided to you by your health insurance or insurer and you no longer need it, report this to your health insurance, insurer, or medical supply dealer. The speedbike can then be reemployed. Basic maintenance and disinfection are prerequisites for reemployment. This must be carried out by the dealer.

**4.2 Disposal and recycling**

The speedbike, accessories, and packaging should be environmentally recycled. Dispose of all components of the speedbike according to regional regulations at appropriate collection points.

**4.3 Materials used**

This section describes the materials used to manufacture the product.

Steel: Frame parts, screws

Stainless steel: Spokes, various small parts

Aluminum: Hand cranks, gear parts, rim, chain guard

Plastic: Handlebar tape, covers, housing

Motor: Charger, housing, control unit

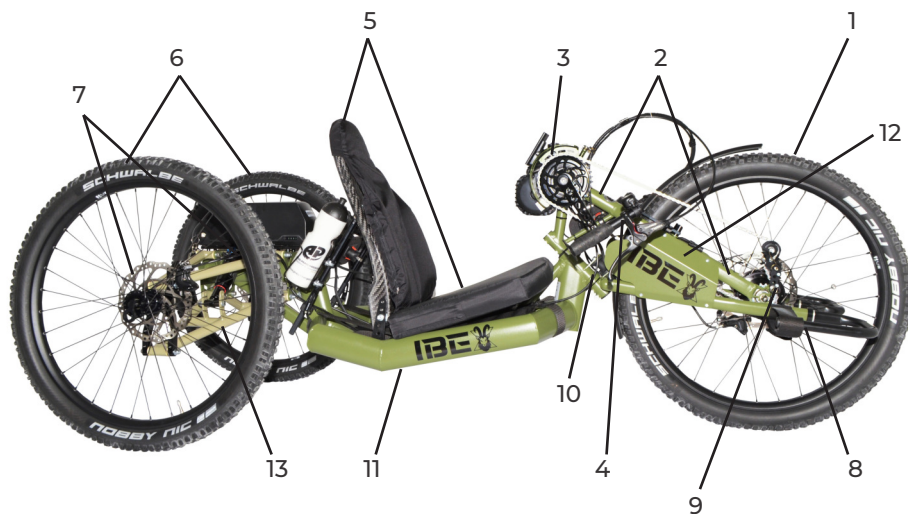
Rubber: Tires, tube, steering stabilizer

Packaging: Cardboard, paper, foil

Battery: Li-Ion battery must be disposed of at appropriate collection points (hazardous material)!

## 5 DESCRIPTION

### 5.1 Structure



Legend:

- 1 Front wheel
- 2 Front frame
- 3 Cockpit chain guard
- 4 Adjustable crank
- 5 Adjustable seat and backrest, seat cushion
- 6 Rear wheels
- 7 Rear disc brakes
- 8 Adjustable footrests and calf strap
- 9 Front disc brake
- 10 Steering damper soft or hard
- 11 Main frame
- 12 Chain guard knee area
- 13 Independent suspension

### 5.2 Scope of delivery

The scope of delivery includes:

- Speedbike complete
- User manual

#### 5.2.1 Electric-support motor user manual



## 6 OPERATION

### 6.1 Basic equipment



- available in different rim sizes
- hydraulic disc brake
- Shimano chain gear
- adjustable footrests with calf strap



- hydraulic disc brakes at the rear



- adjustable crank width
- aluminum cockpit chain guard



- gear and brake levers on the ergonomic grips



- carbon backrest infinitely adjustable in angle and depth



- rubber steering stabilizer (option soft or hard)

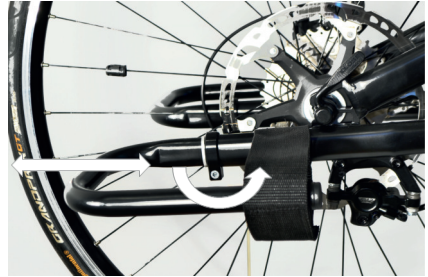
## 6.2 Bike setup



Adjusting the footrests, crank width, seat length, and controls is an essential step for optimal customization to the individual user.

### 6.2.1 Adjusting the footrest length

Loosen the screws of the footrest clamps. Now position the footrests in the desired position. Ensure that the footrest is inserted at least 5 cm into the front frame tube. Then tighten the clamp screws again.



### 6.2.2 Adjusting the crank width

Loosen the set screws on the crank arms slightly and unscrew the end caps on the crankshaft. Carefully pull the spacers and crank arms off the crankshaft. Now you can adjust your desired crank width using the spacers. Make sure that the distance of both cranks to the frame is the same. Now mount the end caps. Finally, tighten the set screws again (max. 8Nm). (This option does not apply to mid-drive motors)



### 6.2.3 Adjusting the seat length

Loosen the clamping screws of the backrest on both sides and the velcro straps of the seat cover. Now you can slide the backrest into the desired position. Tighten the clamping screws again and, if necessary, readjust the seat cover and the back angle.



### 6.2.4 Adjusting the controls on the ergo grip

Loosen the clamps on the brake and shift lever. Bring the controls into the desired position and reattach the clamps.



### 6.2.5 Adjusting the backrest

You can adjust your backrest continuously. To change the angle, loosen the quick-release lever on the backrest clamp.



When mounting an additional battery on the backrest, the seat length and angle adjustment is only partially possible.



Now bring the backrest into the desired position. Once you have found your preferred setting, close the quick-release lever again. Make sure to tighten the lever firmly.



### 6.2.6 Independent suspension with air damper

Damper mounting bracket with 3 positions

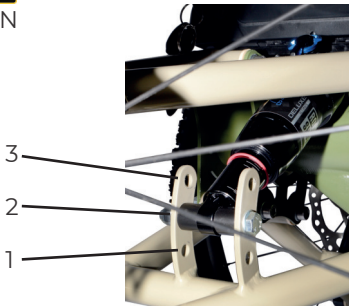
Track width 86cm > 1 Low: lower ground clearance (approx. 15cm)

Track width 83cm > 2 Mid: Standard setting, ground clearance (approx. 18cm)



CAUTION

Track width 78cm > 3 High: high ground clearance, risk of tipping



CAUTION

To achieve an optimal riding experience, the dampers must be adjusted to the user's weight.



WARNING

Incorrectly adjusted dampers can have a very negative impact on driving behavior, increasing the risk of falling.

### 6.2.7 Rear wheels with disc brakes and thru-axles

To remove the rear wheels, pull the thru-axle out of the axle and hub. After that, the wheels along with the brake disc can be removed.



### 6.2.8 Rear frame with independent suspension and carbon backrest



7 SERVICE

1. Service:

Date:  
Notice: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dealer stamp

Signature: \_\_\_\_\_

---

2. Service:

Date:  
Notice: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dealer stamp

Signature: \_\_\_\_\_

---

3. Service:

Date:  
Notice: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dealer stamp

Signature: \_\_\_\_\_

---

4. Service:

Date:  
Notice: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dealer stamp

Signature: \_\_\_\_\_



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