

MONOWHEEL

MANUAL

- E400 -



Before using the MONOWHEEL, READ THROUGH THESE INSTRUCTIONS COMPLETELY!

ENGLISH VERSION – MONOWHEEL MANUAL / © 2016

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INTRODUCTION

Welcome to the MONOWHEEL drivers' club!

We are sure that you will have lots of fun with your new MONOWHEEL!

These instructions provide an overview of the function, care, maintenance and operation of your new vehicle. Please read them carefully to ensure that your MONOWHEEL has a long service life and you can drive safely.

Please observe the charging intervals to avoid damage to the vehicle and to significantly extend its service life.

All information is based on the state of the art at the time of printing. Modifications and supplements are possible since then and are therefore not mentioned here.

The latest version is available on our Web site at www.monowheel.info

A list of authorised repair shops and dealers near you can be found on our Web site at www.monowheel.info



MONOWHEEL STORE

Service-Hotline
+49 (0)5258-6053862

info@monowheel.info
www.monowheel.info

Please do not hesitate to contact us if you have any queries or problems.

GENERAL INSTRUCTIONS

- Check local laws and regulations to see where and how you may use your MONOWHEEL legally. Follow all applicable laws for vehicles and pedestrians.
- The MONOWHEEL is designed for operation by and transport of one person.
- All interventions to increase performance or speed which generally alter the features of the MONOWHEEL are a criminal offence and will be prosecuted by law. They will cause the warranty to become null and void.
- Non-designated use of the vehicle will cause the warranty to become null and void. Minimum punishment will include confiscation of the MONOWHEEL.
- The rules of the road must be observed at all times.
- Due to quality assurance measures, the MONOWHEEL has to go through several test drives and charging cycles.

THE MONOWHEEL SHOULD ALWAYS BE INSPECTED FOR ROAD WORTHINESS BEFORE USE.

Inspection includes:

- Safe overall condition of functions
- Battery power level
- Das “Tuning” engines or controllers is against the law. It endangers your own safety while reducing the operational safety and service life of your vehicle.

The warranty also becomes null and void with immediate effect.

More information on the warranty is provided as of page 23.



Drive particularly carefully during bad weather (rain, snow, ice).

NOTE

If your vehicle fails to reach the full speed or range during operation although the battery has been fully charged, this could be attributable to unusual use of your MONOWHEEL or a defect as regards the battery.

Extreme temperatures, steep inclines, high loads, older batteries and longer storage periods without charging have a major influence on battery performance.

Please note that the warranty period for the battery is limited to 6 months. More information on the warranty is available in these instructions in the “Warranty” area of page 23.

BEFORE FIRST-TIME OPERATION

If you have any queries as regards mandatory helmets or vehicle papers, please always refer to the regulations authorising the use of vehicles for road traffic for the area that you plan to use MONOWHEEL in. Please also follow all other statutory specifications valid for this vehicle class. Please note, that this vehicle is not authorised for road traffic. More information is available on our Web site at www.monowheel.info

For your own safety, you should always wear a helmet and suitable clothing. Wear bright and conspicuous colours to ensure that other road users can see you better and faster.

The vehicle is delivered ready for operation by the manufacturer. As transport and any longer periods of non-usage can incur defects capable of impairing the functions of the vehicle, we would ask you to please note the following before first-time operation:

- Always check before every ride if the MONOWHEEL is turned on.
- Always check the battery charge status before driving.

The battery is only partially charged on delivery.



Please use the designated charger to fully charge the battery before driving for the first time.

- Batteries discharge daily even when not in use. In winter, batteries can lose capacity essentially faster on account of low temperatures. Regular charging protects your battery. Longer storage periods without charging incur irreparable damage (deep discharge) to the battery.

RECHARGEABLE BATTERY

Information on the battery and charger

- Only use the battery and/or original spare parts supplied and integrated.
- Only charge the battery using the original-manufacturer charger enclosed.
- The MONOWHEEL must be turned off when charging the battery.
- When charging the battery, please ensure the following:
 - correct connection of the charger using the designated charger plug connection and screwed connection,
 - sufficient ventilation and
 - a dry environment
- Do not carry out any independent repairs on the battery or charger.
- Never allow the charger, mains or connection cable to come into contact with water as this poses the danger of an electric shock.

Never touch with wet hands.

- Carry out regular visual inspections of the connection plug and charger. Have them replaced if damaged in order to avoid injury and material damage.
- Mains and connection cables must not be damaged or crushed by sharp edges or heat.
- Do not operate the charger if the charger, mains cable or connection cable display visible damage.

Information on the battery and charger

- The MONOWHEEL and charger must be switched off when the mains plug is inserted into the power outlet.
- Pull the mains plug if a fault arises during operation, after use and/or before cleaning.

IMPORTANT

Always pull the plug, not the cable.

Please do not drive until the MONOWHEEL battery is fully discharged and the MONOWHEEL no longer works. If you do drive until the battery is fully discharged, this will not cause any damage.

Never store the MONOWHEEL for longer periods when the battery is completely discharged. Longer storage periods without charging incur irreparable damage (deep discharge) to the battery. Therefore, recharge the battery directly once it has become fully discharged.



IMPORTANT

Never store the MONOWHEEL for longer periods when the battery is completely discharged. Storing the battery while fully discharged will cause permanent damage.

Information on disposal/battery directive

You are already making a major contribution to environmental protection by driving an MONOWHEEL. Do not cause unnecessary pollution and observe the following information on disposing of the battery:

Dispose of the MONOWHEEL and all associated components (such as batteries) through authorised disposal facilities or your communal disposal point.

Please observe the currently applicable guidelines. If in doubt, find out about environmentally-friendly disposal from your disposal facility.

BATTERIES AND ELECTRIC EQUIPMENT MUST NOT BE DISPOSED OF AS HOUSEHOLD WASTE.

COMPONENTS

Your MONOWHEEL comes packaged in a high quality corrugated cardboard box for its protection.

Please keep this box in case you need to send the MONOWHEEL back for service or repairs.

If you use another box, Inventist will not be responsible for any damage caused during shipping. Also, you will be charged for a new box to ship the MONOWHEEL back to you.

INSIDE YOU WILL FIND:

- YOUR MONOWHEEL
- BATTERY CHARGER AND POWER CORD
- LEARNING BAND
- TRAINING WHEELS
- MANUAL



1. Carrying handle
2. On / Off Switch
Battery status
3. Charging socket
4. Leg pads
5. Casing
6. Tire
7. Foot platform



FIRST STEPS AND GETTING STARTED

Please check first of all the listed steps, before you start your first journey.

1. CHARGE

- Open the charging socket.
- Connect the charge cable with the socket on the MONOWHEEL and tighten the screw on the socket to prevent the plug from falling out accidentally.
- Connect the charger to the power outlet.



Charger LED display

The charger is charging when the LED on the charger is red. As soon as the LED turns green, the charging process is complete.

You can remove the mains plug and then take the charger plug out of the MONOWHEEL.

The charge status and charge cycles are indicated on the battery status display on the MONOWHEEL.

The battery of the MONOWHEEL is depending on the model within 1 to 2.5 hours fully charged.

Battery level indicator on the MONOWHEEL

Four LED

Battery level 100% - 76%

Three LED

Battery level 75% - 51%

Two LED

Battery level 50% - 26%

One LED

Battery level 25% - 1%



If only one LED lamp lights on the MONOWHEEL, avoid rapid acceleration and close the MONOWHEEL soon as possible to the charger, thus to avoid falling off by the device and draining completely.

CAUTION

Only use the charger supplied to recharge the battery.

2. PREPARATION

- Find a private area without road traffic and offering sufficient space for you to get used to the MONOWHEEL.
- Always wear an appropriate safety helmet and other protective gear.
- Wear comfortable clothes and shoes. Never ride the MONOWHEEL barefoot or in open-toed shoes or high-heels.
- Make sure the tire is properly inflated and the battery is charged.

3. RIDING FORM

- Keep your posture upright, but relaxed with your body aligned over the MONOWHEEL and your feet centered on the platforms
- Be alert. Scan both far ahead and in front of you—your eyes are your best tool for safely avoiding obstacles and slippery surfaces.
- Your lower legs should rest comfortably, yet firmly against the leg pads.
- Hold your arms comfortably at your side.
- Start at a slow and comfortable pace. Never aggressively accelerate or lunge forward

4. FUNCTION

The MONOWHEEL balances front to back, but not side-to-side. You are responsible for maintaining side-to-side balance by twisting your feet right and left and leaning into turns. It's just like steering a bicycle. If you fail to actively maintain this side-to-side balance, the MONOWHEEL can tip sideways and fall. See the 8 Steps to GETTING STARTED your MONOWHEEL page for important riding technique information.

OUR TIP: Practice a safe position before the first ride on the MONOWHEEL. Sticking to an assistant or a fence, without drive off it. Tilt the MONOWHEEL slightly in all directions in order to get a feel.

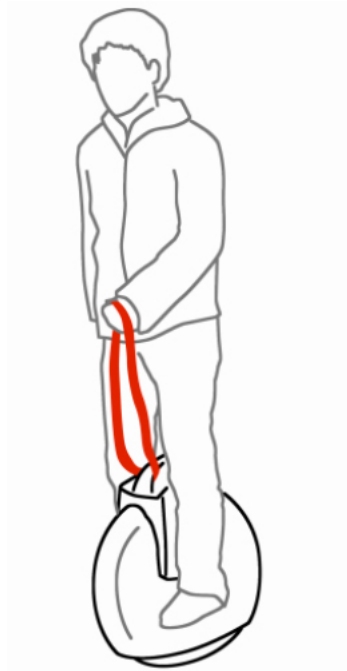
5. INSTRUCTIONS

When first learning to use the MONOWHEEL, you need to use the included learning band so that your MONOWHEEL will not become damaged.

Do not hold, however, to the tape firmly, since it is so difficult is for you to keep the balance.

Attach the band around the MONOWHEEL handle. While standing with one foot on the platform, adjust the length of the band so that you can hold it comfortably at about waist height.

When you feel yourself losing your balance and you have to step off, use the band to keep the MONOWHEEL from falling over, or rolling away.



6. GETTING STARTED

If you have completed all preparations and have trained the balance, you can now learn driving, which you probably imagine more difficult than it really is!

1. Grab the handle of the MONOWHEEL and set it on the ground vertically and turn the power on. The LED's on top of the unit will light up. The MONOWHEEL can face either direction.
2. Unfold the foot platforms and press them into the down position.
3. Put one foot on one platform and stand up straight. Shifting your weight forward, lightly push off the ground with the other foot and immediately place it on the other platform so that you straddle the MONOWHEEL, squeezing the pads between your lower legs.

For the first start attempt, we recommend the upgrade to the MONOWHEEL, cling to a fence or a helper.

4. Shift your body weight *gradually* forward to pick up speed. Do not lunge forward.
5. Shift your body weight backward to slow down or stop.
6. To turn, lean the wheel in the direction you want to go.
7. When you are ready to get off, slow down, stop and step off with one foot.
8. Keep your other foot on the other platform and turn the MONOWHEEL off.

REMEMBER

During your first few rides, use the learning band to keep the MONOWHEEL from becoming damaged.

Do not lift the MONOWHEEL off the ground when it is turned on.

LEARNING TIPS

- Remember to keep your body relaxed through your back and legs. Stand naturally.
 - Avoid riding across steep slopes.
 - Lean uphill when riding across gentle slopes.
 - Avoid turning on slopes or ramps.
 - Stay centered on narrow sidewalks or elevated paths.
- Practice controlled stopping.

TERRAIN

The MONOWHEEL is highly maneuverable and allows you to easily navigate over rough pavement and around obstacles.

However, to prevent the loss of traction, you must always be careful when riding and learn to identify and avoid slippery, wet surfaces, loose materials, steep slopes, potholes and obstacles.

Stop and step off the MONOWHEEL over unsafe surfaces or terrain.

PLEASE AVOID

- Riding on slippery surfaces such as snow, ice, wet floors, wet grass, or any other surface that might cause slipping.
- Riding over loose objects or materials such as small branches, litter, gravel, sand or small stones.
- Steep hanging.
- Sharp turns as the foot platform may scrape the ground and throw you off balance.
- Holes, grooves, curbs, steps and other obstacles.
- Riding the MONOWHEEL in heavy rain or other adverse weather conditions.

RIDING ETIQUETTE

It is important to use proper etiquette when riding your Monowheel.

- Be careful and considerate of others.
- Always ride under control at a speed that is safe for you and those around you.
- Always be prepared to stop.
- Respect pedestrians by always yielding the right of way.
- Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down.
- In heavy pedestrian traffic, slow down and proceed at a walking speed. Pass only if there is ample space to do so safely. Do not weave in and out of pedestrian traffic.
- If it is legal in your area to ride in the street, always stay in marked bike lanes.

CLEANING AND SERVICING

Store your MONOWHEEL in a place away from moisture.

If you will not be using the MONOWHEEL for an extended length of time, you should fully recharge the battery at least once every three months to keep it from draining completely.

The battery cannot be removed.

Should you need a new battery, please contact your MONOWHEEL representatives.

Use suitable cleaning and care agents and a soft sponge. Never use solvents.

Never align a direct water spray at the MONOWHEEL.

We exercised care during design to ensure that the MONOWHEEL is protected from splashwater. Nevertheless, please avoid all contact with water.

Batteries are susceptible to temperature. Do not park the MONOWHEEL in the sun or in very cold environments. Room temperature is ideal for storage!

SAFETY GUIDELINES

Remember: you are required to inspect and maintain this product to insure your safety.

- Any type of wheeled activity can be hazardous. Wheels can, and are intended to move and it is therefore possible to get into dangerous situations and/or lose control and/or fall off. If such things occur you can be seriously injured or die.
- Always wear proper protective equipment, helmet, elbow and knee pads and wrist guards.
- Long sleeve shirts, gloves, long pants, closed-toe shoes (lace-up with rubber soles is best), and elbow and knee pads are mandatory.
- Keep shoe laces out of the way of the wheel.
- The MONOWHEEL should not be ridden by young children. Use your judgment about whether a child has the necessary coordination, strength and maturity to use the MONOWHEEL.
- Only children 15 years old or older should be permitted to ride the MONOWHEEL.
- Never ride in traffic. Watch your surroundings for pedestrians, bikes, roller skaters, skateboard and scooter riders. Use the MONOWHEEL in areas free from fixed or moving hazards, such as poles, curbs, hydrants, walls, parked cars and traffic.

TECHNICAL SPECIFICATIONS

Total weight	12,5 kg
Size	44X51X15 cm
Load max.	120 kg
Wheel size	16" 40X5,3 cm
Speed max.	25 Km/h
Range:	over 2 h
	(Depending on speed and weight)
Max. Gradeability	15 %
Battery Life	over 1000 full Charge / Discharge cycles
Battery	Lithium-ion 340 Wh (Sony)
Charging time	2 - 2,5 h
Charger/Power Supply	100-240VAC
Optimum mature pressure	2,4 BAR
Equipment	Charger Training wheels Manual Learning Belt

TERMS OF USE

THE MANUFACTURER AND THE SELLER OF THE MONOWHEEL IS NOT RESPONSIBLE FOR ANY DAMAGE AND / OR LOSS OF PEOPLE OR OTHER OBJECTS, IN CONNECTION WITH THE OPERATION, USE OR INABILITY TO USE OF THE MONOWHEEL.

THE USE OF THE MONOWHEEL BE EFFECTED AT YOUR OWN RISK AND RESPONSIBILITY! THE HOLDER OF THIS MONOWHEEL AGREES.

WARRANTY

Warranty conditions for Germany*

THE STATUTORY WARRANTY TERM IS 24 MONTHS AS OF THE PURCHASE DATE.
For commercial use, the warranty period 12 months from purchase.

A warranty is granted that the MONOWHEEL is free of defects in line with the state of the art in terms of materials and manufacturing during the statutory warranty period as of the date of transfer of the MONOWHEEL. In complying with our warranty obligations, we shall specify that the MONOWHEEL is repaired. Inspection of the fault and its causes is always carried out in the main repair shop, authorised repair shops or certified dealers and comprises:

- Repair or replacement of the defective component
- Working time
- Delivery of spare parts for repair work within the framework of the warranty; spare parts which have been replaced become our property.
- In the event of a justified warranty claim, the costs of dispatch, removal and installation are borne by us. The warranty claim must be proven on presentation of the proof of purchase and the stamped warranty leaflet.
- The purchaser is obliged to refrain from using the MONOWHEEL purchased for any other purpose other than that designated in the operating instructions.
- If the MONOWHEEL has been modified by a third party by installation of non-original parts or any defects are associated with such modifications, the warranty claim shall become null and void. Furthermore, the warranty claim shall become null and void if the specifications governing treatment of the MONOWHEEL are not followed and the designated repair services have not been carried out properly.

*for other territories, please check with your local dealer.

Not included in the warranty:

- Lubricants, packaging material and various consumables which are not associated with repair work on recognised faults
- All maintenance or other work arising from wear, accidents or operating conditions as well as driving while failing to observe the information provided by the manufacturer
- All incidents such as development of noise, vibrations, wear of the wheels, brakes etc. which do not significantly impair the driving and vehicle performance
- Damage attributable to the installation of non-original parts or efforts by the user to repair the damage himself
- The use of non-original spare parts
- Damage incurred by road chips, hailstones, de-icing salt, industrial fumes, poor care (e.g. poor battery charging) or unsuitable care products
- The following components, excluding unambiguous material or manufacturing defects (e.g. breakage, incorrect assembly)
- Components which are replaced during normal maintenance work, e.g. batteries, tyres, brakes
- Components subject to wear, e.g. tyres, brake pads, cables, lamps, fuses, battery, stands, footboard, brake cable or suspension fork
- Costs of maintenance, servicing and cleaning work
- Defects originally attributable to a lack of or untimely battery charging
- The warranty claim only entitles the customer to demand that the defect be remedied. Claims for conversion and reduction shall only apply after several failed attempts at improvement.
- The manufacturer is responsible for examining and deciding as regards warranty claims.
- Compensation will not be provided for direct or indirect claims.
- Warranty claims will only be taken into consideration if they are asserted against the corresponding MONOWHEEL dealer or MONOWHEEL itself.
- Warranty claims do not result in the warranty term being renewed or extended.
- The warranty conditions shall only apply within the Federal Republic of Germany.
- Agreements other than those outlined above shall only be valid if confirmed in writing by the manufacturer.
- The warranty term for the battery and other wear parts such as cables, tyres or brakes shall be 6 months for private use.
- The purchase receipt must be presented when asserting warranty claims.
- You can call our service hotline if you have any technical queries or issues relating to the warranty. This number is indicated on the cover of these operating instructions.

IMPORTANT NUMBERS

HOTLINE: +49 (0)5258-6053861

MONOWHEEL

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33154 Salzkotten

Germany

www.monowheel.info

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