



**Shark**

**The Bike with Bite**

**Directions for use  
Notice D'Utilisation  
Manual De Usuario  
Gebruikershandleiding**

**QUICKIE**

**INNOVATE.  
BUILD FOR THE FUTURE**

## Introduction (1.2)

Dear Customer,

We are delighted that you have chosen this top quality QUICKIE product.

These user instructions will provide you with a wealth of tips and information which will make your bike a trusted and reliable companion.

The term **CUSTOMER RELATIONS** is important to us: we would like to keep you up-to-date with all the latest developments at Sunrise Medical; customer relations also include prompt service with as little red tape as possible, when it comes to spare parts, accessories or simply questions about your wheelchair.

We want you to be happy with the service you receive. Sunrise Medical works continuously to further develop its products. Changes to the product delivered in terms of shape, technology and fittings can therefore occur. No complaints can therefore be made based on the data and diagrams in this user document.

SUNRISE MEDICAL is ISO-9001 certified, which ensures quality at all stages of the development and production of our products.

Please contact your local approved SUNRISE MEDICAL customer service, if you have any questions regarding the use, maintenance or safety of your bike. If you do not know of an approved dealer in your area or have any other questions please write or telephone:

**Sunrise Medical GmbH & Co. KG**  
**Industriegebiet**  
**D-69254 Malsch/Heidelberg**  
Telephone 07253 / 980-0  
Fax 07253 / 980-111  
E-mail: [info@sunrisemedical.de](mailto:info@sunrisemedical.de)  
Internet: [www.sunrisemedical.de](http://www.sunrisemedical.de)

## Contents

Introduction	
Tips for safety and general use	4
Overview	5
Handling	
Delivery	6
Options	
Brakes	6
Footrest	6
Gears	6
Backrest	7
Fork	7
Rear wheel access	7
Maintenance and care	8
Tyre maintenance	8
Rating plate/Guarantee	8
Torque	8

The user instructions describe all product variations sold worldwide, even if this is not an option for you or even is not available in your country. Therefore, please refer to the up-to-date order form or contact your supplier.

### CAUTION!

**Important tips for the prevention of accidents.**

**This information is for your own safety!**

**Please read this information carefully and follow it before use!**

1. Only one person of 120 kg max. is permitted to use the bike.
2. The use of this bike is recommended only for people who are physically and psychologically capable of driving it in public traffic situations.
3. As a beginner you should at first exercise special care.
4. Make yourself familiar with traffic regulations! To drive properly and safely you should avoid any sudden changes of direction when travelling at speed or when cornering.
5. Always hold the handlebars firmly with both hands when riding and braking, or steering errors could cause a greater risk of accident.
6. The bike is a mechanical mobility aid. Its speed must take into account the technical specifications and environment it is used in which it is being used.
7. Do not use the bike in darkness or twilight. However if you do need to drive in these conditions, always use lights. For longer journeys we recommend carrying replacement batteries.
8. Always drive on tarmac or firm, level surfaces. Driving over curbs, steps or potholes increases the risk of the bike tipping over.
9. Adapt your method of driving to your experience. In particular drive particularly slowly and carefully round corners.
10. Never put your hands close to the chain.
11. Before you travel, visually inspect the bike for tears and other damage.
12. Have the bike serviced regularly by your supplier.

**Before each journey the following safety checks should be carried out**

1. Before each journey check the screw connections on the rear wheels.
2. Check tyre pressure before each journey. Low tyre pressure could cause you to tip over at corners, leads to increased wear and tear and increases rolling resistance (drag).
3. Avoid damage to the Bowden cables for the gear and brake units. In particular on transfer and through incorrect turning there is a risk of snapping them.
4. Check that the footrests are firmly fixed.
5. Check all components, in particular check that all screws are tight.
6. Ensure that your feet are fixed in the footrests using the Velcro® straps before starting off, to avoid severe injury.
7. Wear a safety helmet.
8. Always ride with the safety flag, otherwise you may not be seen by other road users because the bike is low.

## Overview (4.2)

SUNRISE MEDICAL is certified to ISO-9001, which guarantees the quality of our products at all stages from development through to production. This product meets the requirements in accordance with EC guidelines.

Options or accessories shown are available at additional cost.

### Bike:

1. Brakes
2. Drive wheel
3. Brake lever
4. Gear lever



## Handling (6.4.1)

### Delivery

Your new Shark/Shark S is delivered completely assembled in a cardboard box. To avoid damage in transit, any loose or add-on parts are packed separately in the box.

### Unpacking:

- Check the box for signs of external damage.
- Remove all packaging.
- Remove all bike parts (wheels etc.) carefully from the box and check they are all complete.
- Check all parts for surface damage – scratches, tears, dents, distortions and other faults.
- Please inform us immediately of any damaged or missing parts.

### Transporting the Shark/Shark S:

To keep the Shark/Shark S as compact as possible, the rear wheels are delivered disassembled. To fit these, simply put the wheels on the screw axles and tighten the screw connections.

### CAUTION!

**Check that all screw connections are tight before starting each journey!**

## Options – Brakes

### Brakes (7.15.1)

The bike is equipped with two brakes which work independently of each other.

### Parking brake

The parking brake, which is mounted on the fork, acts as an immobilizing brake. It can be locked by using the stop lever. The stop lever must audibly lock into place for this function to operate. The bike will not move while the parking brake is on, and this is the only mode which will guarantee a safe transfer on and off the bike.



### Operational brake

The brakes allow you to safely and comfortably stop the bike.

### Shark

With its 7-gear hub change, the Shark is equipped with a back pedal brake. Pulling the crank backwards applies a braking force to the bike (similar to the back pedal brake on a bicycle).

### Shark / Shark S

Bikes with derailleurs are equipped with a rim brake, as the hubs have a freewheel facility. The brake lever is mounted on the left handlebar.

### CAUTION!

**Brake efficiency is reduced by:**

**Worn tyre tread, low tyre pressure, dirty or wet tyres.**

**The road surface plays an equally decisive part in reducing speed. Wet or dirty surfaces, as well**

**as sandy or stony ground can considerably reduce the effectiveness of the brakes. Dirty and wet rims and brake linings also impair the performance of rim brakes.**

**For this reason you should always adapt your driving technique to the prevailing conditions in order to avoid serious accidents.**

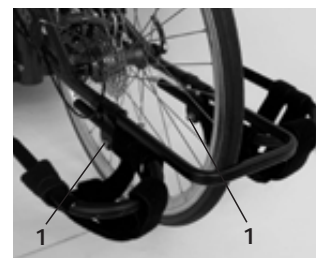
**Always check the effectiveness of your brakes before beginning any trip and satisfy yourself that they are functioning adequately.**

**Have the brakes regularly checked and if necessary adjusted by your specialized dealer.**

## Options – Footrest

### Footrest adjustment (7.27.1)

The footrests can be adjusted to suit your leg length. You can make the adjustment by loosening the screws (1). When adjusting the length, it is important to note, that the legs should be slightly angled and should touch the front stirrup (see figure). When at a standstill, you should check that with the maximum steering turn, the increased knee bend does not lead to contact with the drive crank. There must be a minimum gap of 5 cm between the heel and the floor. You will need this clearance for travelling round bends. After any adjustment work, ensure that all screws are tight (see page on torque).



20

### CAUTION!

**Before starting off, ensure that you fix your feet in the footrests using the Velcro® straps provided. If the feet slip out of the footrests unintentionally while in motion, serious injury could result.**

## Options – Gears

### Chain-plate gear change/hub gear change (7.45.1)

Gears are changed using the Grip Shift Switch, which can be fitted on the frame, fork or on the handlebar.

Chain-plate change on the crank is by means of a switch which is mounted on the crank housing. The chain-plate gear change/hub gear change facilitate easy movement, independent of road conditions.



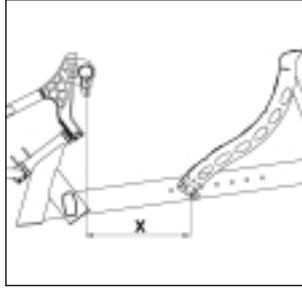
26

**A description of the gear unit is part of the delivery. If the gear unit should cease to function perfectly, then please contact your dealer!**

## Options – Backrest adjustment

### Backrest adjustment (7.74.1)

When testing the seat, ensure that the cranks turn freely above the thighs, even when travelling round a curve. (Test in freewheel, going backwards, if necessary, adjust the seat cushion thickness). Set the distance to the handbar assembly, so that when turning the crank, the arms stretch or move comfortably. You can achieve optimum performance by exploiting the adjustment possibilities of the back and the bottom bracket, and in doing so, obtain the best position for you.

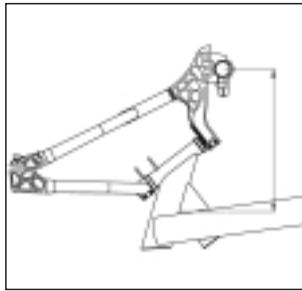


450

The holes in the frame allow rough adjustments to be made to the distance between the back and the crank (X dimensions) in 5 cm increments. The additional holes in the frame permit finer adjustments to the X-dimension and the height of the back.

Continuous adjustment of the back angle is possible ...

It is possible to continuously adjust the backrest lengthways, in height as well as change the angle, by loosening the screws (1 to 6). After any adjustment work, ensure that all screws are tight (see page on torque).



The height of the crank can also be adjusted. Slacken the screw connection of the bottom bracket and screw it back again at the desired height.

451

### CAUTION!

After adjusting, tighten up all screw connections securely. (See page on torque)

### Fold-out back.

In this option, the lower part of the backrest is fixed with a small quick-release axle. By actuating this axle, it can be pulled out and the backrest can be folded backwards.

To refit, follow this procedure in reverse order.

When refitting, ensure that it is completely released.

## Options – Removable fork

### Removable fork (7.74.2)

Removable forks make the bike easier to transport. This option enables you to separate the fork from the frame.

After getting out of the bike, slacken the screw connection between the fork and the frame, using the lever located underneath the bike. After slackening this connection, remove the connecting bolts accessible on the sides. Now the fork and frame are

separate and can be stored as individual components.

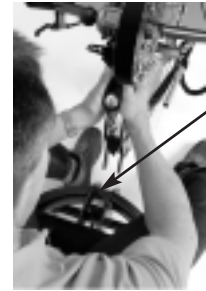
To fit them back together, follow the same procedure in reverse.

### CAUTION!

Ensure that the connecting bolts are completely re-inserted up to the head. Check the connection carefully and ensure that the screw connection is tight.

The removable fork with X-Link is an additional aid for easier transfer.

Slacken the connection between the frame and the bike by releasing the locking lever on the frame (1). Then push the fork forwards to its fullest extent until stand is completely out (2). For easier transfer, the seat surface is raised approx. 10 cm and the distance between the fork and the seat approx. 15 cm greater.



453

You can now carry out the transfer.

The released stand also permits transfer with the fork removed.

Remove the connecting bolt between the fork and the frame. Now you can remove the fork and put it to one side to carry out the transfer.

To refit, follow this procedure in reverse order.

As soon as you have reconnected the fork and the frame using the connecting bolt, and are sitting in the bike, operate the crank briefly as if you were about to set off. Once the stand is no longer effective and the bike is ready to move, you must check that the connection is tight.



452

To do this, raise the stand up so that it locks into its mounting. You will hear the locking mechanism lock into place.

## Options – Adjustable rear wheel axle

### Adjustable rear wheel axle (7.74.3)

The complete axle adapter can be rotated through 180° by slackening the connecting screws. This allows you to use 20" or 26" rear wheels as desired, without changing the driving geometry of the bike.



454

As the axle is clamped in the axle adapter, the track of the rear wheels can also be adjusted by slackening the clamp connection.

After slackening the clamp connection, the axle can be turned. Turn the axle sufficiently to ensure that the distance of the rear wheels (middle to middle) is identical at the front and back. Then tighten up all the screws again.

## Maintenance and care (9.8)

When	What	Note
Every 4 weeks (depending on frequency of use)	Put a few drops of oil on the following components: <ul style="list-style-type: none"> <li>• Drive head</li> <li>• Brake lever assembly</li> </ul> Grease the transition of the strokes of the gears and brake lever. Check that all screw connections are tight! Oil the drive chain!	Carry out yourself or with the help of an assistant. Before oiling, remove all traces of old oil residue. Be careful that any surplus oil does not damage the immediate environment (e.g. your clothes). Carry out yourself or with the help of an assistant. Spray lightly with Teflon spray. Watch your clothes!
Every 2-3 months (depending on frequency of use)	<b>Check:</b> <ul style="list-style-type: none"> <li>• for cleanliness</li> <li>• general condition</li> </ul>	Carry out yourself or with the help of an assistant. If there are tears or general wear and tear, replace the rubbers or immediately contact an authorised workshop for repair.

### Service:

If you have any questions or need help, please contact your SOPUR dealer, who will be pleased to advise you on matters of service and repair.

Depending on the use of your Shark/Shark S, we recommend that you contact your dealer at the very least, every 6 months, to have your Shark/Shark S checked by a specialist.

## Tyre maintenance

### Tyres

The Shark/Shark S is fitted with special 20"/26" tyres on the rear wheels and a 26" drive wheel. Make sure that you always use the recommended tyre pressure, as this fundamentally determines the handling characteristics of the Shark/Shark S. Tyre pressure that is too low makes movement and manoeuvring more difficult, as there is increased resistance to roll and the effort required by the user is increased.

The optimum tyre pressure for the various tyres is shown on the tyre walls.

### Tyre assembly/repair

Before fitting a new inner tube:

- Check the rim bed and tyre inner wall for foreign objects and if necessary, clean thoroughly.
- Check the condition of the rim tape, particularly near the valve opening. Only firm rim tapes which fit well offer permanent protection against inner tube damage from burns and sharp-edged spoke heads.

### CAUTION!

After fitting, check the tyre pressure. Correct tyre pressure and perfect condition of the tyre are prerequisites to ensure your personal safety and the performance of your Shark/Shark S.

### Pumping up the tyres:

Check on both sides and all the way round that the inner tube is not trapped between the tyre flange and the rim. Push the valve back gently and then pull it out again, so that the inner tube is in the best position in the area of the valve.

## Identification plate

### Identification plate (11.1)

The identification plate is located on the cross-brace tube or frame cross tube and on the back page of the user instructions. The plate contains the exact model designation and other technical details. When ordering replacements or making complaints, please include this information

- Serial number
- Order number
- Month/Year

### Guarantee

You have chosen a high-quality Sopur product. We thank you for this and provide you with a guarantee of 5 years on all frame parts and the cross-brace, and 1 year for all other parts. We accept no liability for damage caused by improper fitting and/or repairs or for such work if carried out by unauthorised persons, or for damage caused by neglect and wear and tear, or by modifications to parts carried out by the user or third parties. In this case our product responsibility is no longer valid.

Customised equipment cannot be exchanged.

## Torque settings

Drive head	50 Nm	20" pneumatic wheel	10 Nm
Caster fork	50 Nm	Handbar assembly	40 Nm
Steering shaft	50 Nm		
M12 nut	50 Nm	Drive crank	
		175 mm M8	10 Nm
Saddle support clamp	10 Nm	Drive crank	
M6 screw	10 Nm	185 mm M8	25 Nm
M6 nut	10 Nm		

The torque for M6 screws is 7 Nm, unless stated otherwise.

Sunrise Medical GmbH  
69254 Malsch/Heidelberg  
Deutschland  
Tel.: +49 (0) 72 53/980-0  
Fax: +49 (0) 72 53/980-111  
www.sunrisemedical.com

Sunrise Medical Limited  
High Street Wollaston  
West Midlands DY8 4PS  
England  
Phone: +44 (0) 13 84 44 66 88  
www.sunrisemedical.com

Sunrise Medical S.L.  
Polígono Bakiola, 41  
48498 Arrankudiaga – Vizcaya  
España  
Tel.: +34 (0) 9 02 14 24 34  
Fax: +34 (0) 9 46 48 15 75  
www.sunrisemedical.es

Sunrise Medical S.A.  
13, Rue de la Painguetterie  
37390 Chanceaux sur Choisille  
France  
Tel.: +33 (0) 2 47 55 44 00  
Fax: +33 (0) 2 47 55 44 03  
www.sunrisemedical.com

Sunrise Medical Srl  
Via Riva 20, Montale  
29100 Piacenza (PC)  
Italy  
Tel.: +39 (0) 05 23-57 31 11  
Fax: +39 (0) 05 23-5 70 60  
www.sunrisemedical.it

Sunrise Medical A.G.  
Lückhalde 14  
3074 Muri bei Bern  
Schweiz  
Tel.: +41 (0) 31-958-38 38  
Fax: +41 (0) 31-958-38 48  
www.sunrisemedical.ch

Sunrise Medical AS  
Rehabsenteret  
1450 Nesoddtangen  
Norway  
Tel.: +47 (0) 66 96 38 00  
Faks: +47 (0) 66 96 38 38  
www.sunrisemedical.no

Sunrise Medical AB  
Britta Sahlgrens gata 8A  
421 31 Västra Frölunda  
Sweden  
Tel: +46 (0) 31-748 37 00  
Fax: +46 (0) 31-748 37 37  
www.sunrisemedical.se

Sunrise Medical B.V.  
Pascalbaan 3  
3439 MP Nieuwegein  
Nederlands  
Tel.: +31 (0) 30 60-8 21 00  
Fax: +31 (0) 30 60-5 58 80  
www.sunrisemedical.com

M.M.S. Medical Ltd.  
Forge Hill Cross, Kinsale Road  
Cork  
Ireland  
Tel.: +35 (0) 32 14 31 41 11  
Fax: +35 (0) 32 14 96 27 92

G2 A/S  
Graham Bells Vej 21-23 A  
8200 Arhus N  
Denmark  
Tel.: +45 (0) 86 28 60 88  
Fax: +45 (0) 86 28 65 88  
www.G2.dk

