



Flexlife

Model D9

User manual

<u>EC DECLARATION OF CONFORMITY</u>	<u>5</u>
<u>TO THE CUSTOMER</u>	<u>6</u>
VARIANTS OF FLEXLIFE	6
<u>SAFETY</u>	<u>7</u>
PURPOSE AND INTENDED USE	7
NOT INTENDED USE	7
GENERAL REGULATIONS	7
MANUALS FOR THE VISUALLY IMPAIRED	7
USER, DISTRIBUTOR AND PROFESSIONAL TECHNICAL STAFF	7
SECURITY SYMBOLS	8
<u>INFORMATION ON ELECTROMAGNETIC INTERFERENCE</u>	<u>9</u>
ELECTROMAGNETIC INTERFERENCE FROM RADIO WAVES	9
<u>PRODUCT TYPE LABELING</u>	<u>9</u>
LABEL	9
<u>SAFETY INSTRUCTIONS</u>	<u>10</u>
USERS	10
CO-FOLLOWER	10
WHEN USING	11
AT STANDSTILL	11
<u>USE</u>	<u>12</u>
TRANSPORT BY PRIVATE VEHICLE	12
SURFACE	12
PUBLIC ROADS	13
USE IN PUBLIC TRANSPORT, ETC.	13
USE IN FLIGHT	13
BALANCE WHEN DRIVING	14
IN AND OUT OF THE WHEELCHAIR	14

CHANGE IN THE BODY'S CENTER OF GRAVITY	15
OBSTACLE TAKING	16
BACKING DOWN	16
SLOPES.....	17
LOAD	17
STAIRS	17
 INSTALLATION INSTRUCTION	 18
 FOLD AND FOLD UP	 18
FOLD.....	18
FOLD UP	19
FOLD UP AND DOWN THE ARMRESTS.....	19
ADJUST THE LOCKING LATCH	20
SEATBELT.....	21
INSTALLATION OF THE SEAT BELT	21
UNBUTTONING THE BELT	21
JOYSTICK	22
 ERROR DIAGNOSTICS	 23
 INTRODUCTION	 23
MALFUNCTIONS AND SOLUTION OF PROBLEMS.....	23
USAGE AND FUNCTIONS	25
USE THE JOYSTICK TO CONTROL THE WHEELCHAIR	25
FUNCTION OF THE JOYSTICK	26
SIGNALHORN	27
USING THE BRAKE.....	27
BATTERY.....	28
REMOVE AND INSERT BATTERY.....	29
CHARGE THE BATTERY	30
CHARGING STATUS CHECK	30
OVERCHARGE PROTECTION	31
POWER PROTECTION.....	31
BATTERY CLEANING	31
STORAGE OF FLEXLIFE	32
CARE AND CLEANING.....	32
MAINTENANCE BY USER	33
LIFE EXPECTANCY	33
REPAIRS	34

TRANSFER TO ANOTHER USER 34

PRODUCT DATA 34

SCOPE OF DELIVERY 35

WHEELCHAIR PARTS 36

WARRANTY 37

SCOPE 37

PRODUCT SAFETY AND RECALL INFORMATION 37

INCIDENT MANAGEMENT 37

CONTACT 37



EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

Nummer SGFL09
 Produktnamn FLEXLIFE D05 och D09
 Tillverkare: JBH MEDICAL APPARATUS CO., LTD.
 No. 12, Wuge Rd, Jiangning District Nanjing, Jiangsu, 211113,
 China

Representant: Freeborn AB / Swedish Goliat, Olof Johanssons väg 6, SE-38830
 Ljungbyholm, Sverige. Org.nr 556958-4765.

Freeborn AB försäkrar att ovanstående produkt uppfyller tillämpliga krav i lag (1993:584) om medicintekniska produkter samt i Läkemedelsverkets föreskrifter LVFS 2003:11 om medicintekniska produkter enligt Direktiv 93/42/EEG.

Föremålet för försäkran överensstämmer med den relevanta harmoniserade gemenskapslagstiftningen avseende produktklass 1 enligt Läkemedelsverkets föreskrifter LVFS 2003:11.

Föremål för försäkran, FLEXLIFE D05 och D09, avsedd att användas för rörelsenedsatta personer i behov av elektrisk hopfällbar rullstol.



Hänvisningar till de specifikationer enligt vilka överensstämmelsen försäkras: Testad enligt EN12184:2014

Undertecknat för auktoriserad representants räkning (Freeborn AB)

Ljungbyholm 2019-05-28

Mats Laveborn, VD



Freeborn AB, orgnr. 556958-4765 - Olof Johanssons väg 6, 388 30 Ljungbyholm - säte i Nybro,
 info@swedishgoliat.se, www.swedishgoliat.se, tel +46 721 604080

TO THE CUSTOMER

Dear customer,

Thank you for purchasing a Flexlife D9, which is designed by Decon Wheel AB. The collapsible electric wheelchair you now own has very high performance in terms of quality, safety, comfort and portability.

Flexlife gives you increased opportunities for an active life.

Before using your Flexlife for the first time, read this user manual carefully. This instruction will help you understand performance, handling and appropriate maintenance.

If you are unable to control your Flexlife yourself or need more advice and help, please contact your dealer for guidance and help.

VARIANTS OF FLEXLIFE

Flexlife is marketed in two designs:

1. Standard
2. Comfort – this model includes pressure relieving cushion, front and rear lighting and polstered armrests.

Standard



Comfort



SAFETY

PURPOSE AND INTENDED USE

Flexlife is a smooth, collapsible, lightweight and comfortable electric wheelchair. The wheelchair is powered by DC motors that can be used indoors and outdoors. It is an individual transport for the disabled and the elderly. The weight of the person shall not exceed that stated in the technical specification in this manual.

The prerequisites for using the product are that the person concerned has sufficient cognition and motor skills to be able to drive the product safely. The assessment of the person's ability is carried out by Decon or by Decon appointed representative as assistive technology centers and dealers.

NOT INTENDED USE

Any use that does not correspond to the description in this user manual. This also includes the technical specification, i.e. maximum user weight, maximum reversing capability, etc.

Flexlife has two mounts designed to fasten the chair during transport.
Flexlife must not be used as a seat when using a private vehicle!

GENERAL REGULATIONS

This user manual applies to Flexlife D9.

The user manual is written for users of Flexlife and people who are in some way helpful in order for the user to get the best benefit from Flexlife as possible.

MANUALS FOR THE VISUALLY IMPAIRED

If you have difficulty reading this user manual, please contact your local dealer. Your local dealer can deliver a digital copy of this manual. This makes it possible to enlarge the manual or read aloud from your readout software.

USER, DISTRIBUTOR AND PROFESSIONAL TECHNICAL STAFF

Do not use your Flexlife until you have got to know it, read and understood all the instructions. If you do not understand warnings and instructions, please contact your dealer for professional technical guidance and assistance. Otherwise, it may cause injury or danger in case of improper use. In addition, you can complete the start-up under the guidance of the technical staff.

SECURITY SYMBOLS

The signs below can help you identify some warnings regarding the use of your Flexlife.

Recognizing and understanding them is very important.



NOTE! Read and follow the guidance in this manual.



Information about a dangerous operation that could harm you or others.



Risk of material damage. An operation which, if not performed correctly, can lead to material damage.



Do not use mobile phones, laptops or other radio transmitters when in use.



Avoid rain, snow, ice, salt and driving in the water.



Flexlife has passed the test of the electromagnetic / RF resistance to 20 V / M.



The battery contains corrosive chemicals.



The battery may be explosive in case of improper handling.



Do not use batteries with different capacities and models at the same time, do not mix the old and new batteries when replacing, change it completely. Keep tools and other metal objects far away from positive and negative ends of the battery. Touching both poles may cause short circuits and electric shocks.



This means that this is flammable material, do not expose to flame or spark.



Waste management and recycling. Indicates that the manufacturer/distributor has ensured that products and batteries may be returned to the collection point for sorting. Once Flexlife has expired and is to be scrapped, contact your local authorities for recycling information and follow their instructions.

INFORMATION ON ELECTROMAGNETIC INTERFERENCE



Warning

Electromagnetic interference can affect the electric wheelchair, so reading and understanding this manual is very important.

This chapter describes the problems caused by the electromagnetic interference, so that users can understand and take corresponding protective measures to avoid or minimise the risk. Some content deals with accidents in certain environments or conditions.

ELECTROMAGNETIC INTERFERENCE FROM RADIO WAVES

An electric wheelchair is susceptible to electromagnetic interference. Electromagnetic energy is usually emitted from radio, television, radio transmitters, two-way radios and mobile devices. This electromagnetic interference can cause control problems for, among other things, the brakes. It can also cause permanent damage to the control system, so a product's ability to withstand electromagnetic interference is particularly important. Flexlife has passed the resistance of the 20 V/m electromagnetic interference test, so it has high anti-interference and can withstand some common radiation/electromagnetic interference in everyday life.



Warning

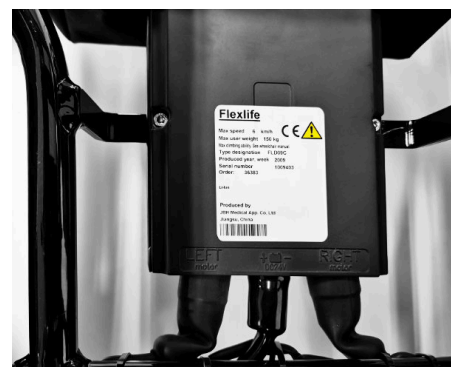
Although Flexlife is able to handle disruptions, users should still follow the following rules:

- Once the power supply is connected, do not use radios such as transmitters, receivers, and personal communication devices such as cell phone, etc.
- Try to avoid getting close to the radio source, such as radio, TV, etc.
- If your Flexlife starts to lose control, the user should turn off the power supply immediately and contact the manufacturer. Do not replace any part of this electric wheelchair.

PRODUCT TYPE LABELING

LABEL

The label is placed on top of the controller box.



SAFETY INSTRUCTIONS

USERS



Warning

Before using your Flexlife, keep tools and other metal objects away from the positive or negative of the battery, if exposed to both ends, it may cause short circuits and electric shock.

- Health and care professionals should have been trained and given professional guidance for use.
- Before using your Flexlife, make sure you have learned how to use it.
- Practice certain tasks with the help of health care professionals, such as swinging, coping with obstacles and braking until you are independent and skilled in performing these tasks.
- Don't try new difficult situations when you can't ensure safety.
- Make sure you know the area you are going to, and check for danger or not, and master your Flexlife to avoid any risks.

CO-FOLLOWER



Warning

- You need to cooperate with the user and listen to any recommendations of the user's doctor, occupational therapists or physiotherapists and make a plan that is best suited to the user's ability.
- When running Flexlife with your hands, you must turn off the electromagnetic bridge switch so that the wheelchair is set to manual mode.
- When running Flexlife with your hands, you need to use the bow in the backrest. This can provide safe driving and prevents the wheelchair from tipping backwards when you push.
- Check the backrest lock so that it cannot rotate or slide when the user is running over obstacles.
- To prevent damage to the user's back, make sure that the user is in the correct seat balance. When lifting or supporting the user or Flexlife, you can bend the knees a little and hold the back vertically.
- Before each movement, tell the user what you want to do and explain the reason and tell them what you want them to do at the same time. This allows the user to prepare and reduces the risk of accidental injury.
- To back up a slope or edge, remind the user to lean back.
- Before driving up or down an edge, slow down to avoid damage to you, the user and Flexlife.

WHEN USING



Warning

- In case of collision, you must release the joystick.
- If you feel that the joystick has changed behaviour, contact your ordinator or supplier for verification and any programming.
- Keep your body as upright as possible.
- Avoid hitting edges at too high a speed while driving.



AT STANDSTILL



Warning

When you stop your Flexlife, even temporarily, make sure the power is turned off. This may prevent:

- that you or others touch the joystick by mistake and cause unexpected movements.
- that your Flexlife is affected by possible electromagnetic interference which may mean that it reacts in an unexpected way.

Make sure that others, including someone to help you (such as the shop assistant) know how to use the joystick.



USE



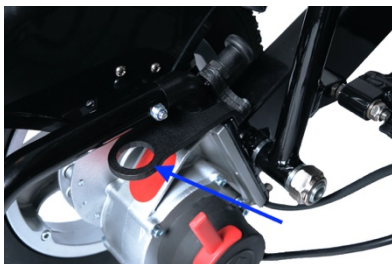
Warning

- This wheelchair should not be used under heavy rain, snow or ice conditions.
- Batteries and control box must not have direct contact with water as this may cause electrical failure.
- Avoid damp environments. Frame, motor and other electric wheelchair parts are not waterproof, this may involve rust attack or corrosion.
- To prevent malfunctioning in Flexlife, the following procedures are strictly prohibited.
 - Do not use this type of electric wheelchair in a swimming facility or sauna.
 - You must not use a high pressure cleaner or flush water on your Flexlife. If it has become wet, remove the battery as soon as possible and try to make sure the battery is dry when used again.
- Make sure the battery cover is closed.
- If the joystick is broken, replace it as soon as you can
- Make sure that all electrical connections are safe and fixed.
- If you have to use it on wet or slippery surfaces, be careful and drive slowly forward.
- If one or two main wheels lose traction, you must stop immediately if the wheelchair is out of control.
- If there is snow, ice, water or oil on the slope or on the ramp, do not attempt to run down.
- When you don't know if it's safe to move or not, ask for help.
- Turn off the power supply when Flexlife is not in use, place it in a dry and clean place after charging.
- Avoid storage in direct sunlight or in places where the temperature may be high.

TRANSPORT BY PRIVATE VEHICLE



Warning



Flexlife has two mounts designed to clamp the chair during transport. Flexlife must not be used as a seat when using a private vehicle!

SURFACE

- Flexlife is suitable for concrete, asphalt and indoor floors.
- Flexlife should not be used in loose sand or rough dirty terrain as this may result in damage to wheels, bearings, axles or engine parts as well as to loose fasteners.

PUBLIC ROADS



Warning

In most countries and regions, wheelchairs on public roads are illegal.

Fig 1

Fig 2

- The user must realize that it is dangerous to drive wheelchair on the road or in the parking lot.
- To be more easily visible in the dark, there are mounted reflectors on Flexlife (Fig. 1 and 2).
- The user can also wear reflective functional clothing.
- When meeting with other vehicles, make sure that the driver have noticed you. Before you continue to run, provision contact the driver and let the driver know your intention.



USE IN PUBLIC TRANSPORT, ETC.



Warning

- Do not try to drive Flexlife when you are on moving public transport such as bus, subway, train, aircraft, ships etc.
- When driving Flexlife onto public transport, you should be accompanied by someone, look for a reliable place to park, turn off the power supply.
- If the user uses Flexlife alone in public transport, they should look for a place where the wheelchair or wheels can be fixed to avoid damage caused by the sudden braking of the vehicle.
- Do not place Flexlife in front of other vehicles so as not to cause unnecessary interference.
- Flexlife has two mounts designed to secure the chair during transport.

USE IN FLIGHT

When ordering a flight, you should always inform the airline in advance that you should bring an electric wheelchair and follow their instructions. Please provide the airline with detailed information on this in connection with the booking.

For flight, the standard batteries can be used. They have the following specifications:

- | | |
|------------|---|
| • Title | Battery Flexlife D9 |
| • Item | FLD09-2005 |
| • Voltage | 24 V |
| • Capacity | 6 Ah, (144 Wh) per batteri. 2 batteries in total (288 Wh) |
| • Type | Lithium |
| • Weight | 1065 g/piece |
| • Size | L:410 mm, H: 65 mm, W: 26mm |
| • Approval | UN38.3 and MSDS test report SDS201712211055 |

It may be forbidden to bring the lithium ion battery on board and also to check it in as hand luggage. Always consult the airline in advance.

BALANCE WHEN DRIVING

When driving, Flexlife should be kept in balance and with a stable centre of gravity.

The factors that affect the balance point are:

- The height and angle of the seat.
- The position and seating position of the user.
- The slope of the ramp or slope.
- Use of a backpack or other objects to change the total weight and weight distribution of the wheelchair.

If you need to modify or adjust your Flexlife, please contact your suppliers in advance and you must have the manufacturer's approval. The modified wheelchair may need to be adjusted to correct driving deviations. Using a modified wheelchair requires a lot of care until you are sure of balance to avoid falling or tasking.

IN AND OUT OF THE WHEELCHAIR



Warning

The user must exercise caution when moving to the electric wheelchair, and this requires good balance and flexibility.

Avoid falling:

- When you are ready to put yourself in the electric wheelchair, you need to turn off the power supply. Otherwise, pressing the joystick may lead to unexpected movement.
- Make sure that the motors are locked and that the wheelchair does not move itself.
- Learn the safest way to move the body by a professional.
- Let others help you until you feel safe in your movements.
- Move Flexlife as close to the movement point as possible.
- Turn the front wheels forward as far as possible.
- Be careful with the footrest and fold it up as far as possible.
- Do not stand on the footrest as it may be damaged .
- Make sure your feet do not get stuck during movement.
- Make sure the armrest and footrest are not in the way.
- Sit down as quickly as possible to reduce the risk of falls.

CHANGE IN THE BODY'S CENTER OF GRAVITY

Stretching your arms or tilting your body will affect the center of gravity of the electric wheelchair.

If the driving method is not correct, it may cause you to fall or overturn. Several points below can reduce the risk of personal injury or damage to your Flexlife:

- If you need to change the body's center of gravity, for example, to lift the body, do not tilt your body too far forward or backward.
- If you have to move forward in the chair, do not lean too much (as shown in Figure 1)
- Do not use your hand to reach distant objects, if you are out of balance.
- Do not try to pick up the goods between your knees or in front of your body. (As shown in Figure 2)
- Do not stretch the body back to the limit that the chair can tip over and cause serious injury.

Remember:

- Move your Flexlife as close to the item you want to reach.
- Turn the front wheels forward, making the wheelchair more stable.



1



2

OBSTACLE TAKING



Warning

You have to overcome some obstacles during daily use, including threshold, elevator, ramp, pits and broken sidewalks, etc.

! Thresholds and edges can cause problems. Even a slight change in height can cause the front wheels to stand on the side and stick

- For indoor use, it may be useful to remove or replace the thresholds.
- When driving your Flexlife, observe the surroundings to see if you can avoid any obstacles.

You can adjust your center of gravity as follows:

- When you run over an obstacle, lean forward with your body.
- When driving downhill, sit back.



Warning

When crossing a railway or tram track, you must have an assistant on hand. Getting stuck with the front wheels in the groove poses mortal danger.

BACKING DOWN



Warning

- When reversing, you need to be extra careful. If the rear wheel hits an object, you may lose control or fall.
- When reversing, slow down. Stop and check often to make sure there are no obstacles along the way.

SLOPES



Warning

On slopes, the gravity of your electric wheelchair changes.

NOTE: "slope" can be a ramp or slope. If you don't feel safe, ask for help.

Call:

- If the slope is more than 10 ° increases the risk that the chair may tip.
- Preferably do not drive on slippery slopes (such as snow, ice, water or oil).
- If the lower part of the slope is bumpy, the risk of the front wheels getting stuck increases, be careful!

LOAD



Warning

- The maximum load of the electric wheelchair is 160 kg.
- The backrest load capacity is less than 75 kg, please do not press the backrest with more force than that.
- Do not perform any weight training in your Flexlife and always make sure that the total weight is below the maximum load capacity of the wheelchair.
- When the load exceeds the maximum load capacity, damage may be caused to the seat, frame, brackets, folding, etc. It can also cause serious harm to the user himself.
- Problems caused by overload are not covered by the warranty.

STAIRS



Warning

- This electric wheelchair is not suitable for moving up and down stairs or on escalators.
When using an elevator, pay attention to the following warnings:
- Do not use the wheelchair on the escalator to avoid serious injury.
- An elevator can be used when you are in the wheelchair. Drive the wheelchair into the lift and turn around space so you can drive out without reversing.

INSTALLATION INSTRUCTION

FOLD AND FOLD UP



Warning

Make sure that all parts are properly installed after adjustment, repair or maintenance, otherwise it may cause damage.

The weight of the wheelchair (with battery) is 26 kilos, use the right way to lift to avoid injury.

FOLD

Step:

- Disconnect the cable to the joystick by turning the locking ring off and pulling out correctly. (Fig 1)
- Remove the control panel/joystick by loosening the screw under the armrest and pulling it out. (fig 2a and 2b)
- Fold up the footplate and remove the seat cushion. (fig 3a and 3b)
- Push the locking latch in the back of the chair, under the backrest (fig. 4)
- Push the backrest forward until the chair folds (fig. 5a and 5b)
- The front wheels may need to be adjusted so that they do not block the frame.
- Wheelchair folding is complete. (Fig. 6)

Fig 1



fig 2a

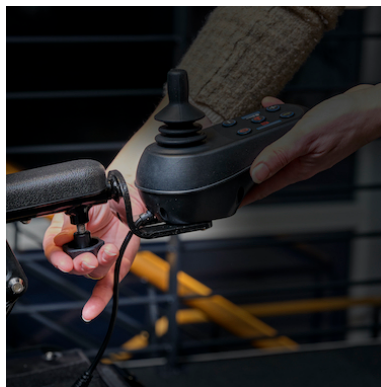


fig 2b



Fig 3a

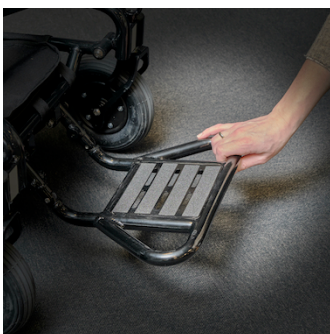


fig 3b



fig 4



Fig 5a



fig 5b



Fig 6



FOLD UP

Step:

- Hold with one hand the backrest of the chair and the other hand grabs the battery tube or the front edge of the seat.
- Push back the backrest as far possible, and make sure that the locking latch on the back snaps
- Place the seat cushion on and possibly lower the footplate (depending on the technique of moving to the chair).
- Install the control panel /joystick (see the installation control page).
- If they are unfitted, install the anti-tipper guards.

FOLD UP AND DOWN THE ARMRESTS

- On each armrest outside there is a lever that can be turned to loosen and lock the armrests in the lowered or raised position.

LOCKED POSITION

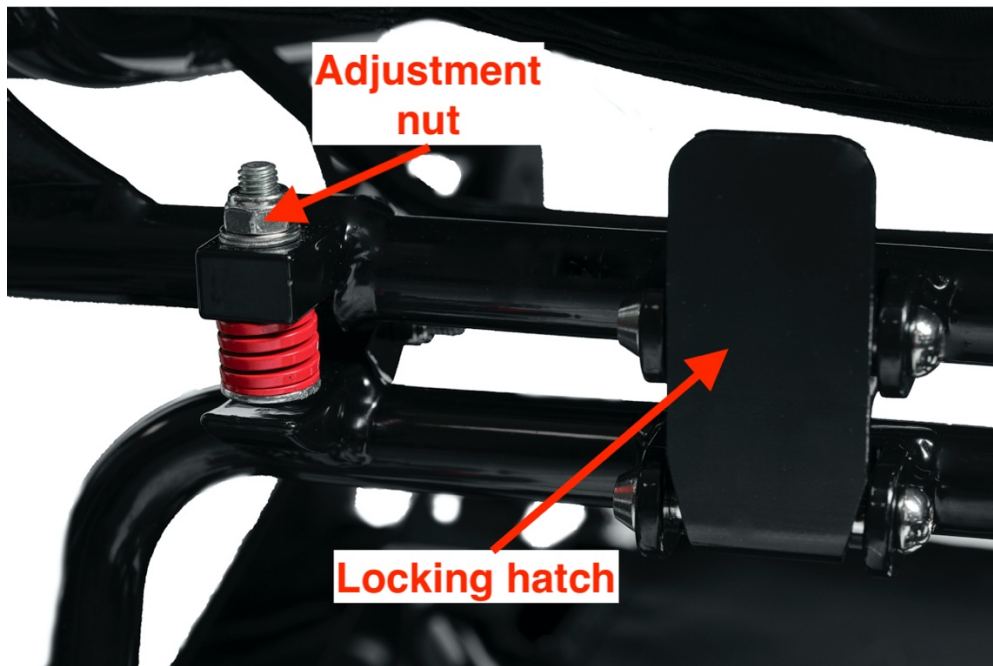


UNLOCKED POSITION



ADJUST THE LOCKING LATCH

If the locking latch for the folding mechanism is too sluggish or too loose, it can be adjusted by loosening or tightening the adjustment nuts (red) on each side of the latch.



SEATBELT



Warning

The seat belt is used to fix the user's body and prevent the user from slipping off the seat. However, it cannot protect you from all accidents.

The seat belt can be adjusted to the user's needs.

INSTALLATION OF THE SEAT BELT

- Make sure that the seat belt has enclosed the waist and the lower part of the wheelchair backrest.
- Adjust the seat belt according to the user's comfort.
- Push the buckle into the lock on the other side of the belt until you hear a clicking sound.
- Adjust the seat belt to the appropriate length, do not pull too hard.

UNBUTTONING THE BELT

- Press the lock button and pull out the buckle.



Warning

- Before each use, make sure that the seat belt is securely fitted and conveniently aligned with the user.
- Before each use, check if your seat belt is loose or damaged. If you find that there is a problem, please contact the supplier to maintain and repair.

JOYSTICK

The joystick can be installed on the left or right side.

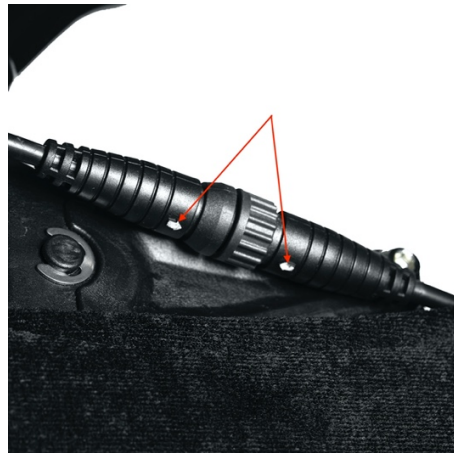


1. As shown in Figure 1, insert the joystick into the armrest tube and then fix the joystick with the screw.
2. Connect the joystick cables. The two white arrows should be facing each other. Press together and turn the locking ring half a turn. (fig 2a and 2b)

Fig 2a



fig 2b



ERROR DIAGNOSTICS

INTRODUCTION

When the LED lights on the control panel flash, this means that there is a malfunction on the wheelchair. This alarm can be generated from the engine, brake, battery, wire connection or the wheelchair itself. The problems can be classified according to the diagnostic code. The times the LED flashes and pauses, several times again and repeatedly, is the actual diagnostic code. For example, if the LED flashes four times, pauses and flashes four times again repeatedly, it means that there is something wrong with the left motor. If it's five times, it means there's something wrong with the right engine.

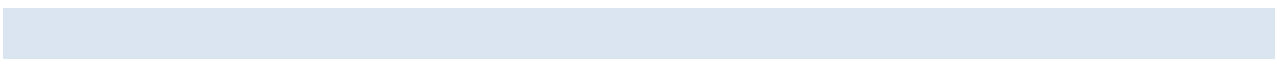
Depending on whether the situation is serious or not, the wheelchair may stop working. During certain situations, the wheelchair must not be used.

MALFUNCTIONS AND SOLUTION OF PROBLEMS

- There is a diagnostic indicator in the control panel. When the light is green, it means that this wheelchair has no problems. When there is something wrong, it will be reported by flashing.
- If the indicator light indicates that there is a fault, the user should turn off the power supply and then turn it back on.
- If the function after starting again is not eliminated and the lamp repeats this pattern, see the diagnostic information, it can help you find possible problems and corresponding solutions.
- If the above methods still cannot help you troubleshoot, contact your dealer.

Diagnostic code	Problem	Action
Lamp flashes slowly once	Left engine, Hall sensor failure	Check soldering and fastening the cable between the motor and the control box.
Lamp flashes slowly twice	Right engine, Hall sensor failure	Check soldering and fastening the cable between the motor and the control box.
Lamp flashes slowly three times	Battery or charger failure	Try to load Check if the plugs or cables for the battery or charger are attached.
Lamp flashes slowly four times	Left motor failure	Make sure that the plugs for the power supply, motor and control box are securely attached.
Lamp flashes slowly five times	Right motor failure	Make sure that the plugs for the power supply, motor and control box are securely attached.

Lamp flashes slowly six times	Left brake failure	Make sure that the plugs for the power supply, motor and control box are securely attached.
Lamp flashes slowly seven times	Right brake failure	Make sure that the plugs for the power supply, motor and control box are securely attached.
Lamp flashes slowly eight times	Control box Error	Contact your dealer
Lamp flashes slowly nine times	Communicative errors	Make sure that the cables and plugs for the Joystick are correctly seated.
Lamp flashes fast four times	Overheating left engine	Decoupling the engine can solve the problem. Wait for it to cool off.
Lamp flashes fast five times	Overheating right engine	Decoupling the engine can solve the problem. Wait for it to cool off.



USE THE JOYSTICK TO CONTROL THE WHEELCHAIR



Warning

- When in a hurry, do not make any sharp turn or quick stops.
- Ignoring the warning may result in damage to the wheelchair or user.
- The joystick can control the direction smoothly. It is equipped with 360 ° mobility, which is easy to use. There is a spring in the joystick, so that it can return to the center of the initial state automatically.
- Push the joystick in the direction you want to go, the joystick has proportional control. Speed is limited within 6 km/h (3.75 miles per hour).
- If you want to brake, just drop the joystick. The wheelchair automatically slows down and corrects the direction in the minimum direction.
- When using the wheelchair at the beginning, you should have low speed and push the joystick slightly forward. This exercise will help you learn how to control the wheelchair step by step and get acquainted with how to control and master the methods of running your Flexlife.

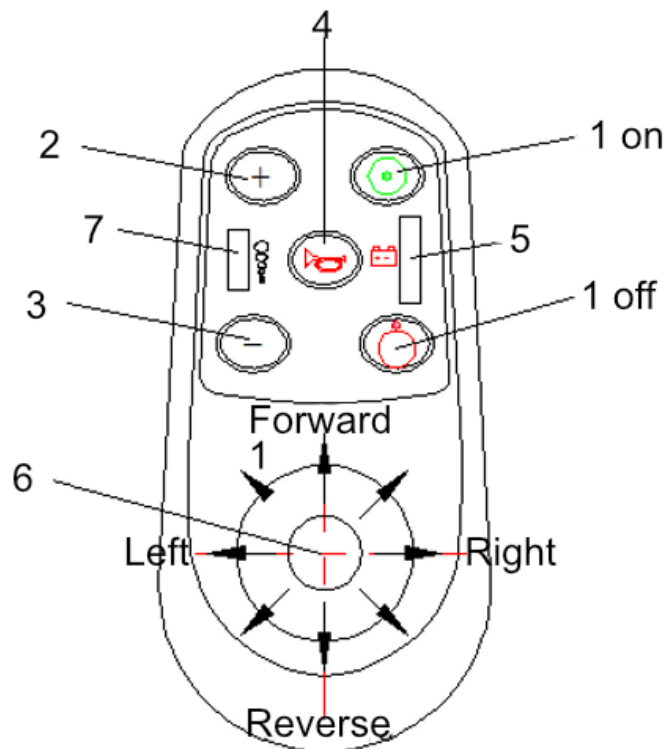
To start, please do as follows:

1. Turn on the power supply. See the previous section on "press the off/on button".
2. Adjust the control panel for the appropriate settings.



Warning

The joystick and control unit are programmable to change driving characteristics. This reprogramming may only be carried out by an approved technician, dealer or representative of Decon Wheel AB.



1. Power on/off button:

- Press this button, turn the power supply on/off.

2. Increase speed

- Press this button to increase the maximum speed. Maximum speed is 6 km/h (3.75 miles per hour)

3. Decrease speed:

- Press this button to decrease speed.

4. Horn:

- Press this button and the horn will sound.

5. Battery indicator light:

- View the battery charge status.

6. Direction (joystick):

- The joystick controls the driving direction and speed of the wheelchair.

7. Indicator light for speed/error information:

- Speed is shown in five (5) steps. The display also show eventual errors with 10 different signals, please see page 33.

SIGNALHORN

- Press the signal button when you need to call attention.

USING THE BRAKE



Warning

- After adjustment, repair or maintenance, make sure that all accessory parts are properly installed before use, otherwise it may cause damage.
- Do not open or close the electromagnetic brake while the power is on.
- By decoupling the electromagnetic brake, it is easy for helpers to run the chair manually.

To switch off/on the electromagnetic brake, find the engine's electromagnetic brake lever and do as follows:

- Switch on the electromagnetic brake (lock the wheels): move the brake lever backwards on both wheels. (Fig. 1)
- Switch off the electromagnetic brake (disengage the wheels): move the brake lever forward on both wheels. (Fig. 2)

Fig 1

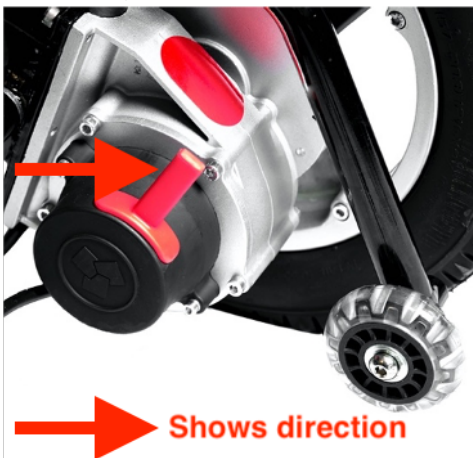
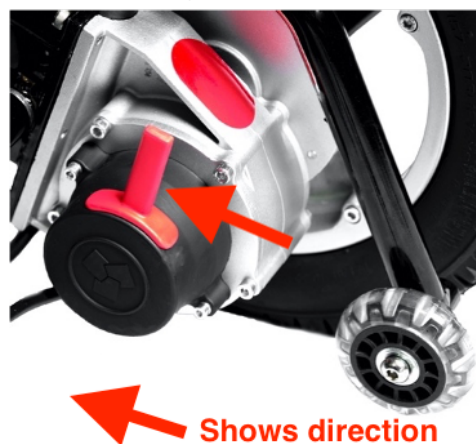


fig 2



BATTERY



Warning



- Do not use batteries with different capacities, different brands and different types.
- Replace the battery completely; do not mix the old and new batteries.



- Metal or such types of conductive materials cannot be used to connect the positive and negative poles of the battery.
- If the connection leads to a short circuit, you may receive an electric shock and cause damage.



- Do not expose batteries to heat sources, such as fires or sparks, etc.
- Do not transport the battery with flammable or combustible materials together.
- Do not dispose of flammable material.



- There are corrosive chemicals in the battery, it is forbidden to dismantle the battery.



- Do not short-circuit batteries or throw the battery into flames, to avoid explosion.



Warning

- Do not attempt to use pliers or cable wire to connect the ends of the battery directly.
- Do not use the wheelchair when charging.
- Do not use non-standard power supplies (e.g. generators or inverters), including non-compliant voltage and frequency converters.
- Prevent the power cable from bending sharply, especially in connections.
- Keep children and pets away from the power cord. Hold the plug when you unplug the power cord.
- If the switch (circuit fuse) releases many times when charging, please disconnect the chargers immediately and contact your dealer or professional technical staff.
- In this manual, all warranty and performance refers to lithium batteries.
- Do not smoke or ignite other substances near the battery.

- It is forbidden to use the battery in too hot or cold environment (outside the recommended temperature zone).



Warning

- When the new battery packs are used for the first time, they must be fully charged (approximately 24 hours).
- Before daily use, the user should check if the charging is sufficient or not, charge in time.
- After the first time, the charging should be about 5 hours. When the battery is completely exhausted, the charging time should be 6 to 8 hours, until the light on the charger changes from red to green.
- Charge the battery frequently as long as the electric wheelchair is used. Charge the battery after use until it is full. If you don't use your Flexlife for a long time, recharge the batteries every two months, each time to about 80%. It will damage the battery if it does not get charged for a long time.
- Using batteries with the wrong specification, voltage or capacity will damage your Flexlife.

REMOVE AND INSERT BATTERY



Warning

Make sure the power is turned off before performing this action.

Remove the battery:

- Press the lock button (as shown in Fig. 1),
- Then pull the battery handle (as shown in Fig. 2).
- Pull the battery out of the battery tube.

Fig 1

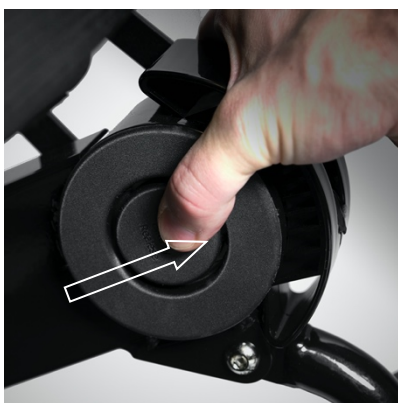


fig 2



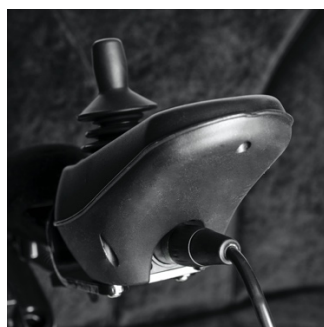
fig 3



CHARGE THE BATTERY

- Use available standard ac current (AC 110-220 V, 50-60 Hz) for charging, the charging port is located on the front of the joystick/control panel.
- Make sure the power on the wheelchair is turned off before charging.
- Insert the charging plug on the charger into the charging port. Or charge the battery directly with the supplied adapter.
- Insert the other cable into the charger into the power outlet. If the red indicator is lit, it indicates that it is charging.
- After the charging indicator has changed from red to green, continue charging for 30 minutes to ensure full charging. First unplug the external power supply on the charger, and then unplug the control panel.

Laddport joystick	Charging through joystick	Separate battery charge in wheelchair, using the included adapter.	Battery connected to charger with the included adapter.
-------------------	---------------------------	--	---



CHARGING STATUS CHECK

- Each battery can be checked separately to ensure charging status.
- Press the blue button on the front of the battery and read the LEDs. They represent 20%, 40%, 60%, 80% and 100% charge.



OVERCHARGE PROTECTION

- When the battery in the wheelchair is completely empty, the overcharging protection device will protect the charger from excessive discharge.
- Users should be aware that the maximum charging speed will decrease when overcharging protection is enabled.

POWER PROTECTION

- The electric wheelchair is also equipped with a power protection device. If the power supplied to the engine is too high, the electronic fuse switches off the power.
- If there is a fault while driving, the overcurrent guard switches on and the motors stop rotating. In this process, the fuse will turn off the power and prevent the engine from being damaged by overheating. (See the control panel section)

BATTERY CLEANING



Warning

- Check to see if the battery box and terminals of the battery are corroded or not.
- Use battery cleaning tool, medium sandpaper to clean the battery port.
- Note: After cleaning, the above parts should be dry.
- Thoroughly clean everything from dust and metal particles.
- Do not touch the battery materials with your skin or clothing. It contains an acidic material and can lead to harmful or destructive burns. If you touch the materials, immediately wash the skin thoroughly with cold water. If it is serious or you have got it in your eyes, please contact your doctor immediately.

STORAGE OF FLEXLIFE

- Turn off the power and remove the batteries
- Store Flexlife in a place with normal indoor temperature and low humidity.
- Avoid storage in direct sunlight or in places where the temperature may be high.
- To wipe off dirt or stains before storage, use a tightly twisted towel.

If Flexlife is not to be used for a long time, leave the battery in the machine but with the power switched off. Make sure Flexlife is working properly every month.

After storing Flexlife, the following must be checked before use:

- Battery status, charge if necessary
- Brake function and joystick, check that these are working properly.

CARE AND CLEANING

- If Flexlife gets dirty due to normal use, clean Flexlife with a damp, tightly twisted towel.
- If Flexlife is heavily soiled, use a towel and a neutral cleaning agent.
- Make sure that no cleaning agent remains on Flexlife after cleaning.
- Flexlife is conveniently disinfected by using a cloth with alcohol.
- Never flush Flexlife with water hose, high pressure cleaner. Do not use a steam cleaner to clean Flexlife. The electronic devices may be damaged, which can lead to serious malfunctioning
- Do not clean with solvents such as petrol or thinner. This can damage the paint and plastic parts on Flexlife

MAINTENANCE BY USER

Use a copy of this page to note when and by whom the controls are performed.
Save the protocol.

The following checks shall be carried out every 12 months after first use.

If you as a user or assistant feel that something needs to be addressed between service intervals, please contact your ordinator.

Summary	Noise, pinched parts		
	Glitches in drive.		
	Control, tightening of screws		
	Dirty contacts on the battery		
	Cables, visual inspection after damage		
	Cables, control of connections		
Battery and charger	Cables, visual inspection after damage		
	Cables, control of connections		
	Battery, visual inspection after damage		
Joystick	Cables, visual inspection after damage		
	Cables, control of connections		

LIFE EXPECTANCY

The life expectancy of Flexlife is a minimum of five years, provided that it has been used and serviced in accordance with the instructions in this manual.

REPAIRS

- The user must not repair or service Flexlife himself.
- The user must not remove and send parts of Flexlife to the dealer for repair.
- If necessary for repair, contact your dealer even if the fault is of a less serious nature.
- If parts are damaged or missing, contact your dealer immediately. Return Flexlife to your dealer to have parts replaced or repaired.
- For normal maintenance, repair or service, always contact your dealer. If Flexlife is not repaired or all parts are not used during installation, the user, persons in its surroundings or property may be injured.
- To carry out repairs and service, the dealer uses the service manual, the spare parts catalogue and other documentation. This documentation is not available to the user and the public.

TRANSFER TO ANOTHER USER

If your Flexlife is prescribed as a medical device and should be transferred to another user, all technical documentation must be provided. Flexlife must be cleaned, disinfected and serviced by a professional.

PRODUCT DATA

Model and class	D9, medical device wheelchair class B
Size folded	580 x 345 x 780 mm (LxWxH)
Size raised	930 x 590 x 980 (LxWxH)
Maximum user weight	150 kg
Engine	2x250W
Type	Brushless DC motor
Operating voltage	DC 24V
Braking system	Intelligent electromagnetic
Battery	2x24V à 6Ah
Type	Lithium
Charger - Type/contact	assist type/European standard, 2-pole
IN	AC 100-220 V, 50-60Hz
UT	DC 24V, 2A
Front wheel	8" × 1.77" (200 mm x 45 mm)

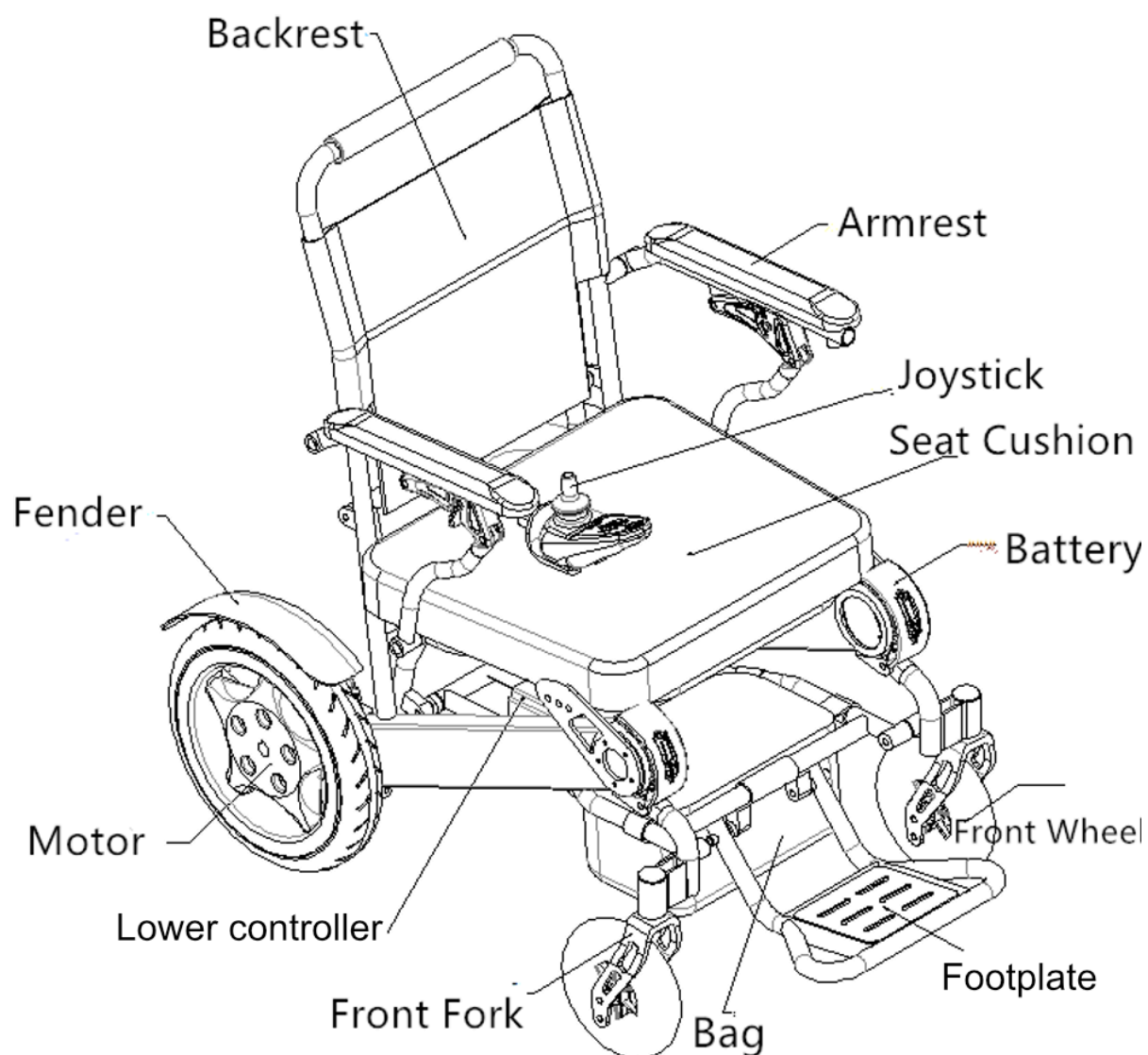
Type	PU solid
Rear wheelmethers/tyre	12.5" x2.25"(320 mm x 57 mm)
Type	PU solid
Weight without battery	23.5 kg
Weight with two batteries	26.5kg
Max slope	10°
Scope	25 km*
Maximum speed	6 km/t
Turning radius	835 mm
Obstacle taking	50 mm

* The range may change depending on temperature, surface, user weight, etc.

SCOPE OF DELIVERY

The delivery of Flexlife includes the following:

- A Flexlife
- B Joystick (found in front storage compartment)
- C Seat cushion
- D Tipping guard
- E Seat belt (found in front storage compartment)
- F Tool kit (found in front storage compartment)
- G Manual (found in front storage compartment)
- I Battery x 2 (these are supplied in separate carton)
- J Charger
- K Adapter cable for charging separate battery (found in front storage compartment)



WARRANTY

SCOPE

- The warranty period for Flexlife is 2 (two) years from the date of purchase
- If there is a material or manufacturing defect on your Flexlife during this warranty period, the defective parts will be replaced or repaired free of charge. The warranty covers the seat unit and charger.
- Consumable parts such as back cushion, seat cushion, armrest foam, backrest foam, decorative parts, batteries and tyres are excluded from this warranty.
- This warranty does not cover faults caused either by intentional user misuse or careless use, such as errors caused by use other than that specified in this manual.
This warranty also does not cover defects resulting from modification of the device or continuous use under conditions other than the specified conditions, such as exceeding the maximum weight, etc.
- Scratches, lustrelessness and dirt on the surface of the product as a result of normal use are not covered by the warranty.
- If warranty repairs are necessary, contact the dealer where you purchased the device.
- The life expectancy of the complete product is (excluding wear parts) 5 years from the date of sale.

PRODUCT SAFETY AND RECALL INFORMATION

Contact the dealer where the device was purchased or the manufacturer of Flexlife for information about product safety and any recalls.

INCIDENT MANAGEMENT

If you have an accident or other incident involving Flexlife, please inform Decon Wheel AB as soon as possible so that we can handle the matter and report to interested parties.

CONTACT

Manufacturer	MANUFACTURER'S AUTHORIZED REPRESENTATIVE	Importer
JBH Medical App. Co., Ltd.	Freeborn AB	Decon Wheel AB
Qinhuai Rd. 61, Jiangning Economic and Technological Development Zone, Nanjing, Jiangsu, China	Olof Johanssons väg 6 388 30 Ljungbyholm Sweden	Södra Ekeryd 119 314 93 Hyltebruk Sweden
	0721-604080	0345-408 80
	info@swedishgoliat.se	info@decon.se
	www.swedishgoliat.se	www.decon.se