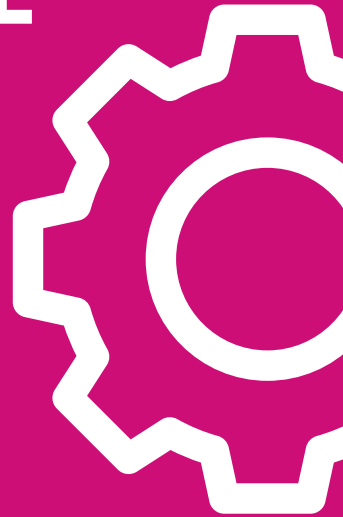


# MAINTENANCE MANUAL

Read this manual BEFORE using this product  
and retain it in case it is needed



Version 1  
Edition - August 2022

STAMP AND SIGNATURE  
OF DEALER



LABEL  
SERIAL NO.




# GENERAL REMARKS

## INTENDED USE

Combining precision, manoeuvrability and safety, Mobili Kit is a compact and adjustable motorised platform able to accept all types of common chairs (kitchen chair, lounge chair, armchair, garden chair, dressing chair, etc.) and transform them into an indoor motorised chair. With Mobili Kit, your favourite chair becomes an efficient and easy-to-use means of getting around. Designed to meet the practical needs of users seeking independence and mobility, it will be the ideal and reliable companion to take you everywhere and give you freedom around your home or work place, even in tight spaces. The footrests lower to floor level and the back lifts up, making it easy for you to get up. Making the chair mobile avoids major, even exhausting efforts, and allows sustained activity without getting tired, especially without the risk of falling.

Users must follow general safety and use instructions. *Benoît Systèmes* reserves the right to change the product specifications without prior notice.

 Please avoid using the Mobili Kit before receiving instructions about the equipment from an approved dealer.

For any question about the use, servicing or safety of your equipment, contact your dealer. If you have any other questions, you can write to or telephone:

*Benoît Systèmes*, 7 Rue du Pont, 21450 Billy-Lès-Chanceaux, France  
Tel: +33 (0)380 965 125 / Fax: +33 (0)380 965 357  
[export@benoitsystemes.com](mailto:export@benoitsystemes.com)

## INDICATIONS

Use of this motorised chair is recommended in cases of total or partial inability to get around at home or at work.

Mobili Kit suits people with reduced mobility, following balance disorders or cachexia, spasms or joint injuries, illness, heart failure and circulatory deficit, a stroke, brain damage, neurological disorders such as multiple sclerosis or Parkinson's disease, the loss or deformity of a limb.

In some situations, the required conditions must take into account all the factors for which the Mobili Kit motor unit provides a relevant response. A PM&R physician (*Physical Medicine and Rehabilitation*), assisted by an occupational therapist or physiotherapist, will assess the suitability of the adaptable solution for the patient's condition and environment, as well as their physical and cognitive abilities. A validation test could be performed in the presence of the multidisciplinary team and the patient. The purpose of this test will be to confirm suitability between:

- The patient's physical and cognitive abilities, which must enable them to operate the equipment safely,
- The equipment itself in response to the need to compensate for the disability in this case.

Users must be mentally and physically capable of using a control unit to operate a motorised chair and its features safely.

## CLINICAL BENEFITS

Mobility is a balance between quality of life and socialisation. MOBILI KIT thus offers a tailor-made solution to people with reduced mobility, enabling them to reduce and compensate for their disability, to gain independence in their daily activities, to modulate effort, to avoid unnecessary fatigue and to prevent falls. By choosing the right seat that the user used to seat, this indoor motorised chair adapts perfectly to his disability and morphology.

## CLASSIFICATION

This equipment is designed for use indoors and over short flat distances outdoors, given that some of its features may be restricted outdoors.

## SERVICE LIFE

*Benoît Systèmes* considers a service life of five years as long as the product is used for its intended purpose and obeying use, safety and maintenance instructions. However, this service life can be exceeded when the product is serviced and maintained carefully and used cautiously, appropriate to its technical specifications.

The service life may also be considerably shortened following extreme or inappropriate use. The service life set by our company does not constitute an additional guarantee.

## SYMBOLS USED IN THIS MANUAL


In this manual, hazard statements are indicated by symbols. These symbols are accompanied by a warning indicating the risk level.

### WARNING









Indicates a dangerous situation that, if not avoided, is likely to cause severe or even fatal injuries.












### CAUTION




Indicates a hazardous situation that, if not avoided, is likely to cause minor or slight injuries.

 Gives advice, recommendations and useful information for efficient, problem-free use.

## MEANING OF SYMBOLS APPEARING ON THE LABELS

<b>BENOIT SYSTEMES</b> 7, rue du Pont 21450 - BILLY-LÈS-CHANCEAUX www.benoitsystemes.com MADE IN FRANCE		 	
<b>MOBILI KIT</b>		Code UDI-DI/ 37 60 344 29 01 05	
		 INDOOR	 9 to 11 Km
		 120 Kg	 4 Km/h

	Read operating instructions carefully - Indicates the need for the user to read operating and safety instructions carefully
	Date of manufacture DD/MM/YYYY
	Serial number
	Indoor use
	Autonomy capacity
	Maximum user weight
	Maximum speed
	This product has been supplied by an environmentally conscious manufacturer. This product may contain substances that are harmful to the environment if it is stored in a location (exchange) that does not comply with the applicable legislation. - The "crossed out bin" symbol is placed on this product to encourage recycling where possible. - Please protect the environment by having this product recycled at the end of its life at a recycling centre.
	The company producing the packaging has paid a fee to Eco Emballage.
	Complies with the European RoHS Directive, which stands for "Restriction of use of certain Hazardous Substances" and aims to reduce the use of hazardous substances in the manufacture of electronic equipment.
	CE marking in accordance with Annex XII of the European Directive 93/42/EEC

<b>BENOIT SYSTEMES</b> <b>BATTERIES LITHIUM</b> LITHIUM BATTERY 25.2V 9Ah (227 Wh) 7 rue du Pont - Billy-lès-Chanceaux 21450 - FRANCE www.benoitsystemes.com (+33)3 80 96 51 25	No pas immerger la batterie dans un liquide Do not immerse in any liquid No pas exposer à des flammes ou une température supérieure à 50°C Do not expose to flames or temperatures exceeding 50°C / 122°F Utiliser uniquement le chargeur Benoit Systemes Only use the Benoit Systemes Charger	Les batteries fournies par Benoit Systemes possèdent les certifications suivantes : The battery supplied by Benoit Systemes comply with following certifications :   
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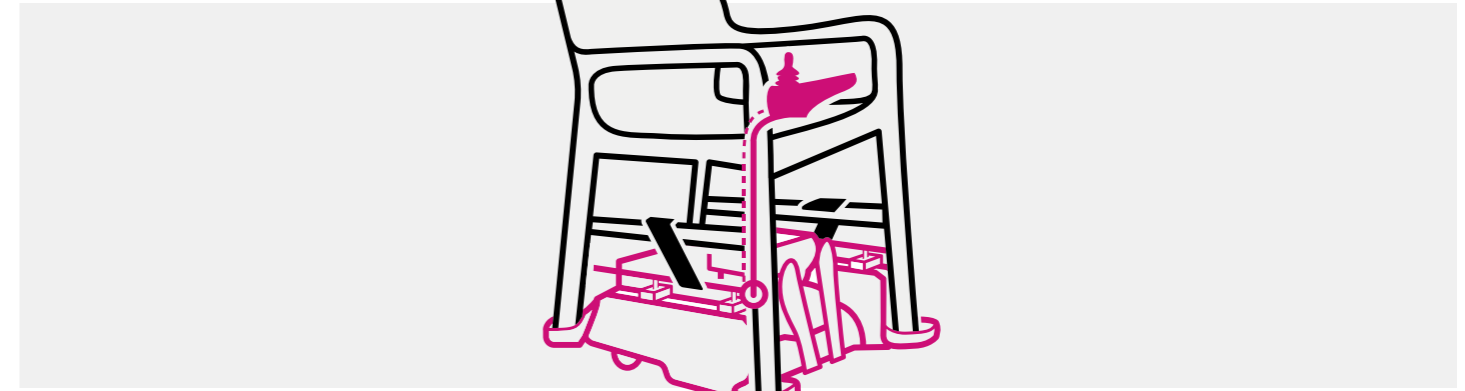
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## SPECIFICATIONS OF MOBILI KIT

### WARNING

It is prohibited to modify this equipment with the manufacturer's authorisation.

### GENERAL VIEW OF THE EQUIPMENT



### TECHNICAL SPECIFICATIONS

<b>Weight of the equipment</b>	20 kg
<b>Minimum dimensions</b>	58 x 41 x 23 cm
<b>Maximum weight of user*</b>	130 kg
<b>Maximum speed</b>	4 kph
<b>Maximum safe slope</b>	3° (approx. 5%)
<b>Maximum crossable obstacle height</b>	2 cm (with run-up)
<b>Possible dimensions of the platform based on chosen chair</b>	Adjustable: - From 25 to 75 cm at the front - From 25 to 68 cm at the rear - From 32 to 67 cm deep

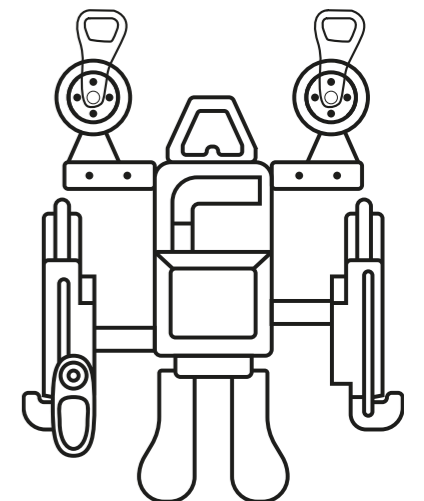
*\* If you exceed this limit, you might damage the chassis or fastenings of your equipment, which could cause serious injuries for you or someone else.*

### COMPONENTS

The Mobili Kit has several parts:

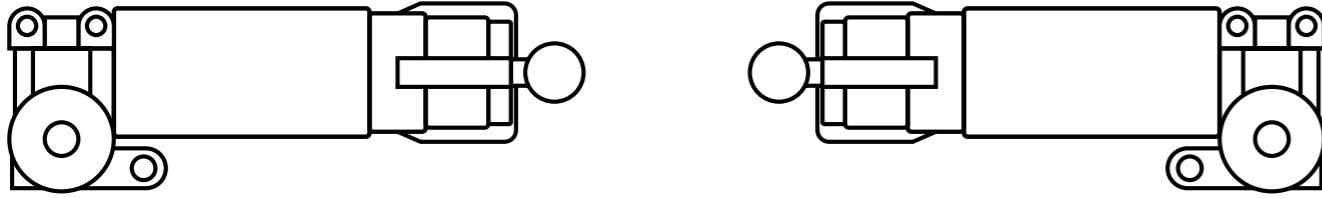
#### PLATFORM

Mobili Kit can be adjusted in three directions: front, back and depth. In this way, the equipment's dimensions can be altered to adapt and adjust it to different sized chairs (a chair with 4 separate legs must be chosen).

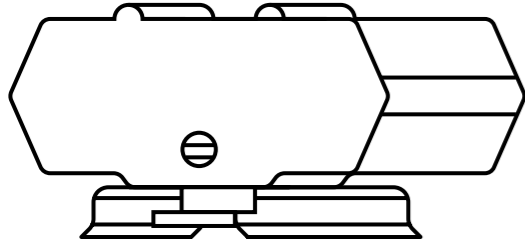


## MOTORS

Mobili Kit is fitted with two independent motors, one on each front wheel, managed electronically by connection to a control unit and powered by a 9 Ah Lithium battery.



The battery is supplied partially charged. Please charge it fully before each use.

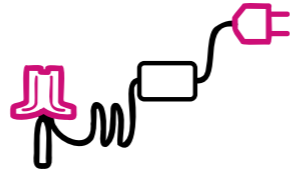


Lithium-ion battery	9 Ah, 227 Wh
Weight	3 kg
Battery life	4 days
Charging time	3-4 hr
Service life	When the battery is empty 1000 cycles (approx. 4 years)

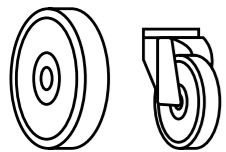
\* Battery life can vary depending on the ambient temperature, use of the chair lifting function and type of ground.

ⓘ Only use original batteries. We decline all liability for damage caused by using other batteries not supplied by us.

A 24 V Mascot charger is supplied with the battery.

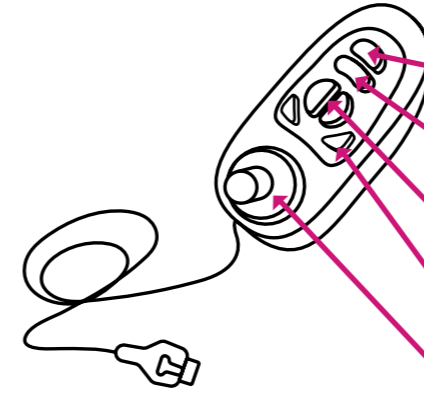


## WHEELS



Mobili Kit is fitted with solid wheels (not inflatable) on the front and rear, to facilitate moving about indoors. They require no maintenance.

## CONTROL UNIT



The Mobili Kit control unit controls direction, speed and jack of the motorised chair. It can be fitted on the right or left and is height-adjustable.

The 'Start/Stop' button delivers power to the electronic components: of the control system, which in turn power the motors and jack.

The audible warning allows the user to signal their presence in their environment in case of difficulties, obstacles or danger.

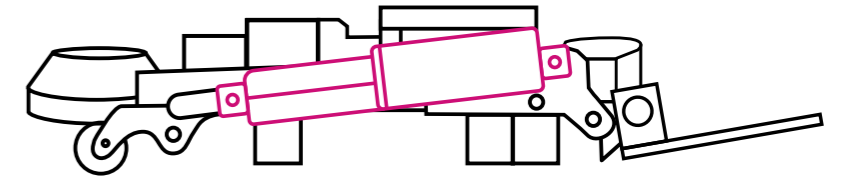
The speed control buttons increase or decrease the speed of the equipment (from 1 to 5).

The jack function is used to lower the footrests and raise the back of the chair.

The joystick is used to controls the chair's movements. By pressing the 'jack' button, the joystick then initiates two movements: lowering the footrests and raising the back of the chair.

## FOOTREST LOWERING AND CHAIR-BACK RAISING SYSTEM

The electric tipping system is operated using the control unit. It is possible not only to adjust the height of the footrests and to lower them to the floor but also, if necessary, to raise or lower the back of the chair to help you get up or sit down.



## CHAIR SECURING STRAP KIT

For safety reasons, a strap kit is supplied to secure the chair. Your *Benoît Systèmes* approved dealer will have told you about fitting them and using them.



Chair with bars



Chair without bars:  
use the side rails

ⓘ We recommend using the securing straps whenever the motorised chair is used.

# OPERATING PRACTICES

Before making your first journey, you should familiarise yourself with operation of the motorised chair and all the accessories. Take your time to test all the functions and operating modes.

## PROPERLY SEATED = SAFE OPERATION

Before each journey, check that:

- You are seated so as to have access to all the controls.
- The battery sufficiently charged for the journey you're planning to make.
- The chair securing straps are correctly fitted.

## How to move about?



Start moving by pressing the 'Start/Stop' button on the control unit once. This turns the power on. Pressing this button again turns off and deactivates the control unit. Any problem is signalled by flashing indicator lights on the control unit, preventing movement of the motorised chair.


The direction and speed are controlled by the joystick. Although the control system is relatively easy to use, a little practice will be needed to control the motorised chair properly at different speeds.

To move, just push the joystick in the direction you want to go. The joystick's distance from its neutral position determines the speed and radius of curvature of movement.

When the joystick is released it returns to the neutral position (central) automatically, the motorised chair's movement stops and the brakes are applied.

The speed the motorised chair can reach is set by the speed regulator. The user can select one of 5 possible speeds.

The speed is adjusted using the  or  buttons: 5 LEDs tell you the speed selected. When the 5 orange LEDs are lit, the maximum power is available (max 4 kph).

 For optimal comfort, remember to install a small ramp to cross obstacles.

When the equipment is used very intensively, the safety cut-out device for the motors is tripped. In this case, the equipment stops. You have to wait 2 or 3 minutes before the initial power is restored.

## How is transfer assistance used?

Press one of the two jack buttons marked with the chair symbol on the control unit: two orange LEDs light up when this function is activated.

### If you push the joystick forwards:

First the footrests are lowered then the back of the chair is raised (you can stop this movement at any time by releasing the joystick).

**Comment:** it is not possible to move when the footrests are on the floor. The speed indicator LEDs flash to remind you to raise the footrests before moving forward.

If you push the joystick backwards, the equipment returns to its original position and the footrests are raised.

To return to movement mode, press one of the two 'jack' or 'speed control' buttons.

## How to brake?

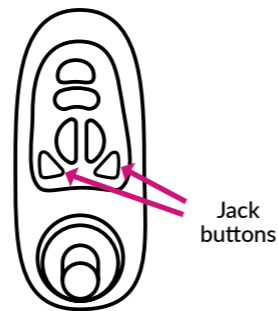
To prevent any uncontrolled movement of the motorised chair, the motors are fitted with automatic brakes that are applied under the following conditions:

- The start/stop switch is in the 'stop' position.
- The start/stop switch is in the 'start' position and the joystick is in the neutral position.

The brake is released automatically as soon as the chair starts moving, as the joystick is out of the neutral position.

**The safest and simplest way to stop your equipment is to release the joystick.** This will bring the motorised chair to a controlled stop. If the power supply fails, the **brakes are operated automatically.**

**When you need to push the motorised chair by hand, if it breaks down or in an emergency, the brakes must be disengaged. You must turn off the power supply first. A disengage button is located at the back of each motor and you just have to turn the button 1½ turns clockwise to disengage each brake. In this configuration, it is no longer possible to move with the equipment. The speed indicator LEDs flash to tell you the motors are stopped.**



# SERVICING AND MAINTENANCE

## ⚠ CAUTION

It is important to follow the maintenance schedule for the equipment to keep it in good condition.

## MAINTENANCE

### Wheels

- Inspect the wheels before each use. Damaged wheels can reduce grip, which could lead to losing control of your motorised chair. The wheels should be changed as soon as signs of wear or deterioration appear.
- Removing and refitting the wheels are crucial operations for safety. Please contact your approved dealer if you have to replace them.

### Cleaning the motor unit

- Once a week, run a vacuum cleaner around the wheels, to remove all accumulated dust. Remember to wipe the motor unit dry if it is wet or damp after having cleaned it or if it has picked up water or moisture during use.

## ⚠ WARNING

Never wash your Mobili Kit using a hose or pressure washer.

### Inspection of the chair used

A worn seat can cause poor posture or discomfort for the user.

### Cleaning the controls

Clean the control unit using a cloth moistened with dilute detergent.

## ⚠ WARNING

Ensure that the control unit is switched off and that the plug of the control unit is disconnected. Wash the control unit carefully. Never use abrasive or alcohol-based detergents.

## PERFORMANCE CHECKS

The user should regularly check the condition of the equipment to ensure it is used safely.

After having cleaned or repaired the motor unit, you must always check it is working correctly before using it.

- Turn in the manual control – Do the indicator lights flash? If they do, this means there is a problem in the electronic system.
- Test the parking brake on a flat surface with clear space of at least 1 m around the motorised chair: connect the control unit, check that the battery indicator remains lit or flashes slowly; after a second, push the joystick gently forward until you hear the parking brakes activate (it is possible that the vertical will move forward), then immediately release the joystick.
- Repeat the test a further three times, pushing the joystick gently back, left and right.
- Activate all the electrical options, including the audible warning, to confirm they are working correctly.
- Use the motor unit in all operating modes to confirm that it functions as before.

## ⚠ CAUTION

If in doubt about the performance of your motor unit, contact your approved dealer.

It is recommended that the items shown in the table are inspected at the stated intervals.

Your approved dealer should repair or replace loose, worn, distorted or damaged parts before using your motor unit.

## TROUBLESHOOTING

Maintenance and inspection programme	Daily*	Monthly	Quarterly	Annually
If necessary, check the battery charge indicator and the charger	●			
Check that the joystick on the control unit is neither distorted nor damaged	●			
Check that all the parts and components are firmly attached	●			
Test the motor brake	●			
Inspect the condition of the fastenings and wheels	●			
Check that the joystick is securely fixed	●			
Inspect the condition of the seat you use		●		
Inspect all the bolts, nuts and fastenings to confirm they are not damaged or loose. Contact your dealer.		●		
Full inspection, safety check and service performed by a <i>Benoît Systèmes</i> approved dealer				●

\* Every day, before each use

Correct maintenance will improve your motor unit's performance and extend its service life, as well as reducing the risk of an accident.

## WASTE MANAGEMENT

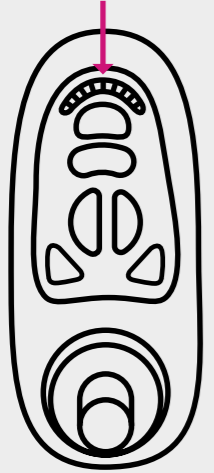
- The equipment's packaging goes to recycled materials.
- The metal parts go to old metal recycling.
- The plastic parts go to plastic recycling.
- The electrical parts and printed circuits go to electronic waste.
- Worn out or damaged batteries are taken back by your medical equipment shop or by *Benoît Systèmes*.
- Waste should be managed in accordance with the appropriate national legal requirements in force.
- Ask your local authority for information about suitable local firms.

The control unit dashboard is not lit or flashes	
Possible causes	Solutions
Battery incorrectly locked in place	Slightly remove the battery and re-engage it, then position the elastic
Cable of the control unit poorly connected or damaged	Check the connection, condition of the cable
Problem with the red connectors	Check the connectors are in good condition and the contacts correctly positioned
Battery fault	Refer to the section about the battery
Fault in a component of the motor unit	Count the number of LEDs flashing and contact your approved dealer
Contact was made when the joystick was not in the neutral position	Break the contact and turn on again
It is impossible to move the jack	Stop the motor unit to be able to operate the jack (the brakes must be on to use the jack)
The dashboard lights up normally but the motor unit doesn't work	
Possible causes	Solutions
The footrests are on the floor	Raise the footrests using the jack
The brakes are disengaged	Turn the disengage button anticlockwise
The power setting is too low	Increase the power
An obstacle is in front of the front or rear wheels of the equipment	Clear all obstacles from the environment
One or both drive belts are damaged	Contact your approved dealer
The motor unit is making a noise	
Possible causes	Solutions
A motor is faulty	Contact your approved dealer
A bearing is faulty	Contact your approved dealer
Some adjusting screws are loose	Tighten the screws
The battery unit is not supplying current	
Possible causes	Solutions
Battery discharged	Recharge it
Charger faulty	Contact your approved dealer
A connection is faulty	Check the terminals and connections
Dilapidated battery	Contact your approved dealer and replace it.



**CONTROL UNIT**

to diagnose the fault look **HERE**



**VR2 joystick fault code indicator**

1 LED	Low battery voltage
2 LEDs	Left motor faulty
3 LEDs	Problem in left motor wiring
4 LEDs	Right motor faulty
5 LEDs	Problem in right motor wiring
6 LEDs	Charger connected
7 LEDs	Possible joystick problem
8 LEDs	Possible problem in control system
9 LEDs	Possible brake problem
10 LEDs	High battery voltage
7 LEDs + speed	Communication problem
8 LEDs + jack LED	Communication problem

This diagnosis is only for guidance but once the fault code is seen, please contact your *Benoit Systèmes* approved dealer or our after-sales service: [sav@benoitssystemes.com](mailto:sav@benoitssystemes.com)

**TRANSPORT**

There follows a reminder so that you can keep the adjustment procedures for each chair used, in which you'll find the adjustment matching the original packaging.

For transport, it is best to:

1. Remove the footrests.
2. Disconnect the control unit and remove it with the tube. Remove the chair securing straps then remove the chair.
3. Remove the battery.
4. If necessary, remove the front and rear chair brackets by loosening the two screws D and 2 screws E (refer to the installation manual).
5. If necessary, remove the protective cover using the 3 knobs and loosen the 4 screws A by two turns (refer to the installation manual), then move the front wheels apart to remove the footrests.
6. Tighten the 4 screws A, then refit the protective cover.
7. The platform can be stored or transported easily.
- 8.

**Special transport conditions: the equipment can be transported by road, rail, sea or air.**

**⚠ CAUTION**

Before making your journey, contact the carrier. The organiser will provide information about any specific conditions/instructions. Check that the removable parts of the equipment are securely attached or separately packed and labelled to avoid them being mislaid during loading and unloading. Take this manual with you.

**The 9 Ah battery is compatible with air transport under current IATA Dangerous Goods Regulations.**

**STORAGE**

If the motor unit is not used for a prolonged period (more than a week), you should prepare it for storage in order to extend its service life and the battery lifetime.

Follow these instructions:

- We recommend storing the motor unit at a temperature of 15°C and avoid extreme temperatures in order to extend the service life of the motor unit and batteries.
  - The components are tested and approved for greater temperature ranges, described below:
    - \* The range of temperatures permitted for storing the motor unit is between -40°C and +65°C.
    - \* The range of temperatures permitted for storing the batteries is between -25°C and +65°C.
- Nonetheless, to guarantee long battery life, we recommend storing them at a temperature of 15°C.
- The batteries must always be fully charged before being put into storage.
  - For prolonged storage, the battery rack must be connected to the charger supplied every 3 months and fully recharged, to guarantee the operating capacity of the equipment.
  - Store them in a dry, well-ventilated environment protected from outside influences.
  - The battery used is lithium-ion type that, if handled correctly, does not leak and is maintenance-free.

**⚠ WARNING**

Never store your equipment:

- Outdoors.
- In direct light (the plastic components can discolour).
- Close to a source of direct heat.
- In a damp environment.
- In a cold environment.
- With the battery connected (even if the control unit is turned off).

**⚠ CAUTION**

After an extended storage period at low temperature (-25°C), it is possible for the motor to turn itself off after being turned on; this situation may persist for about 2 minutes, after which the product functions normally.

By following the instructions above, you will avoid complete discharge cycles of the batteries and will extend the operating life of the batteries when the equipment is returned to service.

# SAFETY AND HAZARD INSTRUCTIONS

## GENERAL SAFETY INSTRUCTIONS

### WARNING

Risk of damage to the equipment or serious, even fatal, injury if the control unit is used incorrectly.

- Undertake a test session with a healthcare professional before using a joystick.
- If you are not used to taking control by using a joystick, travel slowly and first familiarise yourself with the operating and directional characteristics of the motorised chair on a flat, unobstructed route.

### DANGER

Risk of damage to the equipment or serious, even fatal, injury.

- Dropping lighted cigarettes onto a padded seating system can start a fire likely to cause damage to the equipment or serious, even fatal, injuries.
- The occupants of a motorised chair are more particularly exposed to a risk of serious or even fatal injury associated with such fires and the resulting smoke, as they are not always able to get away from the motorised chair – Do not smoke when using this motorised chair.

### WARNING

Risk of damage to the equipment or serious, even fatal, injury.

- Inappropriate supervision or maintenance may result in damage to the equipment or serious, even fatal, injuries, following suffocation or ingestion of parts or materials.
- It is essential for children, pets or people with physical disabilities/learning difficulties to be supervised closely.
- Don't allow children or anyone else to use your equipment.

### WARNING

Risk of injury if the equipment is used for a purpose other than that described in this manual.

- The motor unit must be used in accordance with the manufacturer's instructions. It must not be used for a purpose other than that for which it is designed. Pay special attention to the safety instructions.

### WARNING

Risk of damage or injury if the motorised chair is started unintentionally.

- Do NOT sit on the motorised chair while adjusting it.
- Disconnect the power supply to the motorised chair before getting onto it, getting off it or handling objects.
- The brake disengagement mechanism must only be used in an emergency situation and if the power supply is lost.
- Do not push the motorised chair by hand when the brakes are applied and when the power supply is disconnected.
- Don't forget to reapply the brakes before putting the motorised chair back into use.

### WARNING

Risk of falling from the motorised chair

- Take the time to choose a suitable chair in which you can sit comfortably (stuffing, comfort cushion, armrests, takes up little space)
- Do not move forward on the seat, do not lean forward and do not stretch backwards beyond the top of the seat-back, such as to reach an object.
- The chair must not be lifted while the user is seated on the chair.

### WARNING

Risk of injury if operated under the influence of drugs or alcohol

- Never operate if you are under the influence of drugs or alcohol. If necessary, ask for help from someone else with appropriate physical and mental abilities.

### WARNING

Risk of injury if the contact is broken while the motorised chair is moving, such as after operating the start/stop button or disconnecting a cable, leading to the chair stopping suddenly and violently

- Never operate the stop button nor disconnect a cable while the motorised chair is moving, except in an emergency, because it stops suddenly.
- If you have to brake in an emergency, simply let go of the joystick to stop the motor unit.

### WARNING

Risk of damage to the equipment or serious injury

- Storing or using the motor unit close to a naked flame or flammable products can result in damage to the equipment or serious injuries.
- To ensure the equipment is reliable, avoid exposing it to extreme conditions, heat or humidity.
- Never store your electric motorised chair outdoors.
- To lift the equipment, with or without the chair, use only the accessory tubes.

### CAUTION

Risk of injury if the maximum permitted load is exceeded

- Do not exceed the maximum permitted load (refer to the Technical Specifications section).
- The motorised chair is only designed to accommodate a single occupant with a maximum weight not exceeding the maximum permitted load for this equipment. Never use the motorised chair to transport several people.

### CAUTION

Risk of injury in the event of inappropriate handling or fall of heavy parts

- During maintenance operations or when you are lifting certain parts of the equipment, consider the weight of each component, particularly the batteries. Ensure you always adopt the correct posture and don't hesitate to ask for help.

### CAUTION

Risk of injury caused by moving parts

- Ensure that the moving parts of the motorised chair, such as the wheels or joystick, do not cause injuries, particularly when children are present.

### CAUTION

Risk of fire or fault when connecting electrical equipment

- Do not connect your motorised chair to any equipment that has not been explicitly permitted by *Benoît Systèmes*. Rely on your *Benoît Systèmes* approved dealer for all electrical installations.

## SAFETY INFORMATION ABOUT THE ELECTRICAL SYSTEM

### WARNING

Risk of damage to the equipment or serious, even fatal, injury  
Inappropriate use of the motorised chair can result in smoke or sparks being emitted, and heat may be given off.

A fire is likely to cause damage to the equipment or serious, even fatal, injuries.

- The motor unit must NOT be used for any purpose other than that for which it is designed.
- If the motor unit begins to emit smoke, sparks or heat, stop using it and have it checked IMMEDIATELY.

### WARNING

Risk of injury or damage associated with short-circuits

The pins of the connectors fitted to the cables connected to the power module can remain live even when the system is stopped.

- Cables fitted with active pins must be connected, retained or covered (using non-conductive materials) so as not to be exposed to human contact nor to materials likely to cause short-circuits.
- When cables fitted with active pins have to be disconnected (e.g. to disconnect the bus cable from the control unit for safety reasons), ensure the pins are retained or covered (using non-conductive materials).

### WARNING

Risk of damage to the equipment or serious, even fatal, injury  
Corrosion of electrical components due to exposure to water or liquids can result in damage to the equipment or serious, even fatal, injuries.

- Reduce the exposure of electrical components to water and/or liquids.
- Electrical components damaged by corrosion MUST be replaced immediately.
- Motor units frequently exposed to water/liquids can require electrical components to be replaced more frequently.

### WARNING

Risk of serious, even fatal, injury

Failure to take note of these warnings can cause an electrical discharge resulting in serious or fatal injuries, or damage to the electrical system.

- The POSITIVE (+) RED cable from the battery MUST be connected to the POSITIVE (+) terminals/poles of the battery.
- The NEGATIVE (-) BLACK cable from the battery MUST be connected to the NEGATIVE (-) terminals/poles of the battery.
- Ensure that tools and/or cables are NEVER in contact with BOTH poles of the battery at the same time. This could cause an electrical discharge and damage to the equipment or serious, even fatal, injuries.
- Immediately replace cable(s) where the insulating cover is damaged, the cable(s) frayed or the lead(s) cut.
- Do NOT remove the fuse nor the fastenings for the red POSITIVE (+) cable from the battery and the fitting screw.

### CAUTION

Risk of damage to the motorised chair

A fault in the electrical system can cause unusual behaviour.

- In the event of a fault, turn the control unit off and back on again.
- If the problem persists, disconnect or remove the battery unit.
- If in doubt or for any question, don't hesitate to contact your dealer.

## SAFETY RECOMMENDATIONS ABOUT ELECTROMAGNETIC COMPATIBILITY

### WARNING

Risk of incorrect operation following electromagnetic emissions

- Do not use a portable transmitter nor communication device (radio devices or mobile telephones) or, as applicable, do not use them while the motorised chair is in use.
- Avoid going near powerful radio or television transmitters.
- If your motorised chair should start moving by itself, or if the brakes happen to be released, turn the equipment off.
- Adding electrical or other accessories or modifying the equipment risks making it subject to electromagnetic emissions/faults. Taken into account the fact that there is no really safe method to determine the effect of such modifications on the resistance to interference.
- Report to the manufacturer all undesirable movements of the motorised chair that occur, even the electric brakes being released.

## SAFETY INFORMATION ABOUT INSTALLATION

### WARNING

Risk of damage to the equipment or serious, even fatal, injury  
Prolonged use of a motor unit while not adjusted to comply with the specifications risk causing the motorised chair to become unstable and causing damage to the equipment or serious, even fatal, injuries.

- Performance adjustments must only be made by persons trained and authorised by *Benoît Systèmes*, who fully understand this process and the user's capabilities.
- After adjusting the motorised chair, ensure that it operates according to the parameters defined during the installation procedure. If the motorised chair does not operate according to the parameters, turn it off IMMEDIATELY and re-enter the installation parameters. If the motor unit continues not operating correctly, contact *Benoît Systèmes*.

### WARNING

Risk of damage to the equipment or serious, even fatal, injury  
Inadequately tightened or missing fastenings can cause the motorised chair to become unstable, resulting in damage to the equipment or serious, even fatal, injuries.

- After ANY adjustment, repair or maintenance and before use, ensure that all the fastenings are fitted and suitably tightened.

### CAUTION

Risk of damage to the equipment or serious injury

- When adjusting the position of the control unit, always ensure all screws are correctly tightened
- In the event of a problem adjusting the control unit, immediately turn off the motor unit's electronic system at the control unit.

### CAUTION

Pinch points can arise when making adjustments  
Be careful of your fingers.

### CAUTION

Check all the cables!



Damage caused to the cables of the motorised chair can cause safety problems and must be reported immediately to an approved service technician.

## SAFETY INFORMATION ABOUT OPERATION

### DANGER

Risk of damage to the equipment or serious, even fatal, injury.

- Adapt your speed to the environment in which you are travelling.
- The motor unit must not be operated when the chair is in an inclined position or if the footrests are pressing on the floor.

Any malfunction of the control unit is liable to result in unexpected/erratic movements leading to damage to the equipment or serious, even fatal, injuries.

- If an unexpected/erratic movement occurs, stop using the motorised chair immediately and contact a qualified technician.
- It is important that the joystick is replaced if it is damaged or weakened, as this could damage the control unit.

### ⚠ WARNING

Risk of injury if the motorised chair tips over.

- Refer to the technical specifications (maximum safe slope)
- As far as possible, avoid use on slippery, icy or oily surfaces when there is a risk of losing control of the motorised chair. If you cannot avoid travelling over such surfaces, move slowly and with the greatest care.
- Ensure that there are no objects in your path likely to damage the mechanism of your motorised chair.
- Never try to go over an obstacle when moving
- Avoid passing over thresholds more than 20 mm high while moving forward so as not to threaten your stability, and remember to arrange for a slope, if necessary.
- When you cross obstacles, always stay within the maximum obstacle height (refer to the Technical Specifications section).
- Never try to go down a series of steps with your motorised chair.
- Avoid making sudden movements of the control unit or sudden changes of direction while the motorised chair is moving.
- Never use the motorised chair to transport several people.
- Do not exceed the maximum total permitted load (refer to the Technical Specifications section).
- Remember that the motorised chair brakes or accelerates when you change the speed of travel while the chair is moving.
- Never use the function to raise the back of the chair on a sloping surface.
- It is strictly forbidden to stand on the footrests. If you have to stand on the footrests to get on or off the chair, lower them and rest them on the floor.

### ⚠ WARNING

Risk of damage to the equipment or serious injury  
Incorrect positioning when you lean forward or to the side can cause the motorised chair to tip over and cause serious injuries or damage to the equipment.

- To ensure your motorised chair remains stable and operates correctly, you must always maintain correct balance. Your motor unit has been designed to remain upright and stable during normal daily activities, as long as you do NOT go outside the centre of gravity.
- Don't try to lean forward to pick up objects on the floor.

### ⚠ WARNING

Risk of injury if your foot slips off the footrests and is jammed under the motorised chair while it is moving.

- Before starting the motorised chair, ensure that your feet rest correctly on the footrest plates.

### ⚠ WARNING

Risk of injury if you collide with an obstacle while passing through narrow passageways such as doors and entrances.

- Pass through narrow passageways at the slowest speed of travel and with the greatest care.

## IMPORTANT LEGAL INFORMATION FOR THE USER OF THIS PRODUCT

Incidents due to malfunctions of the equipment resulting in serious injury must be reported to the manufacturer and to the competent authority in which the user is located.

### IN FRANCE

• Manufacturer: Benoit Systèmes, 7 rue du Pont 21450 BILLY-LES-CHANCEAUX  
• Competent authority: ANSM, 143 Boulevard Anatole France 93200 SAINT-DENIS

### WITHIN EU MEMBER STATES

• Your dealer  
• National authorities responsible for incidents with medical devices

Herebelow the contact list of EU competent authorities : [https://health.ec.europa.eu/medical-devices-sector/new-regulations/contacts\\_en](https://health.ec.europa.eu/medical-devices-sector/new-regulations/contacts_en)

### OUTSIDE EU MEMBER STATES

• Your dealer

## SAFETY INFORMATION ABOUT MAINTENANCE

### DANGER

Risk of damage to the equipment or serious, even fatal, injury.  
Incorrect repair and/or maintenance of this motorised chair by users/carers or by unqualified technicians are liable to result in damage to the equipment or serious, even fatal, injuries.

- Do NOT undertake ANY maintenance task other than those described in this user manual. These repairs and/or maintenance MUST be carried out by a qualified technician. Contact a *Benoît Systèmes* dealer or technician.

### ⚠ CAUTION

Risk of accident and loss of guarantee if incorrect maintenance performed

- For safety reasons and to avoid accidents related to unnoticed past wear, it is vital that this motor unit should be checked once a year under normal use conditions.
- If used as part of medical care where the users of the motorised chair change frequently, it may prove appropriate to perform interim checks on the brakes, accessories and bearing components.

## SAFETY INFORMATION ABOUT MODIFICATIONS MADE TO THE EQUIPMENT

### ⚠ WARNING

Risk of damage to the equipment or serious injury

Using or replacing (maintenance) unsuitable parts is liable to result in injuries or damage to the equipment.

- Spare parts used MUST be *Benoît Systèmes* original parts.
- Ensure you always quote the serial number of the equipment when you order spare parts.

### ⚠ CAUTION

Using unapproved components or accessories is liable to result in injuries or to damage the motor unit.

Using accessories and parts not approved by *Benoît Systèmes* may alter the stability of the motorised chair to tipping and increase the risk of it tipping over.

- Use only accessories and parts approved by *Benoît Systèmes* for this equipment.
- Electrical and electronic components not approved by *Benoît Systèmes* for this motor unit are liable to cause fires and electromagnetic damage.
- Use only electrical and electronic components approved by *Benoît Systèmes* for this equipment.

Batteries not approved by *Benoît Systèmes* for this motor unit are liable to cause chemical burns.

- Use only batteries approved by *Benoît Systèmes* for this equipment.

## SAFETY INFORMATION ABOUT USING THE BATTERY AND CHARGER

**Only use original batteries. We decline all liability for damage caused by using other batteries not supplied by *Benoît Systèmes*.**

### ⚠ WARNING

Risk of explosion and destruction of batteries if the wrong charger is used.

- Only use the charger supplied by *Benoît Systèmes*.

### ⚠ WARNING

Risk of injury by electrocution and destruction of the charger if it is wet.

- The charger is designed for indoor use only and must be protected against moisture.
- Always charge in a dry environment. Do not expose the Mobil Kit with the battery unit fitted to moisture (water, rain, snow) during charging. Never charge the battery in rooms exposed to moisture.
- To avoid overheating, the charger should be put in a well-ventilated place where air can circulate and should not be covered.
- If condensation occurs, you should wait for the condensation to evaporate to use the charger.
- Do not use the charger plug and/or mains plug when they are wet or dirty. Clean the plugs with a dry cloth before plugging them in.

### ⚠ WARNING

Risk of injury by short-circuit and electrocution if the charger is damaged.

- Do not use the charger if it has suffered an impact or if it is damaged. Contact your *Benoît Systèmes* approved dealer.
- Do not dismantle and do not modify the charger.
- The charger must not be used by young children.
- Place the charger safely in a stable position on a flat surface.
- Protect the mains cable and charging cable to prevent

someone treading on or tripping over them.

- When charging is finished, first ensure the charger plug is removed from the socket and then remove the charging plug from the battery rack.

### ⚠ WARNING

Risk of damage to the charger

- Never carry the charger by its mains cable or its charging cable
- Never pull on the mains cable to unplug the charger.
- Unplug the charger when charging is completed.

### ⚠ WARNING

Risk of electrical discharge and damage to the batteries.

- NEVER recharge the batteries by connecting the cables directly to the battery terminals.

### ⚠ WARNING

Risk of fire and injury by electrocution if used incorrectly

- Only use an extension lead if it is absolutely essential. If so, first ensure that it is on perfect condition.
- Never charge the battery rack alongside or near flammable liquids or gases.
- Keep the battery rack away from fire.

### ⚠ WARNING

Risk of injury if the motorised chair is used while charging batteries

- Do NOT try to recharge the batteries and use the motorised chair at the same time.
- Do NOT remain seated in the motorised chair while charging the batteries.

### ⚠ CAUTION

Risk of damage to the batteries

- Check the battery charge indicator. Put the battery on charge after each use. The rate the batteries discharge depends on many factors such as ambient temperature, ground conditions, the user's weight and operating style.
- Using the motorised chair with the red indicator lights flashing places an extreme load on the battery and should be avoided under normal circumstances.
- The more a battery operates under difficult conditions, the shorter its life expectancy.
- Never charge the battery rack at temperatures below 0°C or above 40°C.
- Do not immerse the battery rack in water.
- Store the battery rack in a cool dry place, away from moisture and dust. Avoid storing the battery rack in the boot of cars parked in the sun.

### ⚠ CAUTION

- **Under weather conditions at -25°C, the battery indicator light can fluctuate in value but stabilises after 2 to 3 minutes.**
- **Never charge the battery at temperatures below zero: wait for it to get warmer after returning from a winter stroll.**

### ⚠ WARNING

Risk of injury when handling batteries.

- Do not puncture or drill into the battery. Only a qualified technician can carry out this work safely.
- Never place the battery rack on your thighs. If they are damp, current can pass and could cause burns.

### ⚠ CAUTION

Risk of corrosion and burns from a leak of acid if the batteries are damaged.

- Immediately take off any clothing soiled by the acid.
- In the event of contact with the skin, immediately wash the affected area thoroughly with water.
- In the event of contact with the eyes, immediately rinse the eyes under running water for several minutes and see a doctor.

**Scrapping worn out or damaged batteries:** First contact your approved retailer or *Benoît Systèmes* directly, as sending lithium batteries by post is strictly regulated.

#### CE marking

- Conformity was assessed and CE marking applied in compliance with Directive 93/42/EEC and only applies to the complete product.
- CE marking is invalidated if components or accessories are replaced or added without having been approved by *Benoît Systèmes* for this product.

### IMPORTANT INFORMATION ABOUT THE MAINTENANCE TOOLS

- Certain maintenance tasks described in the maintenance manual that can be performed by the user without problems require the use of appropriate tools. If you don't have these tools, we advise you not to perform these maintenance tasks. If necessary, we recommend contacting an approved specialist repair company immediately.

## GUARANTEE

The guarantee period for the motor unit, battery and charger is **24 months from the invoice date**. To make a claim against the guarantee, just make a note of the **serial number of your equipment** shown on the first page of this manual and **contact your approved dealer or *Benoît Systèmes***.

### TERMS & CONDITIONS

The guarantee is only valid if the product is used under the specified conditions and for the use for which it is designed.

The guarantee may not be applied if the product requires repair or replacement for one of the following reasons:

- The motor unit, or one of its parts, has not been maintained according to the manufacturer's recommendations, as stated in the User Manual, or parts other than those specified for this equipment are used.
- The motor unit, or one of its parts, was damaged as a result of negligence, an accident or inappropriate use.
- The motor unit, or one of its parts, has been converted or repaired before notifying the after-sales service department.

This guarantee is limited to the free-of-charge repair or replacement of parts recognised as faulty in the manufacturer's workshops or those of its representative (including labour and carriage). This repair may be performed using new parts of standard exchange parts, depending on the assessment made by the manufacturer or its representative. Work carried out under the guarantee does not extend the guarantee.

### LIMITS OF LIABILITY

*Benoît Systèmes* declines all liability for damaged related to:

- Failure to comply with the user manual
- Incorrect or improper use of the equipment
- Normal wear and tear
- Inappropriate storage of the equipment
- Incorrect assembly or dismantling by the purchaser or other parties
- Technical modifications on and in the equipment
- Unauthorised modifications and/or use of spare parts not manufactured or recommended by *Benoît Systèmes*.

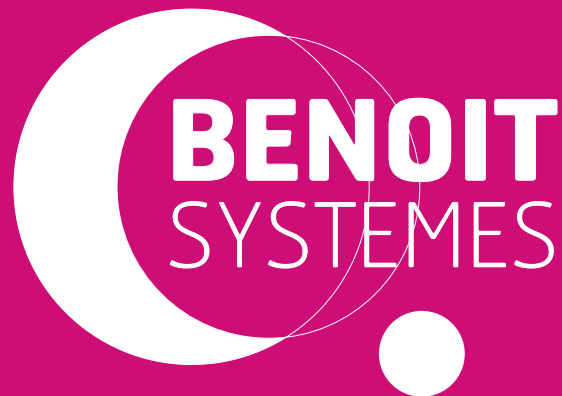
### CHECKS PERFORMED

The purpose of this section is to help you maintain a log of servicing and repairs performed on your equipment.

In particular, this information can be used by your after-sales service agent; this manual should therefore be handed to the agent with the equipment at each service or repair.

The technician who performs the work will complete this section and return to manual to you. Our equipment undergoes the most rigorous testing to guarantee that it meets our requirements for comfort, safety and durability.

MODEL	MOBILI KIT				
SERIAL NUMBER					
Year	1	2	3	4	5
Date					
Control unit					
Horn					
Start/Stop button					
Output plug					
Joystick					
Brakes					
Configuration of the unit					
Battery					
Level					
Connections					
Charge level					
Wheels					
Wear					
Bearings					
Wheel nuts					
Motors					
Cabling					
Connections					
Noise					
Brakes					
Frame					
Tightening of all screws					
Condition					
Steering					
Electrical equipment					
Connections					
Running test					
Forwards					
Backwards					
Emergency stop					
Turn left					
Turn right					
Climb/descend					
Crossing an obstacle					
Parking brake					
<b>Comment: use only <i>Benoît Systèmes</i> spare parts for servicing and repairs</b>					



Autonomy is power

Conception graphique : Eclio LINK - Novembre 2022 -  
Photos : Lionel Dupouy



This medical device is a regulated healthcare product that bears CE marking under these regulations. As manufacturer, *Benoit Systèmes* declares that this product is a Class I device complying with the safety and performance requirements of European Regulation (EU) No 2017/745 on medical devices.



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