



iFold

ELECTRIC WHEELCHAIR
WÓZEK INWALIDZKI ELEKTRYCZNY

USER MANUAL
INSTRUKCJA OBSŁUGI

1. PRODUCT DESCRIPTION AND APPLICATION

Electric wheelchair is designed for people who have problems with mobility, helping disabled patients with their everyday tasks. It can replace a standard wheelchair.

Electric wheelchair is suitable for patients with:

- disability, who have problems with unassisted movement,
- dysfunctions and reduced movement,
- heart and cardiovascular system diseases,
- weakening body due to advanced age.

2. SAFETY INFORMATION

- Read the manual before first use.
- Do not use the wheelchair until fully assembled.
- Use of the wheelchair by people who are unable to operate it independently is not recommended.
- Maximum load capacity must not exceed 150 kg.
- The wheelchair can only be used by one person at a time.
- It is recommended to keep your feet on the footrest and your forearms on the armrests when driving.
- Always check the battery level on the control panel before use.
- This electric wheelchair should only be used on a flat surface or at low elevations. It should not be ridden on a surface inclined at an angle of more than 6 degrees.
- Do not drive the wheelchair at maximum speed when going uphill or downhill.
- Do not use the wheelchair on soft and slippery surfaces such as mud, sand etc.
- Do not ride the wheelchair sideways on highly elevated areas.
- Do not put any additional load such as a trailer etc. on the wheelchair.
- Do not repair or modify the construction of the wheelchair by yourself. Use only original spare parts provided by the manufacturer.
- Do not stand up or sit down on the wheelchair when the control module is switched on.
- Do not use the wheelchair without anti-tip wheels.

- When the freewheel (manual) mode is on, do not get on or off the wheelchair without assistance.
- Do not lean forward to grab items laying in front, on the side or behind the wheelchair. Do not stand on the footrest. It might result in the wheelchair falling over.
- Avoid rapid changes of the direction while driving on elevations.
- Always slow down while driving downhill or making turns.
- Before use check if the wheels are correctly mounted.
- Do not make sudden moves while using the joystick.
- When storing, protect the wheelchair from rain and adverse weather conditions.
- Before turning on the wheelchair, make sure that the levers are set to electric mode.
- Avoid areas with horizontal gaps.
- If the wheelchair is not going to be used for a long period of time – remove the battery.
- Do not use the wheelchair on the road. It might result in a car accident.
- Do not store the wheelchair in places with high temperatures and humidity.

MEDICAL DEVICE INCIDENTS

Any serious incident involving a medical device must be reported to the manufacturer and to the competent authority of the European Union member state where the user or patient resides.

WHEELCHAIR INCLUDES SIGNIFICANT FUNCTIONS THAT CAN BE TURNED ON/OFF ON REMOTE CONTROLLER. FOR THAT REASON:



- **DO NOT** under any circumstances allow mentally impaired person or child to use remote controller or wheelchair.
- **DO NOT** allow unauthorized or untrusted person to use remote controller.
- **DO NOT** allow anyone to fold wheelchair while user is seated in it.
- **DO NOT** use children lock function while driving, especially outside (on sidewalk etc.).
- **DO NOT** allow any unauthorized or untrusted person to control wheelchair via remote controller.

Hereby, we declare that the importer is not liable for any accidents, injuries, or damages resulting from prohibited actions stated in manual instruction. Damages caused by prohibited actions are not covered by warranty.

3. GENERAL INFORMATION



Do not operate wheelchair without first reading manual instruction and understanding it. Manual instruction provides user with necessary information regarding safety regulations, maintenance and operation of the vehicle.



Do NOT modify, add, remove or dismantle any of the wheelchair parts or disable functions by yourself. Contact authorized importer service for repairs.

PRE-RIDE SAFETY CHECK

Every time before using the wheelchair, perform inspection of the wearing parts such as breaks, wheels etc.

WEIGHT LIMITATIONS



Do NOT exceed weight capacity (150 kg) of wheelchair as it may result in damages that are no covered by the warranty.

Do NOT carry other passengers on the wheelchair, it may result in instability of a scooter or/and accident.

DRIVING ON INCLINES



Do NOT drive wheelchair across an incline or diagonally up or down an incline.

Do NOT drive up or down a potentially hazardous incline (e.g., areas covered with snow, ice, cut grass, or wet leaves).

DRIVING ON DIFFERENT SURFACES

Wheelchair construction allows driving on both outside and inside type of surfaces (concrete, asphalt, floor etc.). However it is important to remember about few rules to avoid unnecessary risk of damaging the wheelchair.

- Reduce speed while driving on uneven surfaces,
- Avoid driving on grass, mud or loosely packed gravel or sand,
- Do NOT drive on slippery surfaces such as ice as it may result in accident,
- Do NOT drive on surfaces that are unstable,
- Avoid holes and ditches,

- Do not drive on public roads as it may result in vehicle accident. Drive only on sidewalks or special lanes for bikers.

STAIRS AND ESCALATORS

Wheelchair is not designed to travel up or down the stairs or escalator. It can be transported via elevator.

PRECAUTIONS REGARDING WEATHER CONDITIONS

Avoid exposing the wheelchair to inclement weather conditions such as extreme heat or cold, rain, or snow. If you are caught in such conditions while riding, seek shelter and allow the wheelchair to dry completely before continuing or before storing or charging it.



Surface temperature can increase when exposed to external source of heat (e.g. sunlight).

BATTERY PROTECTION



Always protect the battery from freezing. Do NOT charge battery that has been frozen. If battery is damaged or cracked, immediately contact the importer service and do not use the battery.



Do NOT change any circuit connections. **Any self-repairs are prohibited and might result damages that are not covered by the warranty.**

SYMBOL	MEANING
	Safety Classification type B
	Warning! Indicates a potentially hazardous condition/situation.
	Prohibited! Performing a prohibited action can cause personal injury and/or equipment damage. Damages caused by prohibited actions are not covered by warranty.
	Mandatory! These actions must be performed before usage. If user fails to perform the mandatory actions, it may result in personal injury or/and equipment damage

IP54	Protection against limited dust ingress and water spray from any direction.
	Read the manual instruction before operating
	Watch carefully for pedestrians
	Do NOT remove any parts or warning labels of the wheelchair
	Do NOT put fingers or limbs under covers or between movable parts. It may result in injuries
	Do not overload wheelchair. The maximum capacity of the scooter cannot exceed 150 kg
	Do NOT use wheelchair on stairs
	Do not use wheelchair in extreme weather conditions such as heavy rain, extreme humidity, icing etc.
	Warning! Wheelchair surface temperatures may be high
	Use only authorized importer service for repair in case of accident or/and damage to the parts
	Battery contains caustic substances. Dispose according to the local environment regulations
	Before driving, ensure that backrest is in upright position
	Use only lithium maintenance-free sealed batteries from manufacturer

	Keep tools and other metal objects away from the battery terminals. Contact with metal objects may cause an electrical shock
	Disposal and recycling For more information check “Storage and transportation condition” section
	
	The battery charger is for indoor use only
	Flammable materials Do not expose to the open flame
	MR Unsafe
	Consult professionals before using wheelchair in case of mental or physical impairments
	Maintain proper position while driving
	Maintain your focus while driving and avoid distractions
	Fragile
	Protect from humidity and moisture

4. PRODUCT INFORMATION

A. ELEMENTS OF THE WHEELCHAIR



- | | |
|-----------------------------------|------------------------------|
| 1. Headrest | 8. Flashlight/charger port |
| 2. Backrest with attendant handle | 9. Seat (cushion) |
| 3. Seat belt | 10. Mudguard |
| 4. Mesh bag | 11. Rear 12" pneumatic wheel |
| 5. Armrest | 12. Front 8" solid wheel |
| 6. Armrest folding button | 13. Footrest |
| 7. Control module with joystick | |



- 14.** Folding mechanism engine
- 15.** Back shock absorbers
- 16.** Engines and operation mode levers
- 17.** Anti-tip wheel
- 18.** Front and folding mechanism shock absorbers
- 19.** Lithium battery
- 20.** Wireless remote control

Wheelchair after folding:



B. PRODUCT CHARACTERISTICS

- Aluminium frame with electric folding
- Headrest included in set
- Pneumatic rear 12" and front solid 8" wheels
- Control module with LCD display and wireless control remote
- Safe and reliable electromagnetic brakes
- Fully closed, maintenance-free battery
- Security belt and anti-tip wheels
- Flip-up armrests and footrest
- Front, back and folding mechanism shock absorbers
- Mesh pockets for small goods located on the sides
- Pocket for goods located at the back
- Reflective stickers included
- Two modes of operation: electric and manual

C. TECHNICAL PARAMETERS



Wheelchair cannot be used in areas with flammable gas mixed with air, oxygen or nitrous oxide .

Note! Some parameters might vary depending on user weight, road conditions and battery usage.

Product code	iFold
Type	for indoor and outdoor use
Overall height	125 cm
Overall width	65 cm
Overall length	110 cm
Seat height from the ground	53 cm
Backrest height	58 cm
Seat cushion dimensions	47 x 47 x 6 cm
Headrest height from the seat	70-73 cm
Maximum capacity	150 kg

Battery weight	3,50 kg
Battery	lithium, 24 [V] x 20 [Ah]
Battery charging time	6-8 hours
Wheelchair weight	31,50 kg
Wheels	front: solid, swivel 8" back: pneumatic 12"
Maximum speed	≤6 [km/h]
Braking distance on horizontal surface	≤1,5 [m]
Maximum range	20 [km]
Max. angle of elevation	≤6°
Min. turning radius	1,2 [m]
Safety Classification	type B
Ingress protection level for engine	IP54
Engine power level	2 x 250[W]

D. ASSEMBLY AND ADJUSTMENT



The wheelchair cannot be unfolded/folded manually. Do not attempt to unfold/fold the wheelchair manually, as this may cause damage to its parts. The warranty does not cover damage caused by forceful, manual opening or unfolding/folding of the wheelchair.

- Before unfolding, please read the manual, section 5 – OPERATION, A. CONTROL MODULE/REMOTE CONTROLLER.
- **Unfolding:** Remove the wheelchair from the box. Place it on the ground and attach the control module under the armrest using the screw (the screw is located under one of the armrests). Connect the control module cable to the wheelchair cable and turn on the module. Then turn on the wheelchair by pressing power button (7A). Press and hold the wheelchair unfolding function button (7G). When the wheelchair enters P-1 mode on the display, press the “+” speed button (7D) to unfold it.

- **Folding:** To fold the wheelchair, press and hold folding button (7G). After wheelchair enters P-1 mode, press the “-” speed button (7C) to fold it.

Note! Do not press the button to fold the wheelchair if it is still unfolding. Do not press the button to unfold the wheelchair while it is folding.

- **Control module adjustment:** Adjustments should be made while seated. Loosen the mounting screw located under the armrest, adjust the position or length of the module, and then tighten the screw afterwards.

Note! Before adjusting the module, ensure that the cable connected to it is unplugged

- **Armrest tilting:** Press the red button located on the outside of the wheelchair to lift the armrest. To lower the armrest, move it downwards till you hear click sound.
- **Anti-tip wheels assembly:** Insert the wheels into the mounting openings located at the back of the wheelchair. Pull the locking screw and push the wheels in until you hear a click sound.
- **Removing the battery:** To remove the battery, unplug the cable connected to it and press the switch located under the battery. Then remove the battery. To reinsert it, repeat these steps.
- **Headrest mounting:** To mount the headrest, remove the screws located above the attendant handle on the special metal plate. Place the headrest so that the holes on the plate align with the holes on the headrest frame. Secure the headrest using the screws and assembly key included in the set.
Note! The height of the headrest can be adjusted by pressing the button located behind it.

5. OPERATION

A. CONTROL MODULE/ REMOTE CONTROLLER



- 1. Driving time
- 2. Drive distance
- 3. Battery level
- 4. Speed level indicator
- 5. Speed indicator (km/h)
- 6. Joystick
- 7. Operation buttons:
 - A. Power ON/OFF
 - B. Mute/Unmute
 - C. Speed level down (folding)
 - D. Speed level up (unfolding)
 - E. Horn
 - F. Light ON/OFF
 - G. Function 1: Folding/unfolding
 - H. Function 2: Reclining



- 8. Joystick
- 9. Horn
- 10. Power ON/OFF
- 11. Speed level up (function 1)
- 12. Speed level down (function 2)
- 13. Function: Backrest reclining
- 14. Function: Children lock OFF
- 15. Function: Children lock ON
- 16. Function: Wheelchair folding/unfolding

B. REMOTE AND MAIN CONTROL MODULE FUNCTIONS

Desc. on display	Function	How to use function
P-1	Wheelchair folding/unfolding	When control module is turned on, press and hold the function: folding button (7G). Wait until display shows P-1 function to: - To unfold it, press the speed button (7D, +) - To fold it, press the speed button (C, -) Warning! Do not try to unfold the wheelchair while it is still folding! Do not fold wheelchair while user is seated on it! Wheelchair cannot be unfold manually
P-2	Wheelchair backrest reclining	When control module is turned on, press and hold the function: wheelchair reclining (7H). Wait until display shows P-2 function to: Push joystick forward or backward to adjust the position of the backrest (angle of adjustment: 0-55°).
n/d	Remote controller wheelchair folding/unfolding	When control module is turned on, press power ON/OFF (10) button to turn ON the remote controller. Press the function: wheelchair folding/unfolding button (16). After it lights up green: - To unfold, press and hold the function button 1 (11). - To fold, press and hold the function button 2 (12). Warning! Do not try to unfold the wheelchair while it is still folding! Do not fold wheelchair while user is seated on it! Wheelchair cannot be unfold manually
n/d	Remote controller backrest reclining	When control module is turned on, press and hold power ON/OFF (10) button to turn ON the remote controller. Press the function: backrest reclining (13). After it lights up green: Press function button 1 or 2 (11/12) on remote controller to adjust the position of the backrest (angle of adjustment: 0-55°).
n/d	Children lock function – remote controller and main module	Wheelchair control module and remote can be blocked with remote controller to protect unattended children or mentally disabled patients. Press the children lock ON button (15) to turn ON function. To unlock function, press children lock OFF button (14). NOTE! Lock function can be also turned off via main control module (it cannot be turned on on main

		module). To turn OFF the lock function, press simultaneously horn (7E) and mute/unmute (7B) button for 15 seconds.
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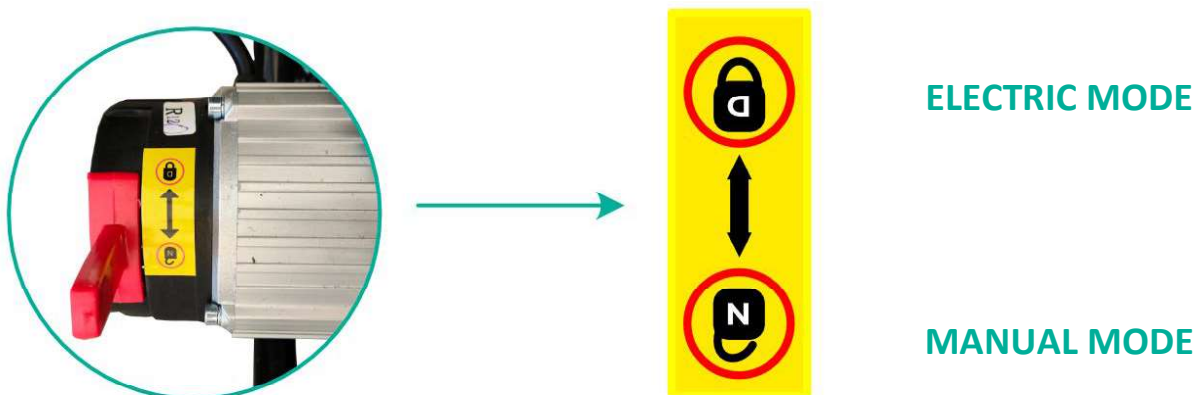
C. WHEELCHAIR CONTROLLERS DESCRIPTION

Function	Displayed icon	Description
Battery level (3)		Shows current battery level. Green – high battery level, red – low battery level (charge immediately). When the battery indicator is flickering/flashing it means wheelchair requires battery charge.
Driving time (1)		Shows current driving time. Resets after wheelchair control module is turned OFF.
Speed display (4 and 5)		Display showing the current speed (5). Additionally speed level (4) is displayed: 1 being lowest speed, 5 being the fastest.
Drive distance (2)		Displays the driving distance. The distance resets after turning off the wheelchair control module.
Children lock function (14, 15; 7B+7E)		Displays on main controller when children function is ON. To turn OFF the children function, read section “Remote and main control module functions”
Joystick (6 and 8)	-	Used to control the speed and direction. The further the joystick is pushed away from the middle, the faster the wheelchair will move. It will lose speed automatically after the joystick is released. While P-2 function is active: Push joystick on main controller forward or backward to adjust the position of the backrest (angle of adjustment: 0-55°).

Turn ON/OFF control module (7A) Turn ON/OFF remote controller (10)	-	Press to turn ON/OFF wheelchair control module/remote controller.
Speed adjustment [folding/unfolding] (7C/7D or 11/12)	-	Press +/- button (7E/7H) on main controller or up/down button (11/12) on remote controller to increase/decrease the speed of the wheelchair. While P-1 function is active: • Press – to fold wheelchair, • Press + to unfold the wheelchair.
Lights ON/OFF (7F)	-	Press button to turn on/off the flashlight located under the control module panel.
Horn (7E)	-	Press to use the horn (warning signal).
Muting/Unmuting wheelchair (7B)	-	Wheelchair comes out muted in standard. To mute/unmute the wheelchair: press once mute/unmute button (7B)
Sleeping function	-	Control module will automatically turn off after 20 minutes. Press power ON button to turn on the module again.

D. MANUAL AND ELECTRIC MODE SWITCHING

To use the wheelchair in electric mode, move up the left and right engine levers located at the back. To use it in manual mode, move the levers down.



E. CHARGER

- Set includes a charger dedicated to the battery.
- Battery charging time is around 6-8 hours.

- Plug the charger into the charging port located in the control module (remove flashlight module before charging) or on the battery.

NOTE: Before plugging the charger in, turn off the control panel. If connecting charger to battery directly, unplug battery cables before charging.

- Red light indicates that the battery is being charged, while green light informs that it is fully charged. After the charging is finished, the charger turns off to avoid overcharging.
- Connect the charger to power supply.
- Check the connection.
- To avoid the risk of fire, do not modify or disconnect the charging circuit while charging the battery.
- To check the current battery level on control module, plug off the charger.

F. DIRECTIONS FOR USE

- Select the desired driving mode.

Note! Do not switch the mode while driving on elevation.

- Push the power button to check the proper functioning of brakes. Brakes are working correctly (electric mode) if you cannot push the wheelchair. Otherwise, contact the Seller.
- Tilt the footrest and sit comfortably on the seat. Lower the footrest back to horizontal position.

Note! Do not use the footrest as a support when sitting down or standing up from the wheelchair. This may cause the wheelchair to tilt and fall.

- Sit on the wheelchair and turn the control panel on. The LCD panel will light up. Joystick should be in neutral position.
- Take caution when using for the first time. Control the speed and direction carefully. The electromagnetic brake will get released only after pushing the joystick (electric mode). To speed up, push the joystick further away from its neutral position. To slow down – do the opposite.
- To stop the wheelchair, release the joystick. Pressing the power button will also stop the wheelchair.
- Using dedicated buttons on the control panel, adjust the wheelchair's speed according to user's physical state and road conditions.
- Wheelchair should only be used on flat surfaces. Driving on muddy or uneven surfaces can cause control system damage.

6. MAINTENANCE INFORMATION

1. Wheelchair cleaning and maintenance

- It is recommended to regularly inspect the construction and its elements (wheels, frames, cables, control module, brakes etc.).
- Any used or damaged wheelchair parts need to be replaced (in such case, please contact the seller).

2. Battery maintenance:

- 1) Regularly check the battery level displayed. If the level is very low, charge it immediately to avoid a voltage drop (which may affect battery life).
- 2) If wheelchair won't be used for longer period of time, charge battery at least once a month.
- 3) Battery has a certain lifespan. Exchange your battery if it wears out.
- 4) Battery should be kept clean and away from kids. Avoid causing any shock or damage to the battery.
- 5) Charge it regularly to expand its lifespan.
- 6) Used batteries should be utilized according to local environmental regulations.

3. Tires maintenance:

It is recommended to inflate the tires to a maximum of 2.5 bar (35 PSI). The pressure should be adjusted according to the weight of the user and changes in air temperature. Tires may lose air over long periods of storage or non-use. Regularly check the tire pressure and their wear condition. When the tire tread pattern depth is reduced to 1 mm, replace the tires with new ones. Follow these instructions to inflate the tires:

a. Slight lack of air

- Press the tire evenly with your hands so that the tire and rim fit evenly.
- Inflate the wheel to the desired pressure.

b. No air

- Inflate the wheel to 30% of the total volume and press the tire evenly with your hands so that the tire and rim fit evenly.
- Inflate the wheel to the desired pressure value.

4. Storage and transport conditions

A. TRANSPORTATION

- Take caution during transportation. Do not throw, turn over or put pressure on the product and its packaging.

- For wheelchair folding, check „Assembly and adjustment”.

B. STORAGE

Wheelchair should be kept in dry and well-ventilated space. Avoid: high temperature and its rapid changes, acids, alkalis and corrosive chemicals.

C. STORING CONDITIONS

Temperature: -40[°C] ~+55[°C]

Humidity: ≤80%

Air pressure: 86 ~ 106 Kpa

5. Troubleshooting

- In the event of a malfunction, the control module will indicate it with sound and warning appearing on the screen. The number displayed on the screen will help to identify the problem.

Issue indicator	Cause	Possible solution
Sound signal, display shows error: E-2, E-3, E-4, E-5, E-30	E-2: Left engine problem E-3: Left EMB brake problem E-4: Right engine problem E-4: Right EMB brake problem E-30: Wheelchair is on manual mode	1. Check if brakes/engine cables are not loosen or disconnected. 2. When E-3 or E-5 problem appears: Disconnect the right brake connecting cable and connect it to the left brake connector. Do the same for the left brake connector. If the problem still appears, it is related to the controller. Contact the seller service. 2. Check if engines are on manual mode. If yes – turn OFF main controller, change engine levers to electric mode and turn ON controller again. If problem still appears, contact the seler service.
Sound signal, display shows error: E-1, E-7, E-14	Joystick failure (on any controller)	1. Check if joystick is in central position. 2. Control module joystick is damaged, cable connected to the control module is damaged or it's not properly connected. Check connections of the cable.

		If alarm sounds appear again, please contact seller service. In case of E-14 error: contact the seller service.
Sound signal, display shows error: E-11	Low battery voltage/level	1. Charge battery for at least 30 minutes. Turn on wheelchair afterwards to see if problem still appears. If problem isn't solved, please contact seller service. 2. Check the battery voltage level. If voltage is lower than one stated on battery label, contact the seller service.
Sound signal, display shows error: E-9, E-10, E-12 lub E-13	E-9 – internal malfunction E-10 – Circuit MOS issue E-12/E-13 – Engine/brake circuit issue	Contact the seler service.
Wireless controller doesn't turn on Controller does turn on, but doesn't work	1. Batteries are depleted or they're not inside controller. 2. Controller issue	1. Put batteries included in set to controller or buy new set of batteries and switch them with used ones. 2. If controller turns on, but joystick or button doesn't work and control module doesn't show Bluetooth icon, contact seller service.

6. Warranty information

- All products distributed by our company are covered by a warranty, the terms of which are described in the warranty card available on our website. Please contact the retailer from whom you purchased the product. Please, keep in mind that for warranty purposes, the proof of purchase (receipt or invoice) should be retained. As a user-friendly company, we provide only tested products – in terms of material, quality and functionality. If you have any questions regarding service procedures, please contact us.
- Warranty does not cover:
 - **wearable parts:** upholstery, tires, armrests, battery
 - **damages resulting from:** self-repairs, changes in product construction, dropping, transportation, inappropriate usage, failure to follow instructions, natural disasters (fire, earthquake, flood).