iCAN Mobility, Power to Go.

User's Manual

LightWight Electrical Wheelchair
iCAN iFold Standard LightWeight Electrical Wheelchair User's MAUNAL

1 YEAR WARRANTY

The 1 year guarantee for this product is active from the date of purchase.

Please read this user manual carefully before using the product.

- This manual provides detailed instructions for the operation, assembly, and basic troubleshooting of the **iCAN iFold Standard** model.
- This manual includes essential maintenance tips and troubleshooting advice. Keep this manual in an easily accessible place for future reference. If someone else uses the wheelchair, please ensure they also read this manual.
- The annotations and illustrations in this manual might differ slightly from your actual model due to ongoing product improvements and updates.
- If you are uncertain about any aspect of using the wheelchair, please contact iCAN Mobility LTD UK for clarification.

- **Improper use of this wheelchair may lead to injury.** Always follow the safety guidelines provided to protect yourself and others.
- This electric wheelchair is intended for individuals with limited mobility or those unable to walk.
- It is designed to be transported by **one person only.**
- The wheelchair is powered by lithium batteries and driven by DC motors. The joystick controller on the armrest allows users to steer and adjust speed. It is suitable for use at low speeds, on well-maintained surfaces, and on gentle slopes.
- This model is specifically designed for users weighing **less than the maximum load capacity** listed in the technical specifications. It is suitable for both indoor and outdoor use at walking speed. **Do not use the wheelchair on active traffic roads or lanes.**
- This manual is based on the most up-to-date product information available at the time of publication. iCAN Mobility Ltd UK reserve the right to make changes or improvements, which may result in slight variations between your product and the descriptions or illustrations in this manual.

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- **This symbol highlights critical safety information.** Always follow the associated instructions carefully. Failure to do so may cause personal injury, damage to the wheelchair, or harm to your surroundings.

1. Product Overview and Detailed Images (refer to Fig.1 below)

1. Manual Pulling Handle
2. Controller (Joystick)
3. Controller Charging Port
4. Seat Belt
5. Seat Cushion
6. Removeable Lithium Battery
7. Retractable Handle
8. Footrest
9. Front Wheel (Caster Wheel)
10. Rear Wheel (Drive Wheel)
11. Backrest Cushion
12. Armrest
13. Upper Backrest
14. Storage Bag
15. Folding and Locking Mechanism (Latch)
16. Driving Unit
17. Electrical Motor
18. Manual Freewheel Switch
19. Anti-tip Wheel
20. Battery Charging Port

FIG.1

2. Product Specification Sheet

Technical data	iCAN iFold Standard LightWeight Electrical Wheelchair
Overall size	910x560x940mm
Folded size	750x560x300mm
Seat size	440x430mm
Seat height	480mm
Armrest height	230mm
Backrest height	490mm
N.W. (ex Battery & seat cushion)	18.76 kg
Seat cushion weight	1.5 kg
Battery weight	1.84 kg
Speed	1~6km/h
Front wheel	7 inches
Rear wheel	11 inches
Max loading weight	**120 kg**
Battery	DC 24V 10Ah Lithium Battery
Battery charger	AC 100~240V, 50Hz, 1.5~5A
Motor	24V 200W Brushless Motor x 2 pcs
Control	24V 40A
Max driving distance	**Up to 15 Km (9.375 mile)**
Max safe slope	**10°**
Static stability	9°
Climbing angle	9°
Degree of protection	IPX3
Obstacle climbing	40mm
Turning radium	≤1.2m
Reversing width	≤1.5m
Tire pressure	2kgf/m²

- **The actual driving range of this product may vary based on factors such as weather conditions, user weight, and terrain type. Extreme temperatures, heavy loads, and rough surfaces can reduce battery efficiency and shorten travel distance.** Whilst the product is built for diverse environments, users should consider these variables to maximize range and ensure consistent performance.
- The 10Ah (240Wh) lithium battery is approved for travel by most major airlines and cruise lines. However, before traveling, **please check with your airline or cruise operator to confirm their specific battery transport regulations.**

3. Safety Instructions

3.1 Main Security Features

- Classified according to the type of protection electric shock: Internal power.
- Classified according to the type of protection against electric shock: Type B application.
- Classified according to the degree of inlet liquid protection: IPX3.
- Classified according to the safety of use in a flammable anesthetic mixture with air or gas mixed with oxygen or nitrous oxide flammable anesthetic gases occurs: Non AP/APG type.
- Classified according to operation mode: Continuous operation.
- Rating voltage: DC 24V.
- No protective effect on the application of defibrillator discharge section.
- No signal output or input part.
- Non-permanently installed equipment.

3.2 Driving Precautions

3.2.1 General Driving Precautions

- Always place your hands on the armrests to maintain control of the wheelchair.
- Practice driving in a safe, open area such as a park until you are confident and skilled in its operation.
- Learn and master the basic movements: starting, stopping, and turning safely.
- Follow pedestrian traffic rules strictly do not operate the wheelchair like a vehicle.
- Use sidewalks and designated pedestrian crossings. **Never drive in vehicle lanes.**
- Drive in a straight and stable manner. Avoid zigzag or sharp turns.
- Maintain correct tyre pressure. Improper inflation can cause instability or increase power consumption.

3.2.2 Situations to Be Avoided

- Avoid driving in adverse weather conditions such as heavy rain, fog, strong winds, or snow.
- If the wheelchair becomes wet, dry it immediately to avoid malfunction.
- Rough terrain, including mud, sand, gravel, or narrow trails, should be avoided.
- Avoid crowded pedestrian areas.
- Stay away from unfenced areas near ditches, ponds, or steep edges.
- Use extreme caution near railway crossings:
  - Stop at the edge and check for safety before crossing.
  - Ensure the wheels won't get stuck in the tracks.
- This wheelchair is intended for **personal use only,** do not carry passengers, heavy items, or use it for towing.

3.2.3 Uphill and Downhill Safety Guidelines

- Avoid using the wheelchair on steep inclines, uneven terrain, high curbs, or drainage channels.
- Never drive on slopes steeper than 9°, operate the joystick with extra care on inclines.
- Always move in a forward direction when going uphill or downhill.
- Reduce speed when descending slopes.
- Never drive sideways on a slope to avoid tipping.
- Do not attempt to climb stairs or cross high curbs.
- Avoid crossing wide gaps or ditches.
- Do not switch to manual mode while driving uphill or downhill.

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- If the wheelchair malfunctions at a traffic crossing, immediately seek assistance from nearby pedestrians. Switch the wheelchair to manual mode and either push it away from the crossing or help the user move to a safe location as quickly as possible.

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3.2.4 General Safety Precautions

- Do not modify the structure or materials of the wheelchair without official approval from our company.
- To avoid instability, do not add weight arbitrarily.
- When the user is seated or the clutch is not in manual mode, do not tow or push the wheelchair using another vehicle.
- Keep Dry, avoid placing the wheelchair in damp or wet environments. If it becomes wet, dry it immediately to prevent damage.

4. Repair and Refit

If the wheelchair requires repair or refitting, please contact iCAN Mobility Ltd UK. **Do not attempt to modify it yourself, as this may result in accidents or equipment malfunction.**

5. Electromagnetic Compatibility

To ensure safe and reliable operation, keep the electric wheelchair away from strong magnetic fields and high-power electrical equipment such as radio stations, TV stations, underground communication hubs, and mobile transmission towers. If sources of electromagnetic interference are nearby, maintain as much distance as possible to reduce the risk of malfunction.

Important Notes:

- The electric wheelchair complies with the electromagnetic compatibility requirements of YY0505 standard.
- Users should install and operate the wheelchair according to the electromagnetic compatibility guidelines provided.
- Portable and mobile RF communication devices may affect the wheelchair's performance. Avoid operating the wheelchair in areas with strong electromagnetic disturbances.
- The battery cut-off voltage is 23V.
- This electric wheelchair is classified as Class D under GB/T 18029.21-2012, indicating a model with electronic differential steering and manual braking.

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If the electric wheelchair must be used in conjunction with other electronic devices, verify in advance that it can operate normally under those conditions.

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If you have a pacemaker or cardiac stent, please consult your doctor before using the electric wheelchair.

6. Assemble and Operation

The assembly process for the iCAN iFold series wheelchair is simple. For this standard model, the wheelchair arrives folded in the box, users only need to connect the controller unit to complete setup.

6.1 Unfold Wheelchair

Hold the backrest with one hand and the seat with the other, then push outward firmly (Fig.2).

FIG.2

Fully unfold the wheelchair and make sure the latch is securely engaged (Fig.3)

6.2 Fold Wheelchair

To fold the wheelchair, press the latch (see Fig.4). Use one hand to hold the latch and the other to press down on the backrest (Fig.5)

FIG.3

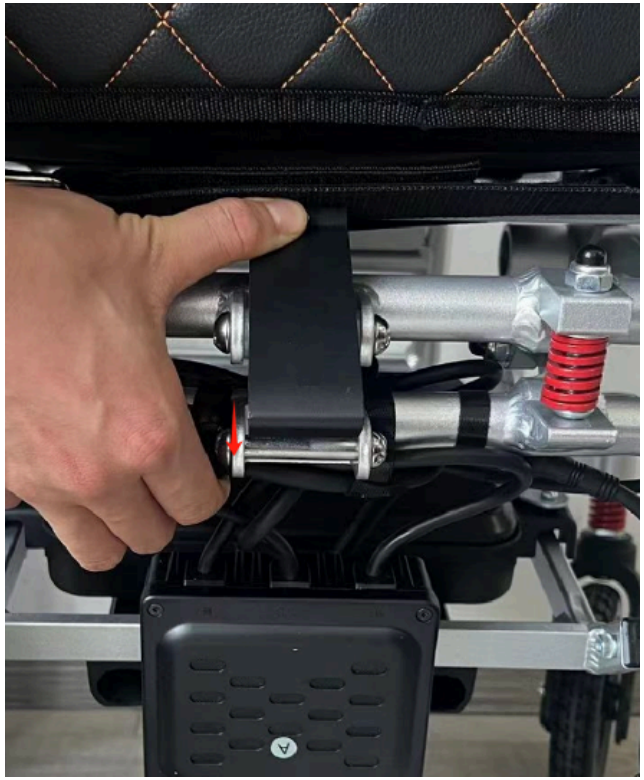

FIG.4

FIG.5

Ensure the latch is securely engaged. Failure to do so may result in accidental folding while in use.

6.3 Controller Installation

Insert the controller into the slot, keeping it level (Fig.6). Then tighten the screw and press the knob inward (Fig.7). Securely connect and tighten the connecting socket between the controller and the main body (Fig.8).

FIG.6

FIG.7

FIG.8

6.4 Remove Battery

Press the button at the back of the battery (Fig.9), while pushing the battery forward from its bottom (Fig.10)

FIG.9

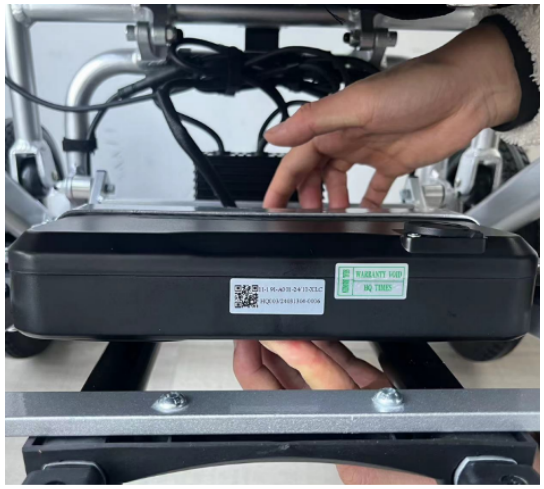

FIG.10

6.5 Install Battery

Insert the battery horizontally into the battery slot (Fig.11). Make sure the buckle on the battery is properly engaged with the battery base (Fig.12).

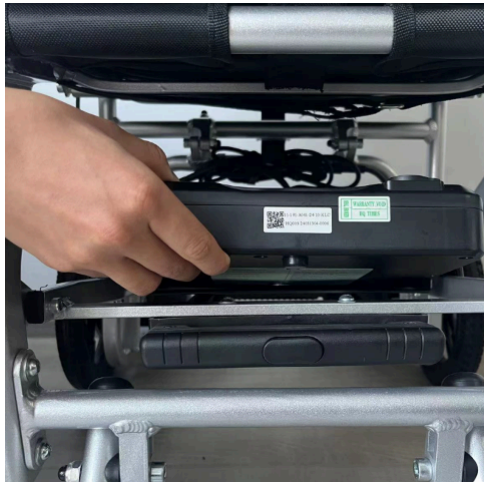

FIG.11

FIG.12

6.6 Pull Rod

Press and hold the top button, pull out the pull rod upwards (Fig.13). Press and hold the top button, push down the pull rod (Fig.14).

FIG.13

FIG.14

6.7 Footplate

The footrest (Fig.15) can be extended and retracted. After folding the wheelchair, secure the footrest with rubber bands under the seat to prevent it from unfolding (Fig.16).

FIG.15

FIG.16

6.8 Armrest Ajustment

Pull the Clamp outward and lift the armrest (Fig.17). To adjust the armrest, press it to the desired position, then press and fastern the Clamp inward (Fig.18).

FIG.17

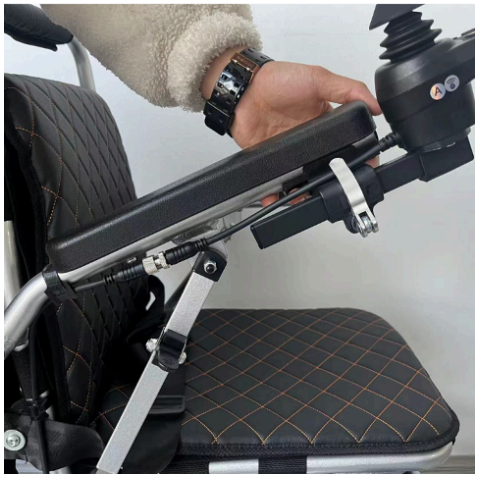

FIG.18

6.9 Manual and Electric Mode Switch

Each rear wheel motor is equipped with a red lever. To switch to manual mode, pull **both** levers downward (Fig.19). To engage electric drive mode , push **both** levers upward (Fig.20).

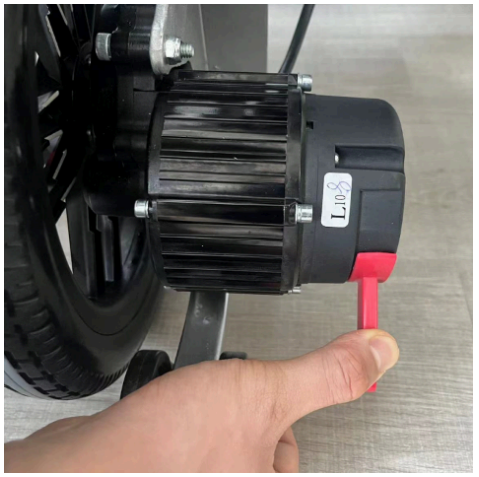

FIG.19

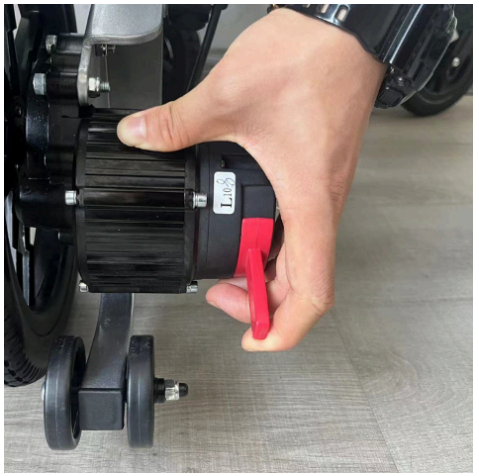

FIG.20

⚠ Always ensure **that both levers are set to the same position**.

6.10 Safety Belt

The wheelchair is equipped with a seat belt that can be adjusted (Fig.21). The seat belt is designed to help support the user and prevent sliding down or forward in the seat. It is not intended to function as a restraining device.

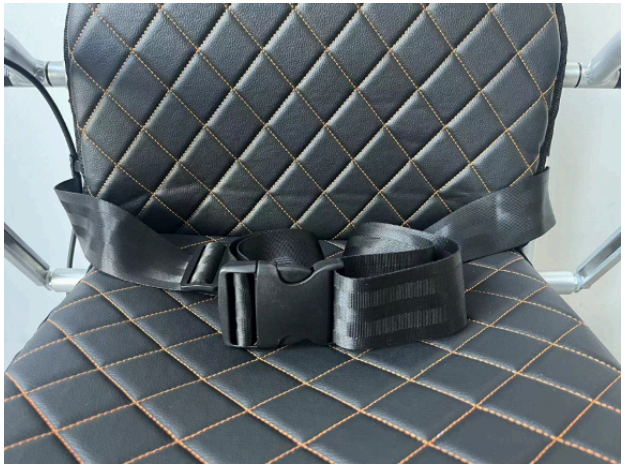

FIG.21

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When driving the wheelchair, please make sure to fasten your seat belt.

7. Battery and Charger

7.1 Charger Specifications

The charger is intended solely for recharging the battery. **Do not operate the electric wheelchair while it is charging.**

Charger Technical Specifications:

- Input Voltage: AC 220V (110V) ±10%
- Output Voltage: 24V DC
- Output Current: 1.5–5A
- Ingress Protection Rating: IPX1

The charger is comply with the requirements of GB 4706.1-2005 and GB 4706.18-2005.

7.2 Use of Charger

- Always ensure that the ventilation openings on the charger are **not blocked.**
- Confirm that the electric wheelchair is **powered off**.
- A full charge takes approximately 8–10 hours. **Do not charge for more than 24 hours.**

7.2.1 Charge via Battery (Fig.22)

To charge the battery, first ensure the wheelchair is powered off and remove the battery from its slot. Connect the charger to the power supply and to the plug on the battery box. Then plug the charger's main power cord into an electrical outlet. The red indicator light will illuminate to confirm charging has started.

FIG.22

7.2.2 Charge via Controller

To charge the battery, first ensure the wheelchair is powered off. Connect the charger to the power supply and the controller socket (Fig. 23). The red indicator light will illuminate to confirm that charging has started.

FIG.23

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To prevent shortening the battery's lifespan, **charge the battery at least once per month when the wheelchair is not in use.** Do not interrupt charging before the process is complete. **Repeatedly using the battery without fully charging it will reduce its lifespan. When the battery is fully charged, the indicator light will turn green.** After charging, switch off the power supply. Leaving it on may cause the battery to discharge slowly. **Do not charge the battery for more than 24 hours, as overcharging is hazardous.**

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To avoid hazards while charging, users should observe the following guidelines:

- Ensure the area is well ventilated during charging. Do not expose the wheelchair to direct sunlight or a humid environment.
- The recommended charging temperature range is 10°C to 50°C. Charging outside this range can impair battery performance and increase the risk of damage.
- It is normal for the charger's fan to make noise while operating. The fan is used to cool the charger, and this is not a cause for concern.
- Prevent any liquids from entering the charger during charging. Do not place the charger on flammable materials such as fuel, the footrest, or seat cushions.
- Keep the battery away from open flames during charging, as this could lead to fire or explosion.
- Charging produces hydrogen gas, do not smoke near the wheelchair while charging.
- Never unplug the power supply with wet hands or when the socket is wet, as this may result in electric shock.
- To prevent accidental injury, do not operate or sit on the wheelchair while it is charging.
- Only batteries of the same type or those specifically recommended are suitable for replacement.

8. Controller (Joystick) - Fig.24

1. Battery Power Indicator

The LCD display's battery indicator is active when the power is on and shows the remaining battery level:

- **5 Bars: 80–100% battery remaining**
- **4 Bars: 60–80% battery remaining**
- **3 Bars: 40–60% battery remaining**
- **2 Bars: 20–40% battery remaining**
- **1 Bar: Less than 20% battery remaining**

Always ensure the batteries are fully charged before long trips where charging may not be available.

Important:

- **Do not operate the unit if only a single red bar is displayed,** as this signals the battery needs immediate charging.
- **If the battery indicator blinks, the remaining charge is below 5%.**

2. Speed Indicator

This displays your current speed while you are traveling.

~~3. Remote Controller Connection~~

~~This is not optioned in iFold Scooter series.~~

4. Front Light Indicator

This indicates whether the front light is turned on.

5. Battery Voltage Indicator

This display shows the current battery voltage while traveling.

- If the reading is greater than 27.04V, the battery is fully charged.
- If the reading is less than or equal to 21.5V, the battery requires immediate charging.

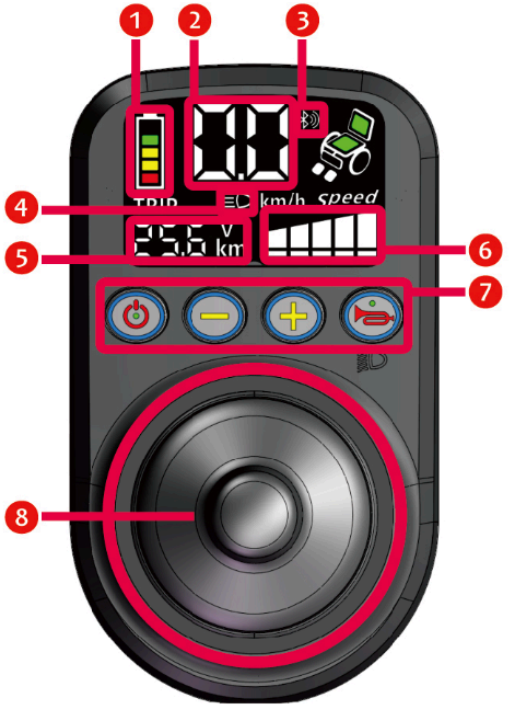


FIG.24

6. Speed Indicator

This display shows the current travel speed.

- One bar indicates the lowest speed setting.
- Five bars indicate the highest speed setting.

7. Key Operation Area (KOA)

7.1 Power Button

- To turn the chair on, press the power button.
- To turn it off, press the button again.
- When the chair is powered on, the LED screen will illuminate.

7.2 Speed Adjustment

The wheelchair's speed can be adjusted to suit user preference and conditions. Use the decrease (**'-'** Button) and increase buttons (**'+'** Button) to set the desired speed.

7.3 Horn Button

Press the horn button to sound the horn.

7.4 Front Light Switch

The front light can be turned on by pressing and holding the Horn button.

7.5 Prompt Sound Settings

The prompt sound can be enabled or disabled according to the user's preference.

To switch off the prompt sound:

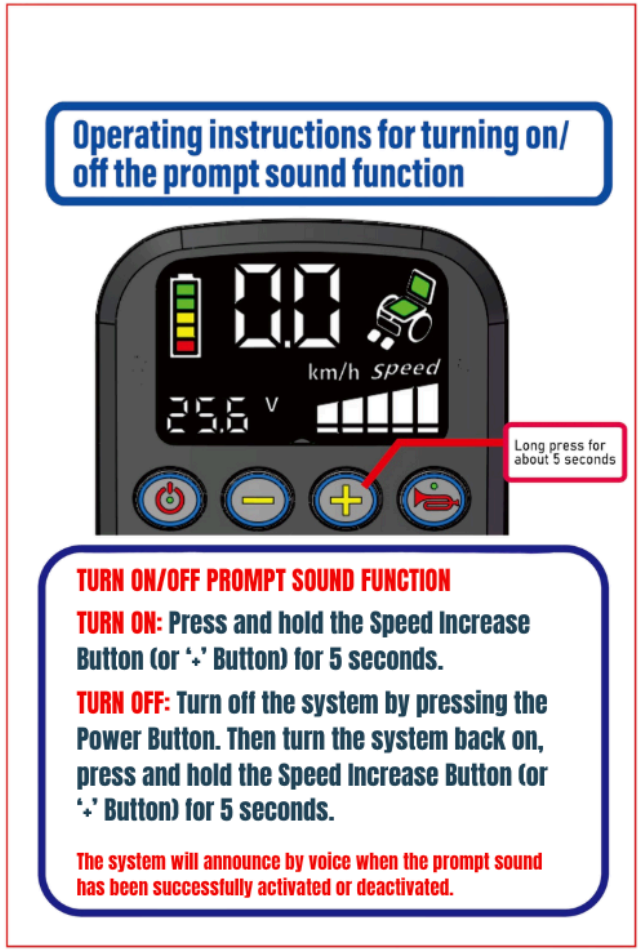
- Press and hold the Speed Increase Button (or **'+'** Button) for 5 seconds. The system will announce by voice when the prompt sound has been successfully deactivated.

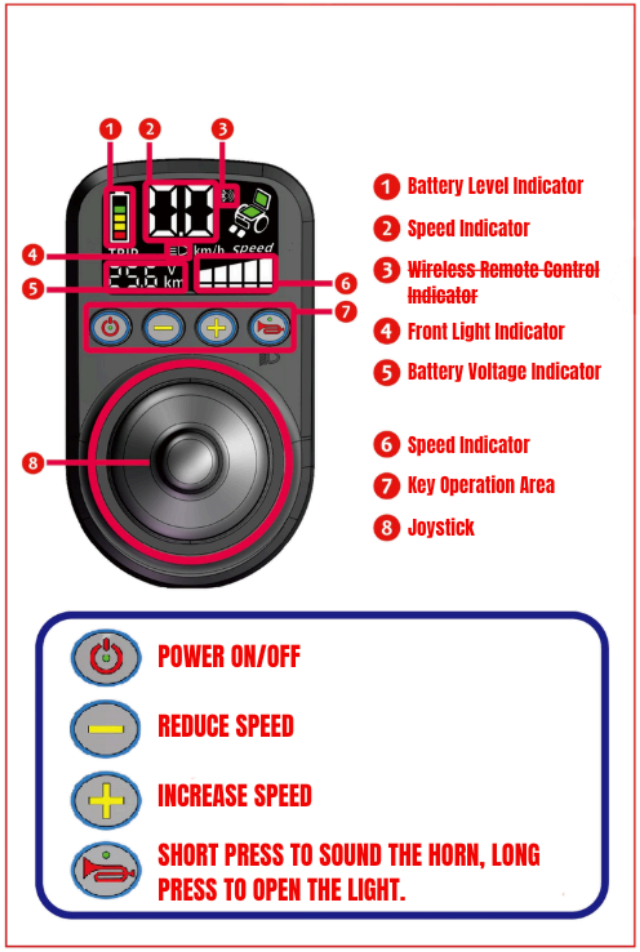
To switch on the prompt sound:

- First, turn off the system by pressing the Power Button. Turn the system back on, then press and hold the Speed Increase Button (or **'+'** Button) for 5 seconds. The system will announce by voice when the prompt sound has been successfully activated.

7.6 Sleep Mode

- If the joystick is not used for more than 20 minutes, the system will automatically power off and enter sleep mode.
- To reactivate, press the power button.





Using the Joystick - Fig.25

- Use the joystick to control **both the speed and direction of the wheelchair.**
- **The distance (Depth) you push the joystick determines how fast the wheelchair will move.**
- **Always ensure the joystick is in the center position** when turning the unit on or off. If the joystick is not centered during power-up or shutdown, an alert will sound. To silence the alert, return the joystick to the centre position.

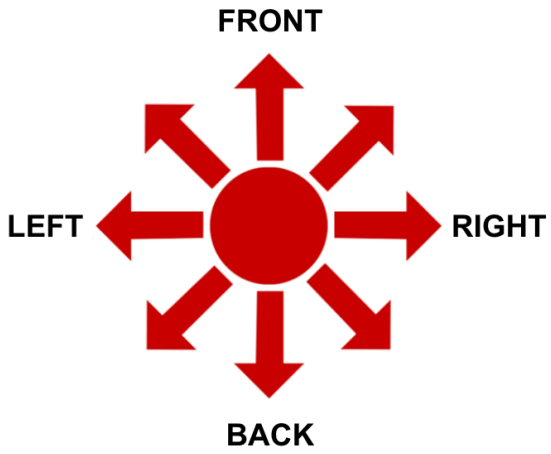


FIG.25

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WARNING: In case of emergency, you can immediately shut off power by pressing the power button.

9. Maintenance

Wheelchair maintenance includes cleaning the wheelchair, inspecting the wheels and battery, and charging the battery as needed. For additional maintenance, please contact iCAN Mobility LTD UK. We recommend having the wheelchair inspected annually.

9.1 Cleaning and Battery Maintenance

Cleaning the Wheelchair

Clean the wheelchair regularly. Wipe down parts that frequently come into contact with the user's body (such as the seat cushion, armrests, and controller) with a clean, slightly damp cloth. **Do not use organic solvents for cleaning**. If the user is a patient, clean the wheelchair at least once per week. If the wheelchair is used by an individual with an infectious condition, clean and disinfect it using appropriate disinfectants.

Wheels

Regularly check the tyres for proper air pressure and wear. When the tread depth decreases to 1 mm, replace the tyres promptly.

Battery

Ensure the battery is charged frequently. To extend battery life, avoid waiting until the battery is fully depleted before recharging.

9.2 Wheelchair Malfunction and Inspection

If a malfunction occurs while the wheelchair is operating, **turn off the power** before performing any checks.

In case of complete loss of power with all LED indicators on the controller panel off, check the following steps.

1. Check whether the controller plug is loose.

2.Check whether the connection between the controller plug and the battery box is loose. Reinsert the plug connector if necessary. (**When disconnecting the plug, hold the connector itself rather than pulling the cable to avoid damage.**)

If, after completing these checks, the wheelchair still does not regain power or if you have any questions about the inspection process, please contact iCAN Mobility LTD UK.

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The controller is equipped with a diagnostic system that monitors the controller and motor. Any malfunction in these components will be indicated by the controller. For additional details, refer to the Audio Signal Indication section under System Diagnosis or Troubleshooting in Chapter 11.

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10. Warranty

iCAN Mobility LTD UK provides a standard one-year warranty effective from the date of purchase. The purchase date must be verified **by either a purchase invoice or a warranty card.** Please note that **bank statements are not accepted as proof of purchase**. Failure to provide a valid invoice will void the warranty.

iCAN Mobility LTD UK reserves the right to interpret the warranty terms and conditions.

Warranty Coverage:

- Main frame structure
- Electrical and mechanical components
- Electric control system and controller
- Motor and gearbox
- Charger
- Connectors
- Battery (Special coverage: as a consumable item, the battery is warranted for 6 months from the date of purchase.)

Exclusions from Warranty:

- Normal wear and tear of ABS shrouds
- Wear and tear, including but not limited to coating and plating surfaces, natural fading of resins, etc.
- Consumable items, including but not limited to tyres, upholstery, seat covers, and lubricants
- Damage caused by improper operation, accidents, or negligence
- Damage resulting from inadequate maintenance or improper storage
- Damage due to unauthorised modifications
- External factors, including but not limited to pharmaceuticals, bird droppings, acid rain, flying stones, or metal particles
- Natural disasters, including but not limited to typhoons, floods, fires, and earthquakes

If you have any questions about the warranty or wish to make a claim, please contact iCAN MOBILITY LTD UK.

11. System Diagnose or Trouble Shooting

The LED indicators on your device signal a range of technical malfunctions that may affect components such as the motor, brakes, battery, and wiring connections. The table below will guide you through troubleshooting specific issues. Most problems can be identified without additional diagnostic tools; however, please do not hesitate to contact us if you require further assistance.

	1 Sound / Fault Code E1 / Low battery voltage -->Please charge for half an hour and try again.
	2 Sound / Fault Code E2 / The left motor wire is off or the left motor is broken -->Please plug the left motor cable into the right motor; The right motor wire is plugged into the left motor. If there is still a 2 beep or an E2 alarm, the controller is faulty. If it is 4 beeps or E4 alarms, it is the motor or cable (loose connector) Fault.
	3 Sound/Fault Code E3/Left Brake Manual Mode or Left Brake Bad --> Please make sure that the left brake is in electric mode; If it is electric mode, please plug the left motor cable into the right motor, and plug the right motor cable into the left motor; If it is still 3 sounds, it is a controller failure. If it is a 5-sound alarm, it is a brake failure.
	4. Sound/fault code E4/right motor line falls off or right motor is broken --> Please plug the right motor cable into the left motor; The left motor wire is plugged into the right motor. If there is still 4 beeps or E4 alarm, the controller is malfunctioning. If it is a 2-sound alarm or an E2 alarm, it is a faulty motor or cable (loose connector).
	5 Sound / Fault Code E5 / Right brake manual mode or right brake bad --> Please make sure that the right brake is in electric mode; If it is electric mode, please plug the left motor cable into the right motor, and plug the right motor wire into the left motor; If it still has 5 sounds, it is a controller failure. If yes 3. If the alarm sounds, it means that the brake is faulty.
	6 Sound / Fault code E6 / Abnormal communication between the upper and lower controls --> If the communication between the upper and lower control is abnormal, please contact the manufacturer.

	8 Sound / Fault Code E8 / Internal Fault of the Controller --> internal failure of the controller, please contact the manufacturer and return it to the factory for repair.
	9 Sound / Fault Code E9 / Left Hall Line Fault (Brushless Controller Proprietary) --> plug the left motor cable into the right motor, and the right motor cable into the left motor. If there is still a 9 sound or an E9 alarm, the controller is faulty. If it is a 10 sound alarm or an E10 alarm, it is a fault of the hall line of the left motor or a motor problem.
	10 Sound / Fault Code EA / Right Hall Line Fault (Brushless Controller Exclusive) -->Plug the right motor cable into the left motor, and the left motor cable into the right motor. If there is still a 10 beep or EA alarm, then the controller is faulty. If it is a 9 sound alarm or an E9 alarm, it is a fault of the right motor hall line or a motor problem
	11 Sound / Fault Code Eb / No voltage output for brakes or short circuit in brakes -->Gently push the joystick, and the vehicle does not walk. There is no "pop" sound of electromagnetic brakes. There may be damage to the controller brake circuit without driving voltage output. or a short circuit in the electromagnetic braking system. You can try to replace the motor with a new one!
	Fault code (as shown in the figure) / The joystick is not in the middle position and the alarm is turned on. -->When the joystick is not in the middle position when the machine is turned on, let the joystick return to its position. If the joystick still alarms after turning on the device after returning to its position, the joystick needs to be recalibrated, please contact the manufacturer, or refer to the digital upper control parameter adjustment manual to recalibrate the joystickCan. (The user must operate the joystick after turning on the controller for 2 seconds)
	Fault code (as shown in the figure) / Three push rod models do not reset the alarm after starting -->Three-putter standing wheelchair model, after the pushrod assembly vehicle, turn on the controller, when the three functions of leg lifting, lying flat and standing are selected, the controller will report the fault code as shown in the figure, at this time, press and hold the reset button to reset the wheelchair, and the three functions can be used normally.

12. Sale Representative Detail

This product is sold and customer serviced by:

iCAN Mobility Ltd UK and **iCAN Products Ltd UK**

Registered Address:
iCAN Mobility Ltd
302 Union Street
Torre, Torquay
TQ2 5QZ
United Kingdom
Tel: +44 (0)1803 328222 / 01803 659465
Web: **icanmobility.co.uk**
email: **info@icanmobility.co.uk**

WEEE
Note: Waste electrical products and batteries should not be disposed of with household waste. Please recycle where facilities exist.

Information and illustrations are subject to change. Ican reserves the right to alter the specification and product design at any time without notice.