

# PW-1000XL User Manual

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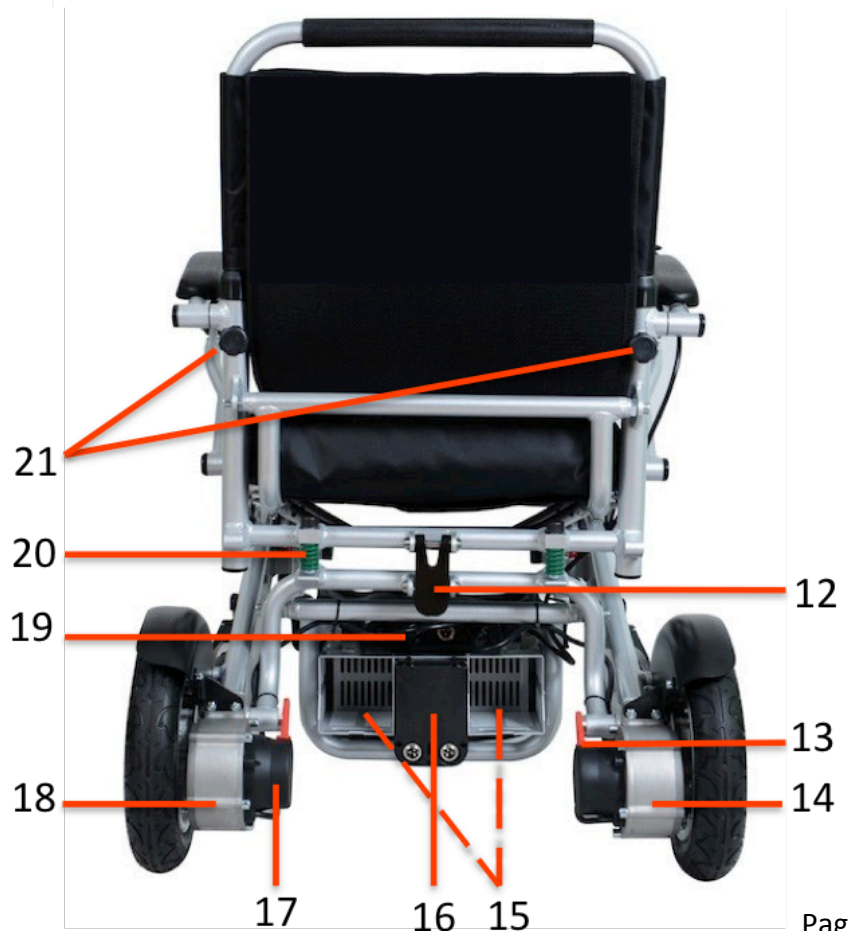
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# 1. Parts Introduction

1. Joystick Controller
2. Seat Cushion
3. Backrest Cushion
4. Push Handle
5. Armrest
6. Armrest Lock
7. Rear Wheel
8. Front Wheel
9. Footrest
10. Storage Bag
11. Joystick Controller knob



12. Safety Lock
13. Mode Switcher
14. Right Motor
15. Extra Battery Slot
16. Battery
17. Brake System
18. Left Motor
19. Control Box
20. Spring Suspensions
21. Backrest Height Adjustable Knob



## 2. Set Up Upon Arrival

When you take the wheelchair out of the box, remove the plastic cover, and stand the wheelchair as shown. Follow the 3 steps below.



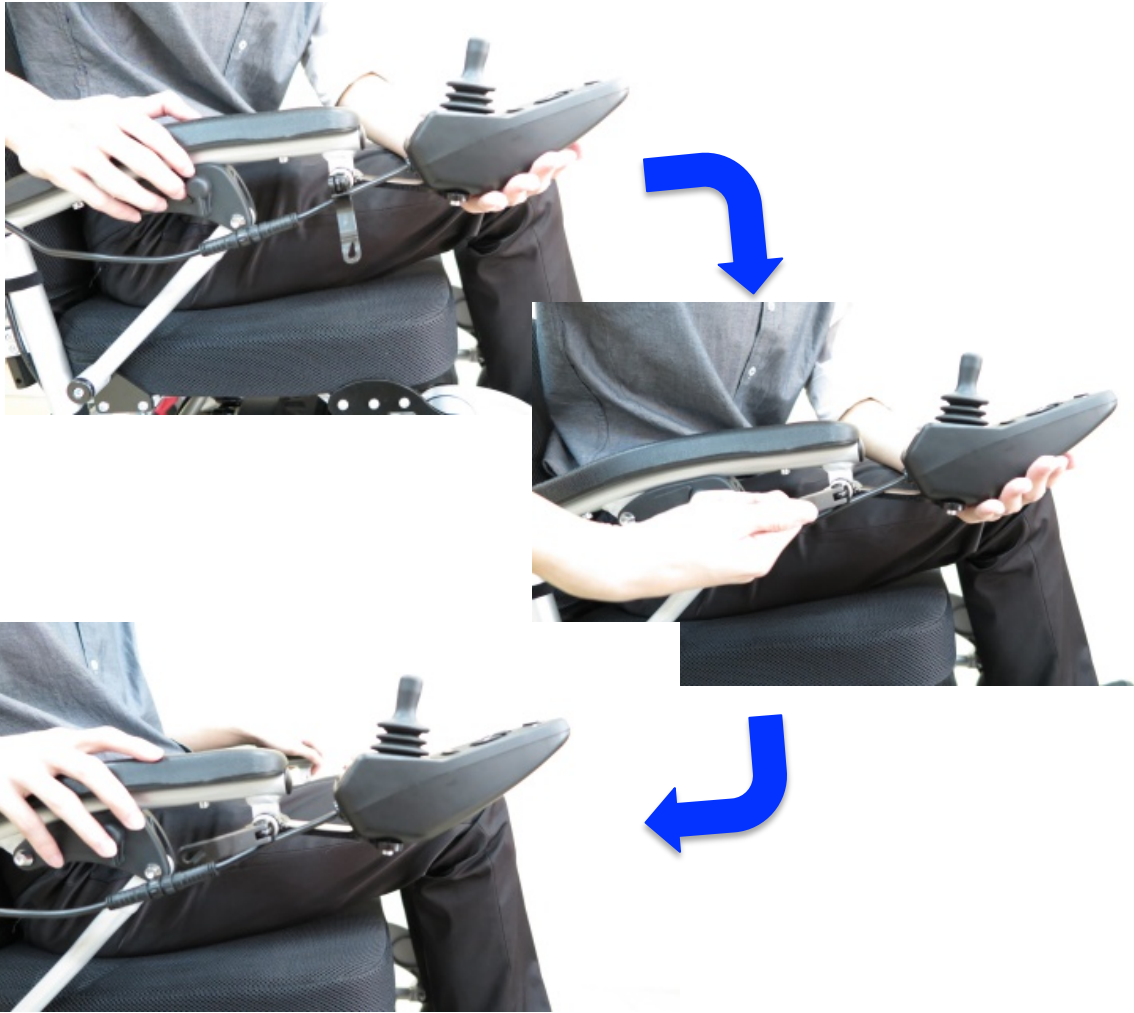
### Step 1 :

- I. Push the footrest out to its open position. (Arrow A)
- II. Hold the push handle and the aluminum bar underneath the seat cushion.
- III. Pull the backrest handle outward and push the bottom of seat outward at the same time (Arrow B)



**Step 2 :**

- I. Tighten the joystick controller knob.



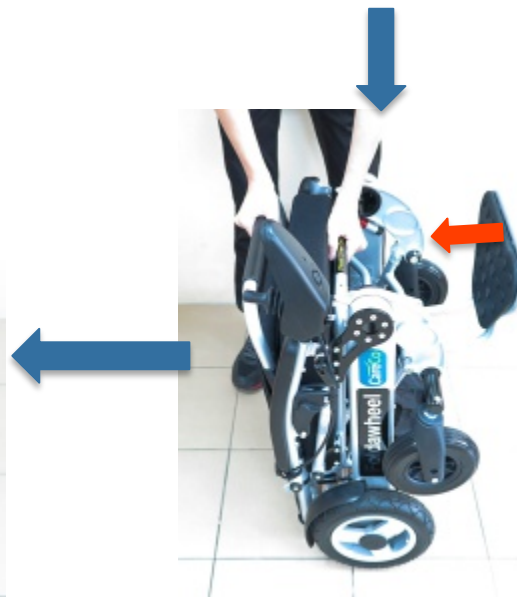
### Step 3 :

There is a black colored lock behind the seatback. Please make sure it is locked before you operate the wheelchair. To fold the chair, you will need to unlock it.



### To Fold the wheelchair

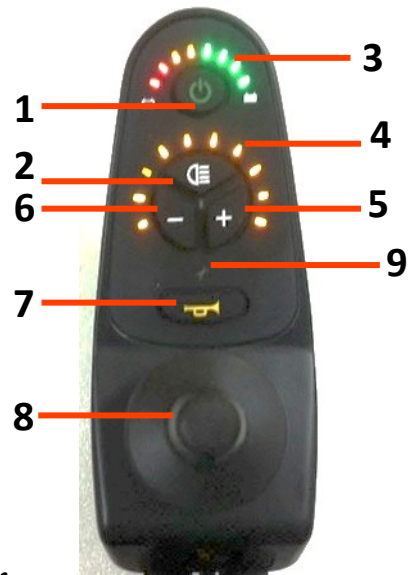
- I. Hold the backrest handle (Arrow D) and aluminum bar underneath the seat cushion (Arrow E), and then fold them together.
- II. Then fold the footrest towards the seat cushion.



# 3. Operation

## 3.1 Joystick and Controller

1. On/ Off Button
2. Factory Maintenance Button
3. Battery Strength Indicator
4. Speed Indicator
5. Increase Speed
6. Decrease Speed
7. Horn
8. Joystick
9. Maintenance Light



## 3.2 How to operate your power wheelchair

Turn on the power to the wheelchair by pressing the On/Off button, **DO NOT MOVE THE JOYSTICK UNTIL THE POWER IS ON.**

### ❖ Speedy control Increase and Decrease Button

Press the “+” button on the joystick controller to increase the speed.  
Press the “-” button on the joystick controller to decrease the speed.

### ❖ Speed Indicator

Level 1 is the lowest speed, and Level 5 is the highest speed. Every 2 lights represents 1 level

**Warning: We recommend that you become thoroughly familiar with the operation of your Foldwheel PW-1000XL before you increase the speed setting from level 1 to a higher speed level.**

### ❖ On/Off Button

The On/Off button provides power to electronic control system, which in turn supplies power to the wheelchair’s motor. Do not use the On/Off button to stop the wheelchair unless there is an emergency. The joystick controller will automatically turn off the power after 15 minutes of inactivity.

**Suggestion: Please power off whenever waiting. To preserve energy.**

**Warning: If you use the On/Off button to stop the wheelchair, it may shorten the life of the drive components.**

## ❖ Joystick

The primary function of the joystick is to control the speed and direction of the wheelchair. The further you push or pull the joystick from the center position the faster the wheelchair will move. When you release the joystick the brakes are automatically applied. There is a half second delay in the movement of the wheelchair for safety purposes.

## ❖ Horn Button

Press the Button to sound the horn.

## ❖ Battery Strength Indicator

The battery gauge shows you that the wheelchair is switched on. It also indicates the battery capacity remaining in the battery pack. However, it is not a proportional indication, so please charge the battery when the green light on the battery indicator disappears.

## ❖ Factory Maintenance Button

The factory maintenance button is used for re-programming of the joystick controller. Pressing the button will not affect normal usage.

## ❖ Lock / Unlock Joystick Controller

- To **Lock**: When your joystick controller is powered on, press and hold the “on/off button” for more than 5 seconds until the light turns off. You will see the battery strength indicator blinking and running from right to left. (The power will turn off automatically after a few seconds).
- To **Unlock**: Press the “on/off button” to turn on the joystick controller. Then press the “+” (Increase speed button) 3 times.

### 3.3 How to Convert to Power and Manual Mode

- ❖ Pull the red levers towards you to engage Power Mode. While in Power Mode, do not attempt to push the wheelchair manually. (P5)
- ❖ Push the red levers away from you to use Manual Mode. To push the wheelchair manually in Manual Mode, turn off the power using the joystick controller. (P6)



P5



P6

# **4. Safety Notice**

## **4.1 Before Driving**

The user should become readily familiar with this User Manual and the operation of this wheelchair before driving it outdoors. TO AVOID SERIOUS INJURY OR DEATH, please keep the following safety tips in mind at all times.

### **❖ Driving Environment**

- Drive straight up and down a ramp, slope, curb or any uneven surface.
- Do not drive up or down hills that are too steep.
- When approaching a curb, or any uneven surface, stop a few inches in front of it and then slowly drive the wheelchair from the stopped position up the curb or surface.
- Do not drive your wheelchair after consuming alcohol, or when you feel tired.
- This wheelchair has been designed to operate on dry pavement at speeds up to 10km/h (6.2 mph).
- Drive on even pavement and marked pedestrian areas only.

### **❖ Practice operating your power wheelchair at home.**

- Turn the speed dial to the lowest setting for initial user. Only increase the speed setting when you are confident that you can easily operate and control the wheelchair.
- Be sure someone accompanies you for safety when operating your wheelchair for the first time.

### **❖ Do not use this wheelchair to carry or hauls goods.**

### **❖ The maximum weight capacity is 330lbs with center of gravity in a seated position. If the user exceeds 330 lbs this wheelchair is not recommended for use.**

## 4.2 While Driving

- Do not attempt to get out of the wheelchair while it is moving as doing so may cause serious injury or death.
- Pay close attention to avoid any loose clothing getting caught in the wheels, or catching on the joystick controller.
- It is further recommended that you follow these warnings.
- Do not get in or out of your wheelchair unless the power is off.
- Do not drive on roads with heavy traffic.
- Do not drive in rain, snow or icy conditions.
- Do not drive your wheelchair in an “S” pattern, or make erratic turns, as this could cause the wheelchair to flip over.
- Do not take the wheelchair onto escalators.
- Do not drive onto ramps that are steeper than the specified gradient.
- Always use a low speed setting when ascending or descending a hill.
- Do not make turns when driving on gravel roads or ramps.
- Always lean forward when climbing a steep hill, and lean backwards when going down hill.
- Release the joystick controller lever completely and the wheelchair will come to a stop.
- Do not turn the power off from the joystick controller until you have come to a complete stop.
- Do not use a mobile phone or other wireless communication device while driving.

### **WARNING!**

- Exceeding the weight capacity of the wheelchair may lead to damage to your wheelchair cause it to malfunction, or endanger your own safety. The warranty does not cover this type of damage.
- Do not stand and put all of your weight on the footrest. This may cause the wheelchair to tip and possibly result in serious injury.
- Do not turn the power switch to OFF while driving, as this will lead to an emergency stop and possibly result in serious injury.
- Do not turn the power switch to OFF while driving, as this will lead to an emergency stop and possibly result in serious injury.
- Do not set to higher speeds while driving indoors.
- Be aware of people and objects at all times while operating your wheelchair.
- Do not adjust the speed while driving. A sudden change in speed may cause injury to you and/or others, or damage to your wheelchair.
- Do not place magnetic devices near the wheelchair as this could affect its safe operation.

# 5. Battery Charging & Care

## 5.1 Battery

- The battery pack in the Foldawheel PW-1000XL is made of Polymer Li-ion cells. It is a better battery than the standard Li-ion battery pack, or the traditional Lead-Acid battery. Not only is this high capacity battery small in size, it is very lightweight, durable and long lasting.
- One battery pack allows the user to operate the wheelchair for approximately 10 km (6.2 miles). There is an option to purchase a second battery which allows the user to operate the wheelchair for approximately 20 km (12.4 miles). And unique to this wheelchair is the option to install a third battery that will allow its operation for approximately 30 km (18.6 miles).

## 5.2 Charging the Battery

- ❖ The Foldawheel comes with a 24V 2A charger. It is made with high quality components and has passed all of the required standards and tests. Once you connect to a power source, the LED indicator will illuminate.

- Red** : Connected to power source
- Yellow** : Start Charging
- Green** : Charging Completed

ATTENTION : This charger only works with Equipment with the following criteria :

- 24V
- Li-ion battery equipment only
- A similar charging connector



# 6. Specification

Net Weight with 1 battery pack	25kg (55 lbs)
Max Speed	8 km/hr ( 5 miles/hr)
Maximum Seat Capacity	150kg (330 lbs)
Seat Depth	45.5cm (18")
Seat Height From Ground (Front)	47cm (18.5")
Seat Height From Ground (Back)	47cm (18.5")
Turning Radius	88cm (35")
Folded Size	30.5cm (L) x 69cm (H) x 63.5cm (W)
	12" (L) X 27" (H) X 25" (W)
Opened Size	92cm (L) x 89cm (H) x 61cm (W)
	36.2" (L) X 35" (H) X 24" (W)
Packing Size	40cm (L) x 76cm (H) x 72cm (W)
	15.7" (L) X 29.9" (H) X 28.3" (W)
Max Distance / Full Charge	~12km (7.5miles) with standard one battery
	~24km (15 miles) with Optional 2nd battery
	~36km (22.5 miles) with Optional 3rd battery
Charge Time (for 1 baQery)	4 hours
Slope Capability	15°
BaQery Type	Polymer Lithium Ion BaQery
Motor Type	Latest Brushless Motor (50% more powerful than normal standard motor)
Motor Power	250W x 2 units
Front Wheel	7" (Black Color)
Rear Wheel	10" (Black Color)
Frame Material	Aircra_ Quality Aluminium Alloy (Series 6061)
Front + Rear Tire Type	Rigid PU tyre
Armrest	Raisable
Footrest	Foldable
Backrest Push Handler	High Adjustable
Storage Bag	Weather Proof



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