

ROBOOTER

Driving To A Better Life



Robooter X40

Folding Power Wheelchair

Smart/Innovative/Stylish

The population with lower limb motor dysfunction is mainly composed of people with spinal cord injury, stroke and other disabilities and the elderly with lower limb motor dysfunction.



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PART 01

Product Introduction



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Main Introduction | Feature | Functions | Version



Introduction

Seamless Mobility - Anytime, Anywhere. Experience freedom with the Robooter X40, the stylish folding power wheelchair designed for seamless transitions between outdoor adventures and indoor comfort.



Product features



Innovative Design

- Zero turning radius
- Maximum comfort
- Wider seat cushion
- One-touch folding mechanism
- Smooth navigation
- App remote controlling



Multi-Terrain



Smart Data



PART 02

Product Innovation



Folding system | Automotive-grade frame | Magic omnidirectional wheels |
APP control | Cruise control | Gyroscope



Product Innovation

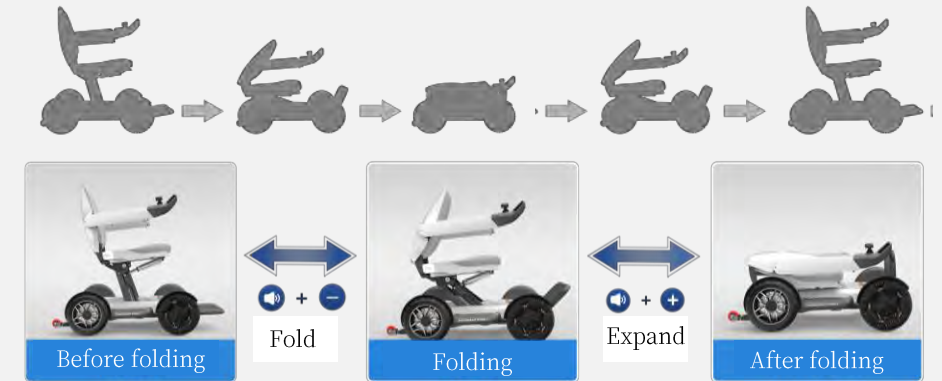
1. The first traction-type four-link folding structure



Folding & Expanding

Intelligent folding system

Auto-folding & expanding
Convenient, Fast and Safe



In the most compact space, the four-link folding structure is the best and most stable solution compared to all folding structures.



An integrated casting with a stable and durable structure

High-strength Integrated Chassis



High-quality frame materials

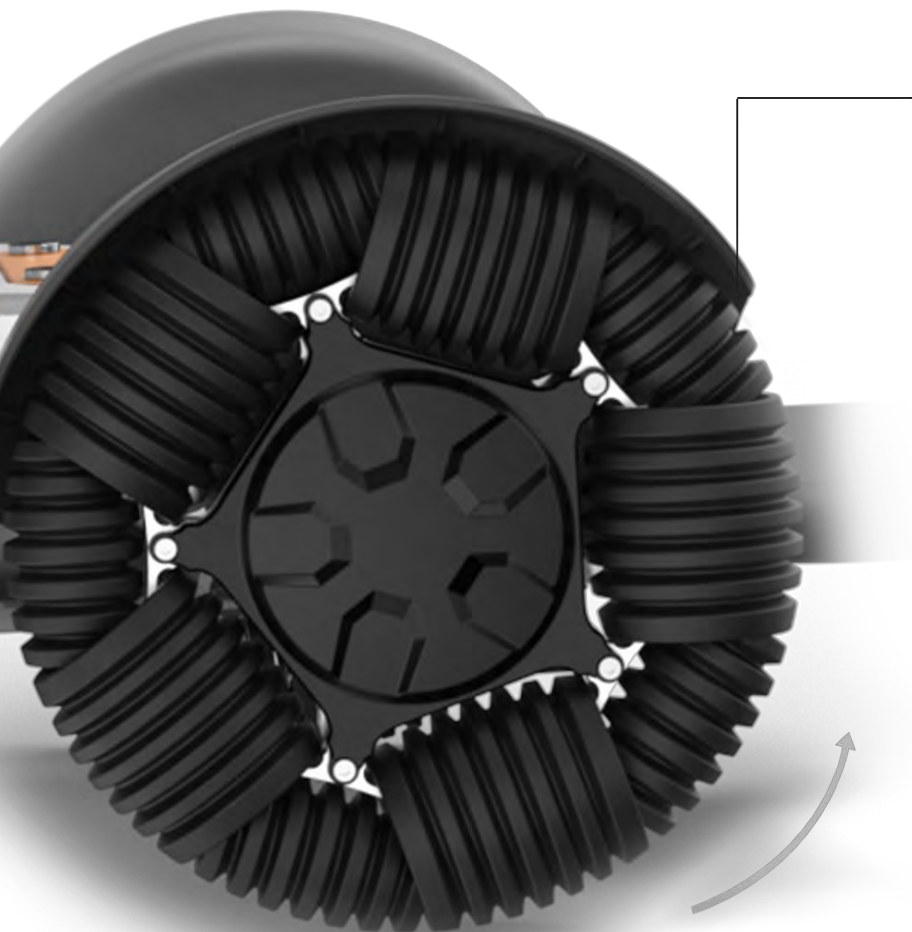
The entire frame is made of aluminum alloy with an average wall thickness greater than 3.5MM.

High-strength integrated chassis structure design.

The chassis adopts an integrated welded structure, using two crossbeams and bent pipes to form the chassis load-bearing structure.



Magic Omnidirectional Wheel



Self-developed omnidirectional obstacle- crossing wheel:



Overall closed honeycomb structure solution



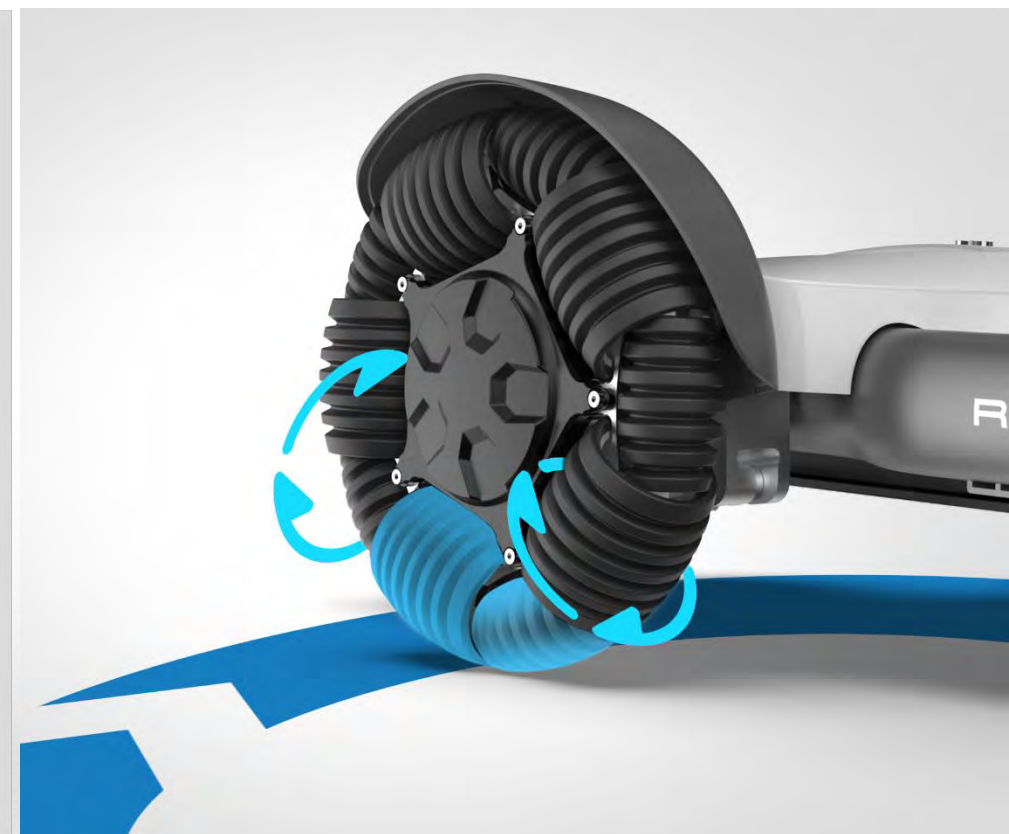
Stronger impact resistance and fatigue resistance



Golden ratio rubber formula:
Taking into account both life and comfort



Unique bearing sealing technology:
Long bearing service life, no water and dust



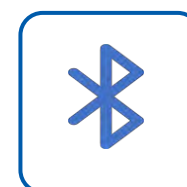
App Remote Control

After linking the mobile phone via Bluetooth, and the mobile phone APP can realize real-time remote control of the car and view driving parameters.

Chair tilt alarm system/Cruise control/APP intelligent connection/One-touch electric folding/Electric fence/SOS



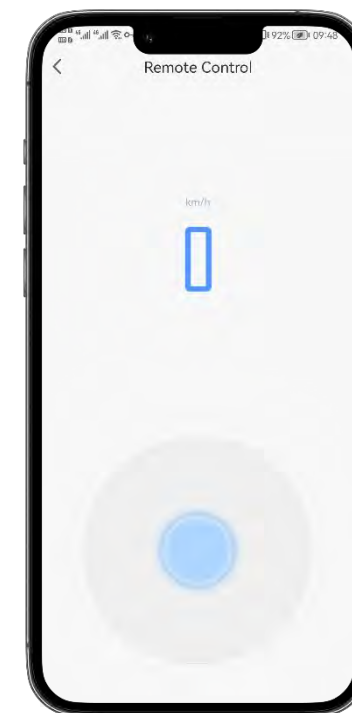
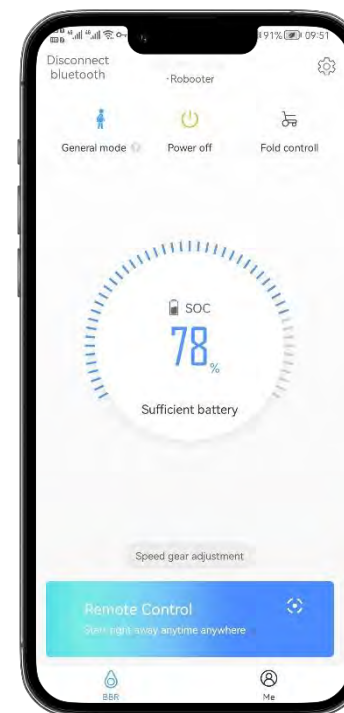
Speed gear control



Bluetooth/APP folding control



Remote Control



Cruise Control



Stable chassis, artificial intelligence

Full of technology

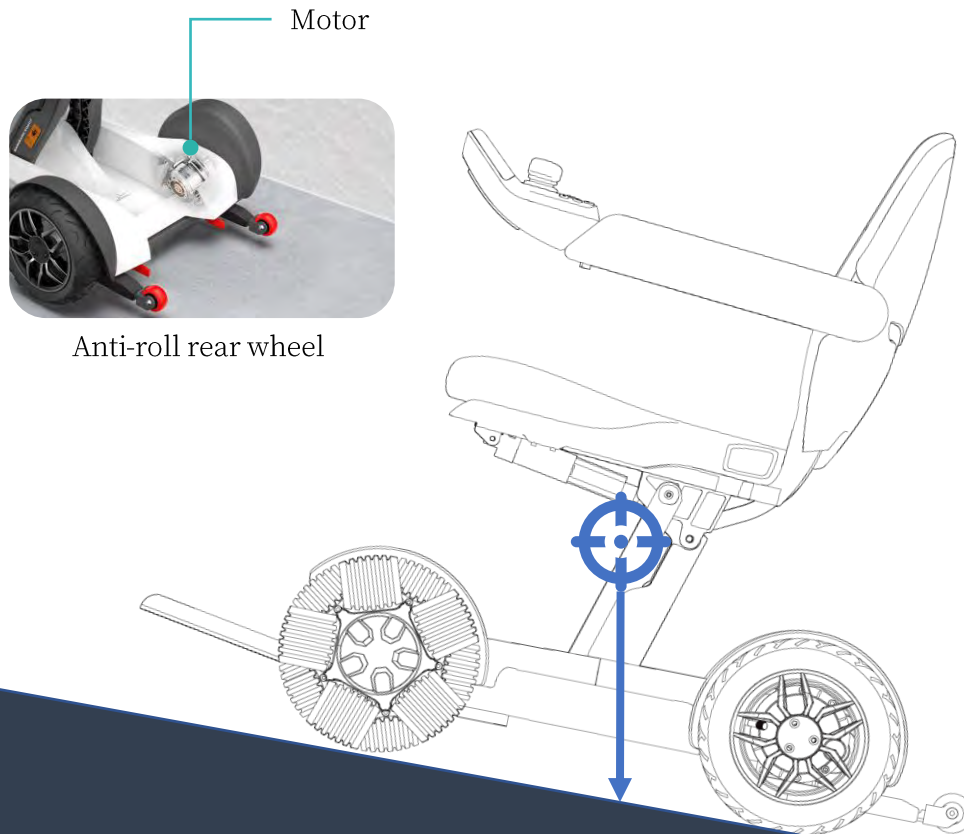
A-key smart folding

Stay on the slope without slipping

Advanced dual suspension system for a smoother ride

Keep moving forward, turn left and right by joystick.

Gyroscope detecting bumps



Safe and stable without rollover

Self-weight low center of gravity stability system

The upper structure adopts lightweight design, 80% of the weight of the vehicle is arranged below the 20cm plane.

Gyroscope detecting bumps

- Alarm for front, rear, left and right roll.
- Tilt posture voice alarm.
After tilting, voice alarm.
- When the speed of X40 drops to level 1, the APP will alarm.

PART 03

Product Highlights



Fashionable appearance and craftsmanship | Ergonomic chair | Independent
shock absorption system | Electromagnetic brake system
High-intensity test



Product Highlights

- ✓ The backrest with a customized backrest bracket/customized backrest sheet metal/backrest soft bag,
- ✓ A customized seat bracket/seat sheet metal/seat soft bag.

- ✓ High-grade memory foam with comfort.



Independent suspension system

The front wheels have two sets of suspension spring with strong torsion, buffering the impact from rough roads and steps to make the users drive stably and feel comfortable.



Electromagnetic brake protection system

Hill-hold locking protection system

Automatic electromagnetic brake protection system.

Stay on the slope safely without sliding down.



High-intensity testing

Including decibel testing, temperature shock testing, ramp noise testing, performance testing and safety testing, etc.



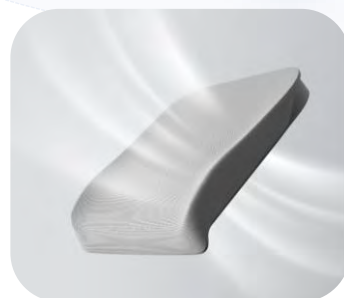
Product Highlights



Aluminum alloy frame



Removable ternary lithium battery



Wear-resistant fabric for automobiles



Aviation-grade seat belts



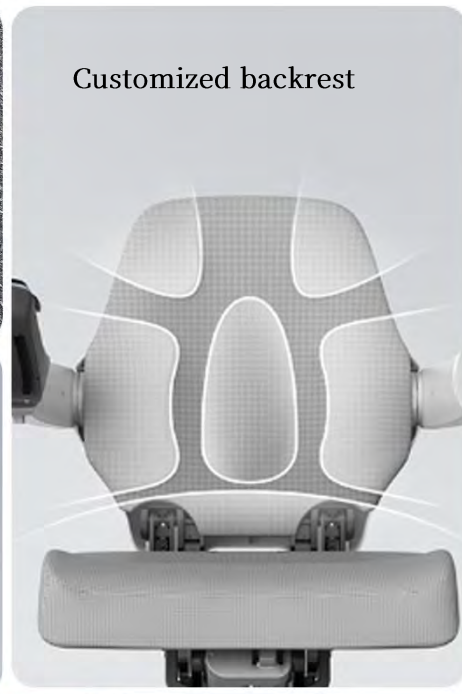
Anti-tilt wheel



Remote control via a user-friendly mobile app



Fashionable gull-wing backlight



Customized backrest



LED tail light



Fender



Auto-folds to fit in small places.



Removable ternary lithium battery



Ergonomically designed backrest for maximum comfort

PART 04

Product Structure

Backrest assembly

Armrest

Control panel

Seat assembly

Omnidirectional wheel

Safety warning light | Battery box

Folding link

Anti-roll wheel

Gull-wing taillight



Product Structure



PART 04

Product Parameter



Parameter



Parameter	Kilometer version	Mile version
Folding	Electric Folding	Electric Folding
Maximum speed	3.75mph	6km/h
Maximum obstacle clearance	1.77"	45mm
Maximum gap clearance	4"	100mm
Maximum climbing angle	10°	10°
Weight without battery	92lbs.	41.8kg
Battery number	1	1
Battery weight (20ah)	7.5lbs.	3.4kg
Specifications of front and rear wheels	Front: 10-in. / Rear 10-in.	Front: 10-in. / Rear 10-in.
Maximum capacity	≤265lbs.	≤120kg
Battery capacity	20Ah(Optional 10ah)	20Ah(Optional 10ah)
Charging Time	4-6H	4-6H
Overall dimension	(L) 40" x (W) 23" x (H) 36"	(L) 1005x (W) 590x (H) 930mm
Folding shape dimension	(L) 33" x (W) 23" x (H) 15"	(L) 820x (W) 590x (H) 420mm
Seat wide	16.5"	420mm
Maximum range	15miles	24km
Side Arms	Angle Adjustable	Angle Adjustable
Recommended Ambient Temperature	-10℃~50℃	-10℃~50℃
Waterproof Grade	IPX4	IPX4

PART 04

How to Use

Power on/off | Fold/unfold | Beginner mode | Lock
function | Cruise control | Push mode



Upper Control



Controller 3.0



Clear function button design
Multi-language voice function setting



Voice broadcast reminder

Upper Control

Power on/off

- 01** Power on/off by pressing the power button for 3 seconds;
- 02** Power on/off with a prompt sound;
- 03** Remotely shut down via APP;
- 04** Power on/off: animation matches the audio rhythm.



Turn on/off

Fold/Expand

- 01** Long press the "horn button" + "speed-" for 3s to fold the wheelchair, and the voice will announce "start folding". After 6s, the folding will stop automatically, and the voice will announce "stop folding";
- 02** Long press the "horn button" + "speed+" for 3s to unfold the wheelchair, and the voice will announce "start unfolding". After 16s, the unfolding will stop automatically, and the voice will announce "stop unfolding";
- 03** If you need to stop unfolding during the folding process, you can use the "swing" rocker function to stop the folding or unfolding movement.

 + 
Buttons for folding



 + 
Buttons for Expanding



App folding

Novice mode

- 01** Click "W" to enter the novice mode, and click "W" again to exit the novice mode.
- 02** In the novice mode, the fastest speed is 2 gears.
- 03** Customized for the elderly.



Novice mode

Upper Controller

Lock Function

- 01** After powering on, the machine will enter the lock function by default;
- 02** Click the "lock button" to unlock it, and then you can control the joystick to drive;
- 03** Every time you enter the lock mode, the gear position will automatically drop to 1st gear.



Lock button

Cruise control

- 01** Turn on the machine and unlock it;
- 02** Turn on the cruise control function in the APP;
- 03** Press and hold "Speed+" for more than 3 seconds to enter the cruise control mode. At the same time, there will be a key tone to remind the user that they have entered. Push the joystick forward to start the machine and cruise;
- 04** If you do not operate the joystick after entering, the system will sound a prompt Timeout, cruise control has been exited.



Freewheel mode

- 01** Short press the '+' and '-' buttons at the same time to enter the Freewheel mode, and the voice broadcasts "Freewheel mode" Push any of the four buttons, such as joystick, horn, mode, sos, and lock, to exit the Freewheel mode, and the voice broadcasts "Exit Freewheel mode" ;
- 02** After exiting the Freewheel mode, the default is to enter the lock mode (regardless of whether it was locked before pushing);
- 03** In addition, when the power is turned off, turning on the red brake button next to the rear wheel can also directly enter the push mode (this mode can also be used when there is no power).



Freewheel mode

Usage Guide



Charging detection function	1. When the device is plugged into the charger, the device will announce that it is charging, and the LCD power indicator will display the charging status in the form of a running light. 2. During charging, the device will be locked indefinitely, and the joystick and APP will not be allowed to control the wheelchair motor.
Battery level display function	1. The power indicator on the device shows the power in real time in 5 grids; 2. $\geq 0=1$ grid / $\geq 20=2$ grids / $\geq 40=3$ grids / $\geq 60=4$ grids / $\geq 80=5$ grids; 3. The APP shows the power in percentage;
Power saving mode	1. If the device is not operated for 30 minutes (no buttons, joysticks, APP operation), it will automatically shut down (the effect is the same as long pressing the power button);
Wheelchair speed display	1. LCD displays the wheelchair speed in kmh; 2. The speed display value accuracy is plus or minus 10%;
Bluetooth connection status	1. When Bluetooth is not connected, the Bluetooth indicator on the LCD is "not displayed"; 2. When Bluetooth is connected, the Bluetooth indicator on the LCD is "displayed";
APP remote upgrade function	1. Device software can be upgraded through APP;
APP remote control function	1. The APP can connect to the device Bluetooth via Bluetooth, and can remotely control the device after entering the remote control interface; 2. The device joystick control has a higher priority than the APP remote control; 3. The APP remote control speed is lower than the normal speed of the device (percentage); 4. The App cannot enter the remote control interface in the non-locked mode, and can only enter the remote control interface and remotely control the wheelchair in the locked mode (the App cannot control the device lock state); 5. When the App is in the remote control interface (that is, the wheelchair is locked at this time), push the joystick or press any of the 6 buttons, such as horn, mode, sos, lock, gear +, gear -, to deprive the App of control, and the App will automatically exit the remote control interface; 6. The App remote control speed is 50% of the device 1st gear speed (the App remote control must be locked, and the speed gear will be automatically fixed to 1st gear when locked);
APP configures device driving parameters	The App can set 2 highest gears. The default is high gear.
APP voice settings	1. APP can control voice prompts and voice alarm switches; 2. APP can set the volume of voice (three levels); 3. During reversing, it plays once every 10 seconds;

Product FAQ



Q1: How does the chair fold and unfold?

A1: Our X40 foldable mobility scooter folds and unfolds with a simple touch of a push button, or with our Bluetooth app.

Q2: What does the display include?

A2: Our sleek and informative user friendly display includes which gear you are set on, the current travel speed, and percent battery life left.

Q3: Will my hand get tired pushing the joystick forward for hours?

A3: With other chairs yes, but the Robooter has an easy to use cruise control setting where you can set the speed and adjust the course just like you do in a car, so your hand and fingers don't get tired or sore.

Q1: How long do the chairs take to charge?

A1: The chairs will be fully charged in 4-6 hours for a full charge from near empty.

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