

ROBOOTER

Driving To A Better Life



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PART 01

Product Introduction



Main Introduction | Feature | Functions | Version



Main Features

- High comfort
- Independent suspension spring
- Longer battery life
- Ergonomic chair
- Smart remote control
- Dual storage space

Overall product introduction

The Robooter E40 is a sleek, foldable indoor electric wheelchair that seamlessly combines performance, portability, and style. Designed for easy daily use with comfortable leg space and a small turning radius, it is powered by a robust 20AH lithium-ion battery, covering an impressive 14.3 miles on a single charge. With smooth maneuverability on various floor surfaces, its lightweight design makes it ideal for transportation in cars, airplanes, and more.

Feature



Ergonomic Chair



Remote Control



Flip-up footrest design

Product Features



Quality craftsmanship



Safety



Comfort



- Dual storage space
- Touch-controlled lighting
- 2-step folding
- Beginner mode
- Ergonomic chair
- Smart remote control

PART 02

Product Innovation



Liquid die forging process | Safety assistance system | Intelligent control

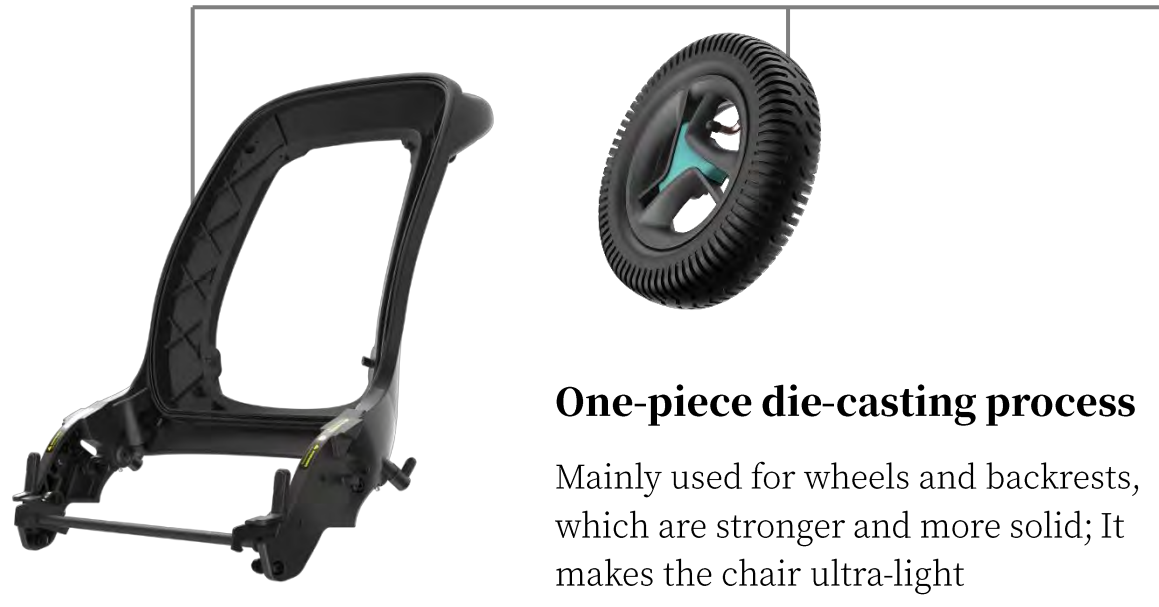


Product Innovation



Liquid die forging process

Liquid die forging (squeeze casting)
Toughness, strong load-bearing capacity, strong stamping resistance



One-piece die-casting process

Mainly used for wheels and backrests, which are stronger and more solid; It makes the chair ultra-light

What is one-piece die-casting?

By redesigning the multiple independent parts that need to be assembled in the original design and using a super-large die-casting machine to die-cast them in one go, we can directly obtain complete parts.

Foldable Power Wheelchair | Robooter E40

Driving safety assistance system

Hill-hold locking safety system

Automatic electromagnetic brake protection system
Stay on the slope safely without sliding down.

Upgraded braking system based on kinematic and dynamic models

Intelligent speed control based on the brushless drive

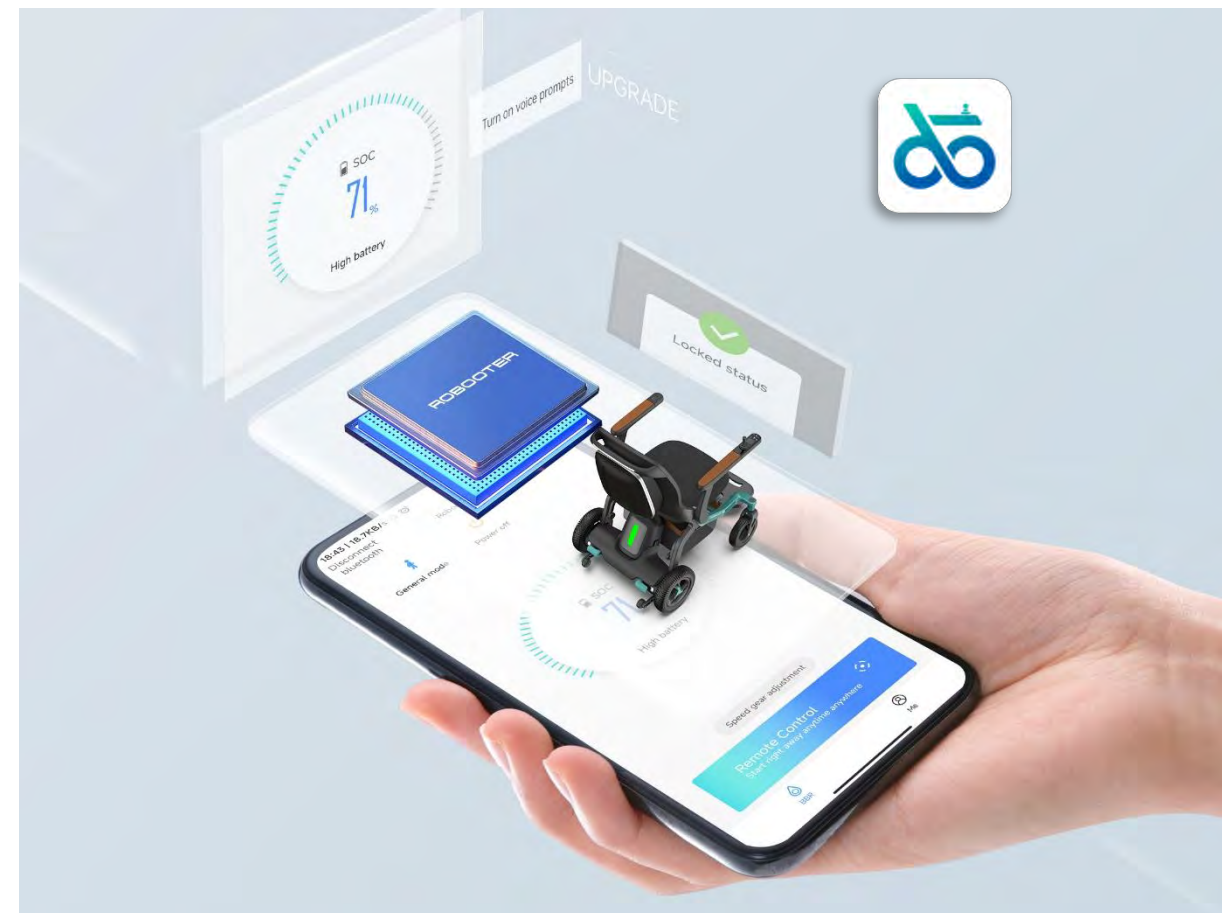
Intelligent speed limit based on brushless motor drive

Automatic hill holding when release the joystick



App Remote Control

- 01** Bluetooth Connection: Link your phone via Bluetooth to control the scooter remotely in real-time and view driving parameters through the app.
- 02** Cruise Control: Keep moving forward without pushing the joystick. Steering is controlled by the joystick.
- 03** Novice Mode: Speed is limited to suit the user's comfort, designed for the elderly.
- 04** Power Saving Mode: Auto shut-off after 30 minutes of inactivity to save power.
- 05** Precise Joystick Control: Smooth acceleration, quick deceleration, easy turning. Release the joystick to brake (braking distance: indoor $\leq 1.0\text{m}$, outdoor $\leq 1.5\text{m}$).



PART 03

Product Highlights



Dual storage space | Ergonomic chair | Two-step folding | Stylish appearance

Touch-controlled soft light | Battery light | Multiple control methods | 2 charging methods

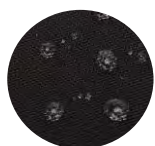


Product Highlights

1. Double storage space



Reflective
waterproof zipper



External Oxford
cloth, water-resistant and
wear-resistant



Internal EVA hot-pressed
molding
Strong shape,
corrosion resistance, shockproof, buffering, heat
preservation, moisture-proof



Large capacity backpack
Load-bearing: 5KG



6 compartments backpack can
hold A4 paper, 14-inch computer
IPX4 waterproof rating

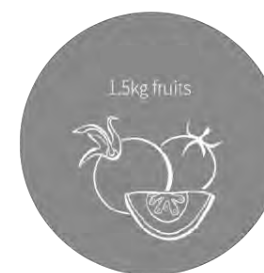
Bottom mesh bag
Load-bearing: 5KG



Dirt-resistant, removable
and washable



+



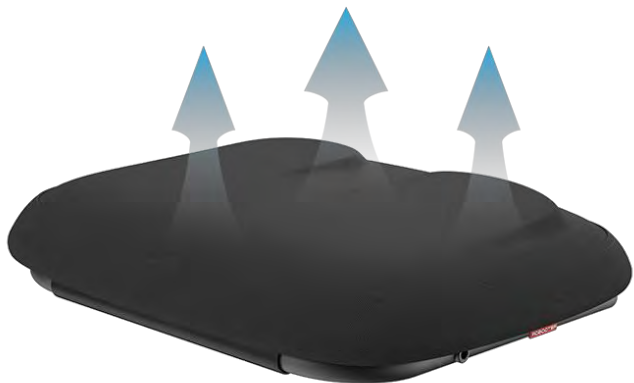
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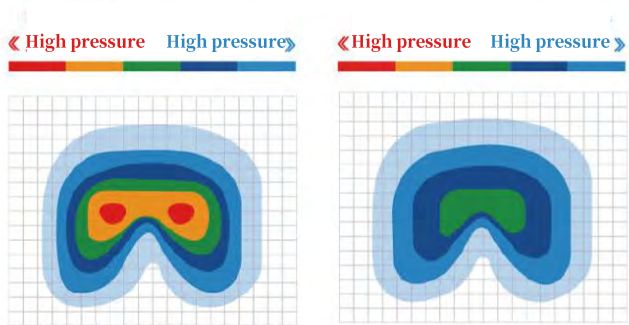
**The total storage space is about 30L, equivalent to
an 18-inch suitcase**

Ergonomic chair

Highly elastic, removable seat cushion



High resilience sponge cushion



Excellent comfort

The 3D high-resilience sponge provides precise and stable support for the pelvis, reduces pressure on the support surface, helps disperse body pressure, reduces pain, and allows users to sit longer.

- Based on the correct sitting posture, create a 106-degree chair back and a 4-degree reclining bionic curve design;
- Highly resilient detachable seat cushion.



Correct and comfortable sitting posture improves sleep and heart rate

Leather armrests; Adjustable footrests

01

Soft and comfortable leather armrests



02

Two gears for adjustable footrest



Remote control device
Switched between left and right handrests
Handrail surface covered with leather

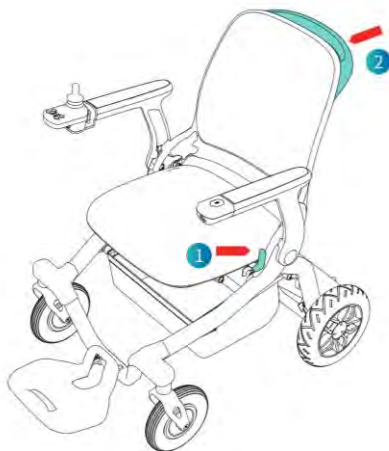


Two-step folding

Easy to Fold

Step 1, please press the foldingswitch with one hand.

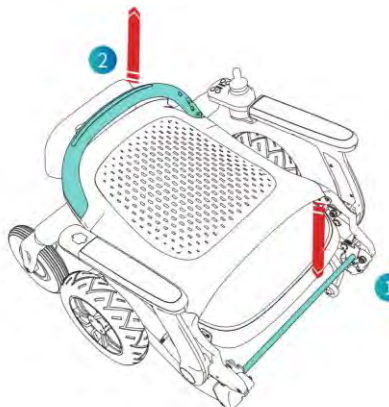
Step 2, push and lift the handle with the other hand until the electric wheelchair is fully folded.



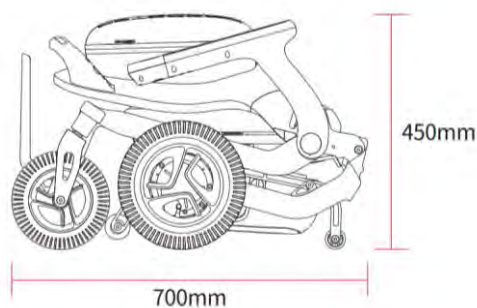
Easy to unfold

Step 1, press the folding bar down with one hand.

Step 2, pull the handle up with the other hand until the electric wheelchair is fully deployed.



Folding Size:
L700*W624*H450mm



After folding, similar as a 28-inch suitcase (L70cm*W47cm *H27cm) 12Ah Lithium batteries, UN38.8 certified, for the plane

Fashionable appearance



- The basic exterior colors are green and white, avoiding the all-black color scheme and satisfying a more diverse aesthetic.
- The product features a sleek, lightweight design with a screwless, seamless body for a simple, elegant look.
- The grinding flat welding process creates a smooth, integrated structure.
- While the silver powder coating adds a delicate, glossy finish that shines in the sunlight.



Product Highlights

Touch soft light

When touch the bottom of the handrail, the handrail lighting will turn on.



Battery Light

Provide users with night reminder function to improve travel safety.



Multiple control methods



Upper Controller with Button

APP interconnection
iOS and Android
compatible



App Controller



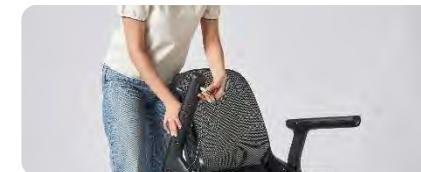
Remote Controller

Two ways to charge

- Connect the armrest charging port to charge the entire chair. Charging for removable battery
- BMS intelligent battery management system with longer battery life and more accurate power display.



Charging removable battery



Charging the port on the armrest

PART 04

Product Structure



Foldable Power Wheelchair | Robooter E40

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PART 05

Product Parameter



Foldable Power Wheelchair | Robooter E40

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Parameter	Kilometer version	Mile version
Unfolded Size(Mm)	1000 (L)X 624 (W) X 930 (H) MM	(L)29"x(w)24"x(H)36"
Folded Size(Mm)	700 (L)X 624 (W) X 450 (H) MM	(L)27"x(w)24"x(H)17.7"
Seat Size(Mm)	700 (H)X 440 (W) X 440 (D) MM	(H) 27" (w)17.3"x(D)17.3"
Cushion Size(Mm)	440 (L) X 440 (W) MM	(L)17.3"x (w)17.3"
Folding Method	MANUALLY FOLDING	MANUALLY FOLDING
Max Weight Capacity	150KG	330lbs.
Battery Capacity	20AH	20AH
Endurance Mileage	23KM	14miles (7miles with 10ah battery)
Max Speed	8KM/H	4.4mph
Barrier Crossing Height	4CM	1.6"
Max Ditch Width	10CM	4"
Gradeability	9°	9°
Front Wheel Material	HONEYCOMB PU TIRE	HONEYCOMB PU TIRE
Rear Wheel Material	PNEUMATIC TIRES	PNEUMATIC TIRES
Product Net Weight (Kg)	25KG	47.5lbs.
Battery Weight	3.4KG	7.5lbs.
Color	Green, White	Green, White

PART 06

Usage Guide

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



Usage Guide



User guide

Turn on/off

- 01** Power on/off by pressing the power button for 3 seconds;
- 02** Power on/off with a prompt sound;
- 03** On the normal mode or novice mode, you can remotely shut down through the APP;
- 04** The power on/off animation matches the power on/off audio rhythm.

Fold/Expand

- 01** The folding buttons are located on both sides of the seat;
- 02** Press the folding switch with one hand, push the backrest armrest forward and upward with the other hand, and then press it down to complete the folding;
- 03** Press the folding switch with one hand, pull up and push the backrest armrest with the other hand to complete the unfolding.

Novice Mode

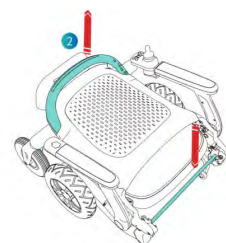
- 01** Click "FN" to enter the novice mode, and click "FN" again to exit the novice mode;
- 02** In the novice mode, the fastest speed is 2nd gear;
- 03** This function is specially customized for the elderly.



Turn on/off



Step 1



Step 2



Novice Mode

User guide

Lock function

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

Cruise control

- 01** Turn on the machine and unlock it.
- 02** Enable cruise control in the app.
- 03** Press and hold the accelerator for 3+ seconds to activate cruise control, confirmed by a sound prompt.
- 04** Push the joystick forward to start cruising.
- 05** If the joystick is not operated, a prompt will sound: 'Timeout, cruise control exited.'

Pushing Mode

- 01** Press and hold both the acceleration and deceleration buttons to enter Push Mode, indicated by a 'double-hand boost' symbol on the screen and a voice prompt.
- 02** To exit, push the joystick, press any of the four buttons (horn, mode, SOS, lock), and a voice prompt will say 'Exiting Push Mode.'
- 03** After exiting, the system defaults to Lock Mode, regardless of previous settings.
- 04** Additionally, with the power off, pressing the red brake button next to the rear wheel will also activate Push Mode, even when the battery is low



Lock function

Cruise control



Pushing Mode

Usage Guide



Charging detection function	1. When the device is plugged into the charger, the device will announce that it is charging. The LCD power indicator will display the charging status in the form of a running light; 2. During charging, it will be locked indefinitely. The joystick and APP are prohibited from controlling the wheelchair motor.
Power display function	1. The power display light 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 including buttons, joysticks, APP operation is not operated for 30 minutes, it will automatically shut down. It is the same as long pressing the power button.
Wheelchair speed display	1. LCD displays the wheelchair speed; 2. The speed display value has an accuracy of 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	The app connects to the device via Bluetooth and allows remote control. Joystick control takes priority over app control. App-controlled speed is lower than the device's normal speed (percentage). The app cannot enter remote control mode unless the device is in locked mode (app cannot control the device's lock status). While in remote control mode (device in locked state), pushing the joystick or pressing any of the following buttons—horn, mode, SOS, lock, gear+ or gear—will revoke app control and exit remote control mode. The app remote control speed is set to 50% of the device's first gear speed (remote control only works when locked, and the speed is automatically set to first gear).
APP configures device driving parameters	App can set 2 highest gears; Default is high gear.
APP Voice Settings	1. The APP can control the voice prompt and voice alarm switch; 2. The APP can set the voice volume with three levels; 3. During the reversing process, it will play once every 10 seconds.



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