

Multifunctional Electric Rollator

Guide book



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1.Introduction of product

Multifunctional elderly mobility scooter is a multifunctional product that solves the travel needs, nursing needs, rehabilitation and exercise needs of the elderly. The product has various functions, and different functions can be adapted to the elderly.



2.Guidebook

Note: Please read the safety guide carefully before use, for safely and avoid potential risks caused by errors.

- ⚠ Do not allow children or those who do not understand the function of the product to control the product.
- ⚠ Users are prohibited from sitting on the product in any form of transport vehicle.
- ⚠ Drivers are forbidden to modify this product without permission, the company will not be responsible for the consequences.
- ⚠ The Company shall not be responsible for any consequences arising out of the use and application of this instruction manual.
- ⚠ Do not stand on the pedal, which may cause damage to the pedal and affect personal safety.
- ⚠ Do not use in heavy rain and strong winds.
- ⚠ It is prohibited to use on ramps over 6°.
- ⚠ It is forbidden to carry people. If you fall more than 20mm, the impact will damage the vehicle body.
- ⚠ It is forbidden to lean out of the vehicle body when carrying people to avoid safety risks.
- ⚠ Because the charger of this product is in a closed space, the product needs to be placed in a ventilated place when charging, so as to ensure full heat dissipation of the charger.
- ⚠ Drivers are prohibited from exceeding the safe load range of 100kg.

3.Vehicle Structure



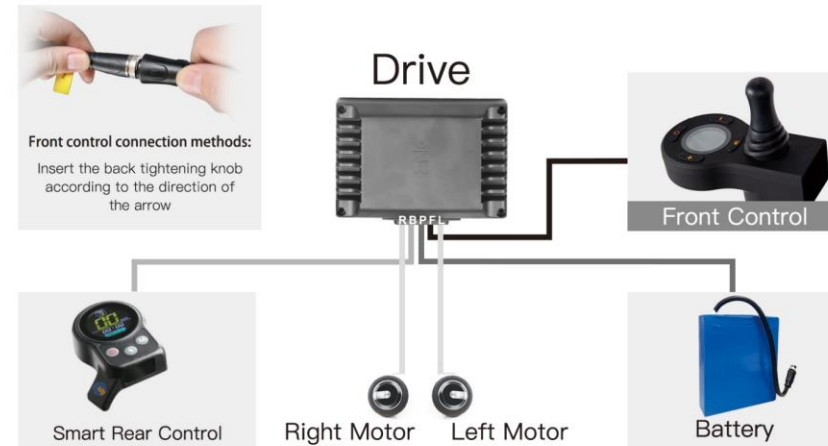
Foot rest folding step



01.Lift foot rest 02.Rotate 90° to the frame

- 01:rear controller 02:brake handle 03:back cushion (reversible)
- 04:Back pad height adjustment knob 05:Handrail flip knob
- 06:front controller 07:Front control length adjustment knob
- 08:charging port 09: cushion 10: Foldable foot support
- 11:Foldable foot support 12:rear-wheel: 8 "wheel hub motor
- 13:front wheel: 8 inch universal wheel

4.Circuit Diagram



5. Functional range

product	Rehabilitation	Nursing	Electric Driving
	01~03gear	C1~C3gear	1~5gear
	rear controler	rear controler	front controler
population	Seniors And Patients	Trouble Walking	Unable To Walk Long Distance
physical condition	Trouble Walking	Trouble Walking	Unable To Walk Long Distance
scene	Support Walking Exercise	Support Nursing	Driving

6. Front Control



Gear: 1~5, the higher the gear, the faster the speed, forward speed is 1.2~6KM/H, backward speed is 1.0~2.2KM/H.

Short press the switch button, up control boot; Long press the switch button, up control off.

When the front control works, the back control automatically fails.

7. Rear Control

Supporting mode: it is used for the support of people with mobility problems. Multi-Functional Rollator provides resistance to prevent the wheel from turning too fast and causing the user to fall.

Gear: 01-03, the resistance gradually decreases, supporting force gradually weakened. Anti-fall: when pushing, if the speed of the rollator is too fast, the emergency autobrake, the liquid crystal display screen displays "EE", release the grip, the rear anti-fall is relieved, and "EE" disappears.

Others: The touching panel is invalid in supporting mode

Power assisted mode: it is used for carrying or carrying people. The Multi-functional vehicle provides automatic power assistance to push and ease

Gear: C1~C3, power assistance gradually increases, moving speed gradually increases, maximum speed 4.8km /H.

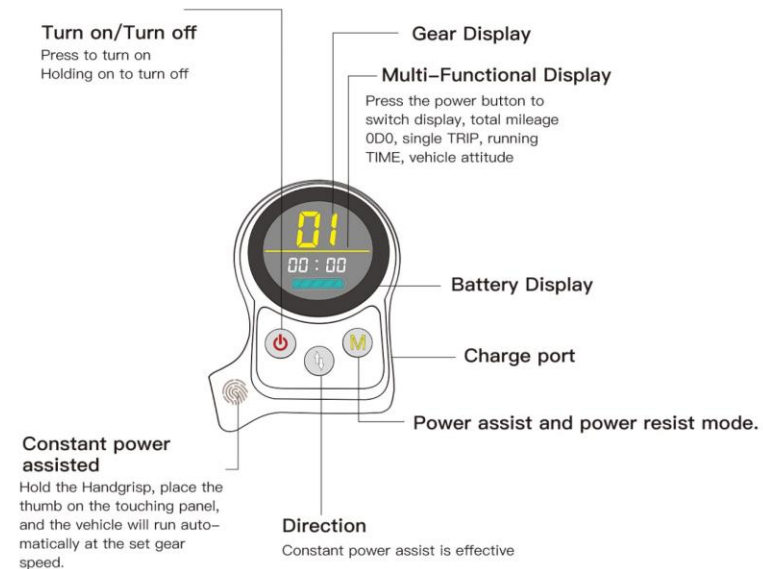
Automatic lock: 5 seconds after leaving the handgrip, the system will automatically lock, the liquid crystal display screen displays "LL", The Multi-Functional Rollator lock automatically, can not move; Hold the handgrip and the press button or any key, the lock is released, and "LL" disappears.

Automatic power assisted: hold the handgrip, unlock and push the Multi-Functional Rollator. At this time, the Multi-Functional Rollator will generate a certain force by speed of the user to push the motor, and automatically drive the Multi-Functional Rollator to move, making it easier to push.


Power assisted switch: thumb touch the touching panel, the power generated by the motor will increase, the power assisted effect is more obvious, the speed of movement will be accelerated according to the different gear.

Others: There is no anti-fall function in power assist mode.

Cross obstacle mode: Select C1~C3 gear, hold the handgrip to stop the Multi-Functional Rollator, thumb touch the touching panel, the front part raised, it will stop to a certain Angle to ensure the safety of user



8. Rear Control Usage

.Turn on/Turn off: Press  After the "beep" sound, the Multi-Functional Rollator is turned on successfully

.Holding on  after the "beep" sound the Multi-Functional Rollator is turned off successfully;


.Mode: Press  to change mode;

.Direction: Press  to change direction;





Grip reaction:

.Lock mode: Hands away from the handgrip or away from the rear control 15 cm, after 5 seconds, the system locked, LCD display LL is in brake mode and cannot move.

.Active mode: Hold the handgrip, within 10cm from the rear control, if in lock mode, LCD display "LL", keep thumb on the touching panel or press any button, it is unlocked, and "LL" is cancelled

.The icon  is on, and handgrip reaction works.

.Power assist mode: Constant power assist and auto-power assist.

.Constant power assist: Hold the handgrip (icon  is on), keep thumb on the touching panel (icon  is on) the vehicle will run automatically at the set gear speed, press  to change direction (If the LCD icon  keeps flashing, it means to back up).

.Auto-power assist: Hold the handgrip, push the Multi-Functional Rollator, it power assisted automatically, push forward and the power to the forward, move back and the power to the back. The faster the speed, the more obvious power, the higher the gear, the more obvious power. It can create resistance when going downhill.

.If the uphill power assist is insufficient, the constant power assist can be started.

9. Product Parameter

Product specifications and component names

This product consists of frame, H-shaped Bar, front wheel, hub motor rear wheel, remote control, battery box, control box, auxiliary wheel Seat back cushion, pedal and other components.

electrical parameter:

Motor: DC24V 250W2*2

Charger: AC110-240V 50-60Hz The maximum output current: 2A

Controller: The maximum output current : 40A running current 2-3A

performance parameter:

1 Maximum speed: $\leq 6\text{km/h}$ Brake performance: $\leq 1.5\text{m}$

2 Static stability: $\leq 9^\circ$ Dynamic stability: $\leq 6^\circ$

3 least radius of gyration: $\geq 900\text{mm}$

Unfold Dimension: Leng1000 * Width660 * Height (800-900)

Fold Dimension : Length770 * Width290 * Height900

Weight : 18.6Kg

Size of Front Tyre : 8inch

Size of rear tyre : 8inch

Cushion Size : 450*290mm

Support Up To : 100Kg

Motor Power : 2*250W

Battery Capacity 5.2Ah/10Ah

Driving Range: 10-25km/h

Front control : 0-6km/h Rear control : 0-0.53km/h

Material: Aluminium alloy Charging Time:

5.2Ah: 2-3hours 10Ah: 5-6hours

10. Open and fold

To open the product, lift up the strap on the seat, hear a "click", indicating that the buckle has been released, and Press down on both sides of the cushion with both hands to make it flat. Reminder: Pay attention to the middle position of seat cushion as far as possible, avoid clamping hands



When folding the product, please first take the folding foot support; First lift both sides of the foot bracket, and then rotate to the right (left) to fit with the scooter, so that Then lift the strap on the cushion, hold both sides of the cushion with the palm of the hand and squeeze inward to complete the folding .



11. Installation and adjustment of components

(一) .Front control installation

1.First remove the screws at the bottom of the front control with a screwdriver, then install the front control into the card slot on the frame, then fix the two with screws, tighten the adjusting button of the front control, and then connect the connecting line of the front control with the line marked with the front control on the frame to the arrow to complete the installation of the front control



2.Rotate the front control button to adjust the position of the front control



(二) .Installation of rear control

Align the bottom slot of the rear control with the slot on the armrest



(三) .Adjustment of handrails

Press the switch to adjust the position of the handrails on both sides



(四) .Handrail height adjustment

Open the lock button buckle, press the armrest switch with a hand, and lift the handle up with the other hand, which can be adjusted to the corresponding height as required; Lock the button after adjustment.



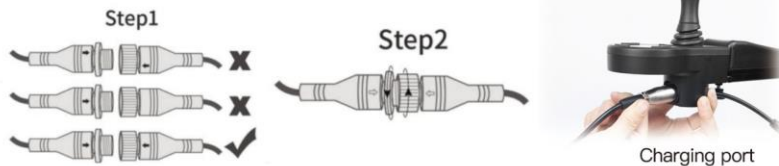
(五) .Back cushion adjustment

The height of the backrest can be adjusted by rotating the button on the backrest pad. The backrest pad can be turned back and forth, and it can be adjusted to the front in the booster mode. The driving mode can be adjusted to the rear.



(六) .Connecting cable and charging procedure

The interface is charged at the socket under the controller. Please note where the charger interface is inserted To. guarantee



12.Error code listing

Please read the operation guide and precautions carefully, The wheelchair passes the strict product test, the product quality is excellent. If the LCD screen error code because of misoperation, Please refer to the following error code description, Repair according to error instructions If hardware problems, please contact customer service to explain the situation maintenance and disposal in time, When the symbol is flashing, Enter the error code interface, and the corresponding number in the interface represents the corresponding fault content, details as follows

Error code	Failure Cause	Solution
E0002	Left motor malfunction	Check whether the left motor outlet is damaged. If damaged, replace the motor Check whether the hall port of the left motor is securely inserted or whether the waterproof port of the motor is securely inserted Without the first two cases, replace the drive
E0004	Right motor malfunction	Check whether the right motor outlet is damaged, if damaged, replace the motor Check whether the hall port of the right motor is securely inserted or whether the waterproof port of the motor is securely inserted Without the first two cases, replace the drive
E0008	Left motor current detection error	Contact manufacturer to replace the driver
E0010	Right motor current detection error	Contact manufacturer to replace the driver
E0020	battery power detection is incorrect	Contact manufacturer to replace the driver
E0040	15V voltage malfunction	Contact manufacturer to replace the driver
E0800	Front control communication failure	Contact manufacturer to replace the driver and front control
E-021	Rear control communication failure	Contact manufacturer to replace the driver and rear control
EE	Tumble alarm	Return to normal after white alarm
E-023	Attitude sensor abnormal	Contact manufacturer to replace the intelligent rear control
E-024	Vehicle attitude calibration	Please read the instruction book appendix 1 (Initialized vehicle attitude calibration)
E-025	The grip detection sensor abnormal	Contact manufacturer to replace the intelligent rear control
E-026	The grip detection sensor Uncalibrated	Contact manufacturer to replace the intelligent rear control
E-027	The touch panel is abnormal	Contact manufacturer to replace the intelligent rear control

13.Preventive inspection

Check the following items before use, to keep the product in a safe state for use. Please Contact manufacturer if it needs to be repaired

1. Note: Check the screws on the universal wheel, driving wheel, brake and other parts, and lock them tightly. Adjust tire pressure when braking is not effective. If there is still any problem after the tire pressure adjustment, please inform the after-sales service department.
2. In case of a flat tire, please seek help from the service department or the nearest bicycle shop. Do not use the wheel chair with a flat tire.
3. Do not place the product in the place where it is easy to be doused.
 - 1.Wipe with a diluted cleaning solution stained.
 - 2.The Multi-Functional Rollator should be maintained with a lubricant monthly.
 3. cushion, back cushion, armrest, should be washed with warm water and diluted soapy water regularly.



.Stored in a well-ventilated room, the ambient temperature is $-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$, the relative humidity is not more than 93% , No harmful gases, flammable, explosive substances and corrosive gases are allowed. Suitable for highway, railway, air and water transport

.In the process of loading and unloading and transportation, it shall prevent violent vibration and impact, and shall not be affected by moisture, and shall not be with flammable and corrosive substances

Warranty card

In the case of non-human damage and normal use in strict accordance with the instructions, the following quality guarantee is made.

1, Frame/body (seat cushions, tires, front wheels, brakes,etc. except the consumables.) It is guaranteed for one year from the date of purchase

2, Battery: It is guaranteed for one year from the date of purchase

3, Controller: It is guaranteed for one year from the date of purchase

4, Charger: It is guaranteed for one year from the date of purchase

Product Name : _____

Model Specifications: _____

Serial Number: : _____

Batch Number: _____

Date of Purchased: _____

14.The guide

15.Declare

This manual is a standard manual The basic description is the basic description of the product The actual purchased configuration and accessories are not described herein, optional items are subject to actual purchase