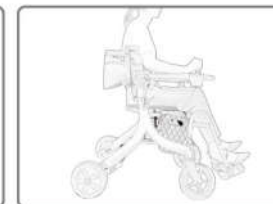


Multifunctional Electric Rollator

Guide book

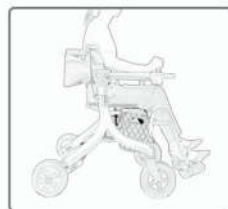


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1.Introduction of product

Multi-functional vehicle for the elderly is a multi-functional product that can solve the travel needs, nursing needs, rehabilitation and exercise needs of the elderly. The product has a variety of functions, which can be adapted to the physical conditions of different ages. A car can solve most of the problems of elderly travel, avoid the problem of single function of traditional products, can be a rollator, walker, wheel-chair, electric wheelchair and other functions, is an effective helper for the elderly life.



2.Guidobook

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

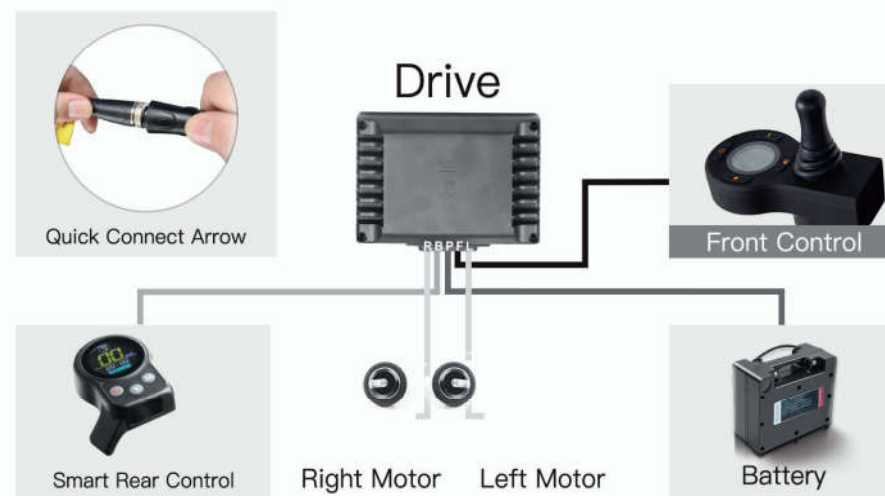
- ⚠ Control of the product by children or those who do not understand its functions is prohibited.
- ⚠ Users are prohibited from sitting on the product to be transported by any form of transport vehicle.
- ⚠ Prohibit private modification of products, the consequences are not responsible.
- ⚠ Prohibit beyond the guidance of use and applicable restrictions, the consequences are not responsible.
- ⚠ Do not stand on the pedal, which may damage the pedal and affect safety.
- ⚠ Do not use in heavy rain and windy weather.
- ⚠ Do not use on ramps over 10°.
- ⚠ If users fall more than 8cm, the impact will damage the structure.
- ⚠ It is forbidden to lean out of the vehicle when carrying people to avoid safety risks
- ⚠ Keep ventilation and heat dissipation while charging
- ⚠ Do not exceed 100kg safe load range.

Vehicle Structure



- | | | | |
|------------------------|--------------------------------|------------------|----------------------------------|
| 01-Rear Control | 02-Brake | 03-Backrest | 04-Height Adjustment Of Handgrip |
| 05- Handgrip Turning | 06-Front Control | 07-Charging Port | 08-Cushion |
| 09- Foldable Foot Rest | 10-Large-Capacity Shopping Bag | 11-Motor | 12-Front Wheel |

Circuit Diagram



3. function

	Rehabilitation	Nursing	Electric Driving
People	Seniors And Patients	Seniors And Patients	Seniors And Patients
Physical Condition	Trouble Walking	Trouble Walking	Unable To Walk Long Distance
Scene	Support Walking Exercise	Support Nursing	Driving

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.

Others: the front control and rear control are mutually exclusive. When the front control is working, the rear control automatically stops, and vice versa.

3.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

Turn on/Turn off
Press to turn on
Holding on to turn off

Gear Display

Multi-Functional Display

Press the power button to switch display, total mileage ODO, single TRIP, running TIME, vehicle attitude



Battery Display

Charge port

Power assist and power resist mode.

Constant power assisted

Hold the Handgrip, place the thumb on the touching panel, and the vehicle will run automatically at the set gear speed.

Direction

Constant power assist is effective

4.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 creates resistance when going downhill.
- .If the uphill power assist is insufficient, the constant power assist can be started.

Initialized vehicle attitude calibration

Initialized vehicle attitude calibration

.If error code appears after boot "E-024", please configured as follows:

.Method 1: place the Multi-Functional Rollator horizontally, rear controller must be fixed in the installation position and cannot be moved.

.Press  turn on: holding on  and  enter mode setting: on setting interface.

.Press  switch to "F4", press  to set specific parameters. The setting area is continuous flickering.

press  set the parameters to "1", and there is a voice prompt: the attitude is calibrating automatically, wait for the process to complete then return to , main form, calibration is completed.

.Method2: place the Multi-Functional Rollator horizontally rear controller must be fixed in the installation position and cannot be moved.

.Shut mode holding on  : after 10 seconds, until LCD display "F4", with voice prompt , then release  Attitude starting calibrat automatically, wait for the process to complete then return to , main form, calibration is completed.

Rear Control Usage

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 250W*2

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

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

performance parameter:

1 Mmaximum 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: $\geq 1200\text{mm}$

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 : 6Ah/10Ah
Driving Range: 12-20Km/H
Speed :0-4Km/H
Material: Aluminium alloy
Charging Time: 4~5hours
Warranty: 1year

5.Vehicle opening steps and cable connection steps, and charging steps.

- 1.Open the vehicle packing case, Take out vehicle and charger and other objects.
- 2.Place vehicle horizontally , unlock clasp (as shown in the figure JPEG1-1: -2)



- 3.Lift armrest to replacement it. (as shown in the figure JPEG1-3; JPEG1-4)



5. Vehicle opening steps and cable connection steps, and charging steps.

4. When the vehicle opened, press the cushion on both sides until the seat is flat, on hearing "click". (as shown in the figure JPEG5~7), the Multi-Functional Rollator can be open easily (Caution: Pay attention to the middle of the seat as much as possible and beware of your hand)



5. When folding, turn over the pedal at first, when the pedal are collapsing, hold up the front pedal first, then turn right (turn left) fit to the body, hold up the strap, Hold the sides of the cushion and push them to the inside the clasp can be locked (as shown in the figure)



2. Installation and adjustment of each component



Press the switch to adjust the handlebar height



Rotate the button to adjust the position of the front control



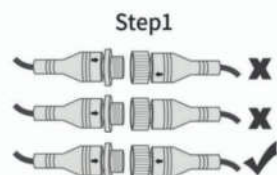
Parallel moving Upward Cadence braking Pull down the brake and lock



Backrest can be take over and adjustive

3. Cable and charging procedure

The charging port is under the controller, please pay attention to the direction of the charger port insertion. Make sure it doesn't get water ingress. When the joint is connecting, it is necessary to pay attention to the matching of the notch, and the black arrows on the left and right joints should be corresponding, and the joint should not be forcibly inserted to prevent damage (as shown in the figure).



Step2

Charging port



6. Error code lising

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
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

7.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