

OPERATION MANUAL



POWERED STAIR CLIMBER

CT250S/CT250SA

CATALOG

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1 Symbols and safety instructions



WARNING: May cause serious injury or death!



CAUTION: May cause slight injury!



NOTE: May cause machine damage!

- Read the user's manual and pay attention to the warning and safety instructions before operation.
- Check the electronic functions, battery capacity and crawler tracks.
- Store the stair climber in an environment above 0°C for at least one hour before operation.
- Read the technical parameters carefully. Do not exceed the rated weight.
- Only trained person can operate stair climber. The operator should be in health both physically and mentally.
- When the stair climber is going upstairs and downstairs, other personnel shall not stand under the machine .
- Anti-skid shoes are required. It must be operated with two hands. Run the pilot operation without load and at low speed.
- Make sure there are no obstacles on the stairs and the steps are not slippery.
- Only for transport of cargo, not for people. Safety strap must be used to secure the cargo.
- Do not reach under the load plate or touch the rotating part and crawler track.
- Do not use the stair climber in rainy, wet, snowy or icy conditions, as side-slip or other potential dangers may be caused.
- Do not use stair climber if the crawler tracks or the caster is broken.
- Do not use stair climber on road that is slippery or with barriers.
- Do not use the stair climber on the escalators or moving belts.
- Turn off the stair climber immediately if the drive part is stuck.

- Make sure the power is off during transportation and comply with the relative laws and regulations.
- Keep the battery plug-in slot dry. Protect the charger and the charging cable from oils, thinner and items with sharp edges.
- Do not use high-pressure cleaning equipment. Store it in dry condition.
- For repair or maintenance please contact with local agency or distributor authorized by XSTO CO., LTD.
- External factor such as sunshine may cause the surface to heat up. Keep it away from the flammables.
- The stair climber may interfere the induced electromagnetic field of electronic equipment (such as security system of department store).
- Only the accessories provided by XSTO CO., LTD. can be used.

2 Description

2.1 Technical parameters

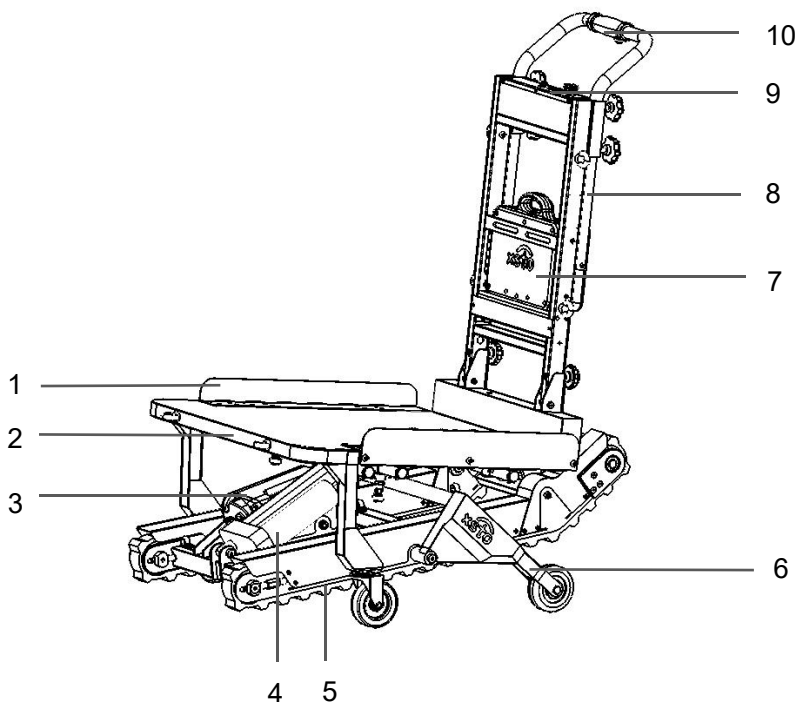
This manual is for CT250S/CT250SA powered stair climber ONLY.

The differences between these two models are as follows:

- CT250S is equipped with a loading plate retractable structure;
- CT250SA without loading plate retractable structure.

Note: The following description is based on the CT250S .

2.2 The structure



1: Loading plate retractable structure(CT250SA without this component)

2: Loading plate

3: Loading plate electronic actuator

5: crawler tracks

7: Battery

9: Operation panel

4: Rear support wheels electronic actuator

6: Rear support wheels mechanism

8: Handrail

10: Operating button

2.3 Application fields

This series of product is a kind of new type of stair climbing equipment that can smoothly push food containers, barrels or other goods on the level ground as well as carry them up and down stairs. It is mainly used in the distribution and carrying of the group meal industry in schools, factories, office buildings, residential buildings and other places.

2.4 Technical Parameters

Stair Climber Technical Parameters

Model	CT250S	CT250SA
Flat ground model machine dimension	Height: 1246 mm Width: 706~1110 mm Length: 1075 mm	Height: 1246 mm Width: 706 mm Length: 1075 mm
Loading plate dimension	Width: 706 mm Length: 700 mm	
Max. adjustable length of Loading plate retractable structure (single side)	202 mm	—
Weight	Main body: 75 kg Battery pack: 3.1 kg	
Rated capacity	250 kg	
Upstairs speed (250kg load)	High speed: 43 steps/min	

Model	CT250S	CT250SA
Downstairs speed (250kg)	High speed: 53 steps/min	
Motherboard type	Type A	
Battery capacity	94±3 floors (1504±50 steps)	
Folding form	Handle retracted and rotated	
Available Stair angle range	25° ~33°	
Max. Height of step	210 mm	
Max. Width of carrying cargo	1110mm	
Required step width (straight ahead steps)	Machine + load + 100 mm	
Min platform size	1300 mm x 1300 mm (turning stairs)	
Battery type	Lithium battery pack	
Battery parameters	48V, 10AH	
Charging parameters	Input: AC110-240V Output: DC54.6V * 4A	
Motor	DC motor 48V 500W	
Electronic actuator	Support wheel: 48V 5000N Loading plate: 48V 2000N	
Noise level	<70dB (1m horizontal distance measurement)	
Storing/Operating temperature of device	-5℃~35℃/0℃~40℃	
Storing/Operating temperature of battery	-5℃~35℃/0℃~40℃	
Serial number	on nameplate	
Protection level	IP33	
Lifespan	3years or 50000steps	



Note: Stair climber parameters are based on ambient temperature 25℃. In a low-temperature environment, the load

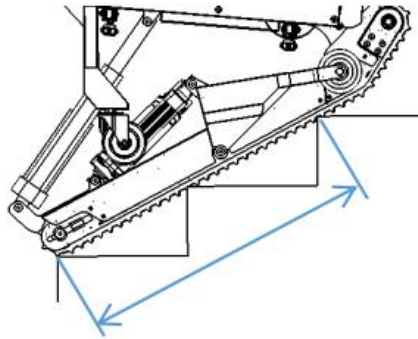
and endurance will be reduced. This product is recommended to be used within 1000 meters above sea level. It is recommended to use it under ambient humidity range of 45%-85% (no frost or snow).



Note: Product processing error leads to different weight of each product, and it generally remains within the range of $\pm 0.5\text{kg}$ of the weight listed in the table.



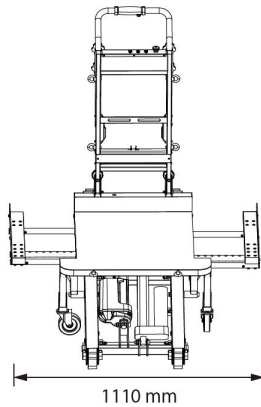
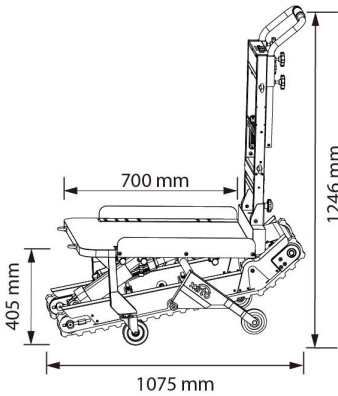
When the product is in operation, the length of the three-pointed line formed by the outer corners of the three steps on the staircase shall not exceed 760mm, as detailed in the accompanying drawing.



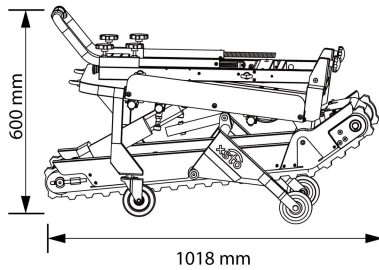
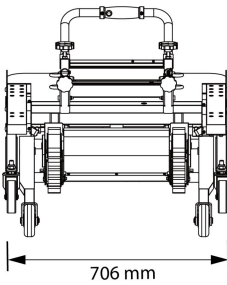
WARNING: The center of gravity for the cargo should be located in the center of the loading board. If the center of gravity of the cargo exceeds the loading board, it should not be transported by the stair climber.

2.5 Dimension

■ CT250S

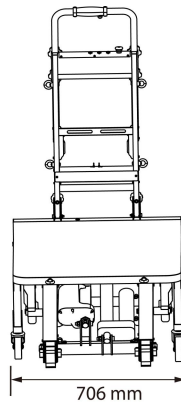
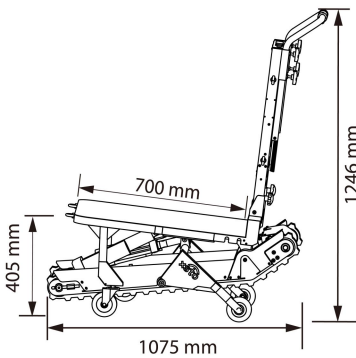


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size

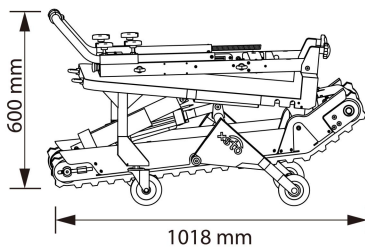
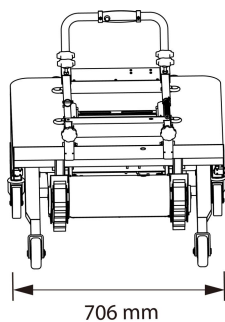


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■ CT250SA



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2.6 Standard Accessories

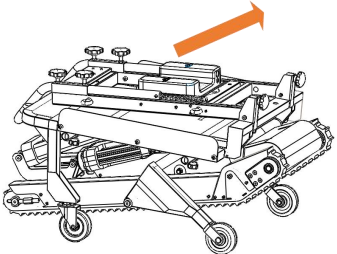
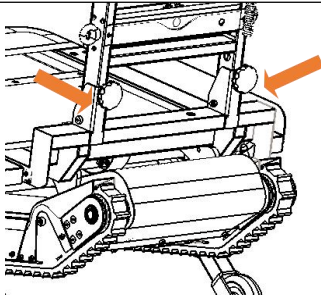
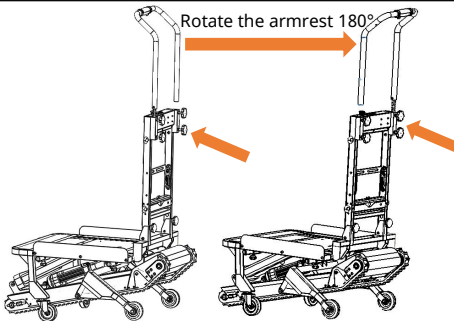
① Main Body	② Safety Strap	③ Battery Pack	④ Charger, 48V (for Lithium battery only)

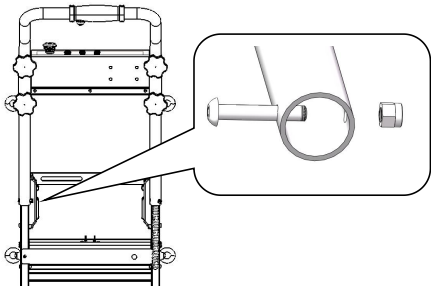
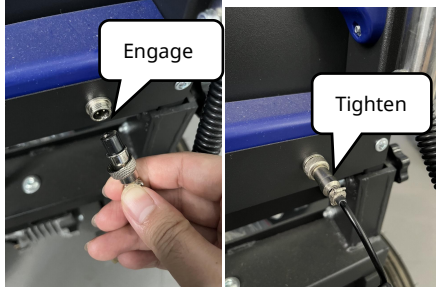
3 Initial operation



Note: Please put the machine in the environment without freezing (above 0 °C) before initial operation!

3.1 Installation Instructions

	Open the back panel of the stair climber to a vertical angle.
	Secure the back plate of the stair climber using the plum screws.
	Loosen the plum screws , pull out the armrest and rotate it 180° then insert it, tighten the plum screws.

	Put the M5*30 screws through the through-hole at the left end of the armrest and fit the M5 nut at the other end to lock it.
	Engage the aerial plug (male) on the spring wire with the aerial plug (female) on the back plane, then tighten the nut on the aerial plug (male).



Note: If you find any abnormality in the machine during installation please contact the manufacturer or local dealer immediately.

3.2 Check before using stair climber



Warning

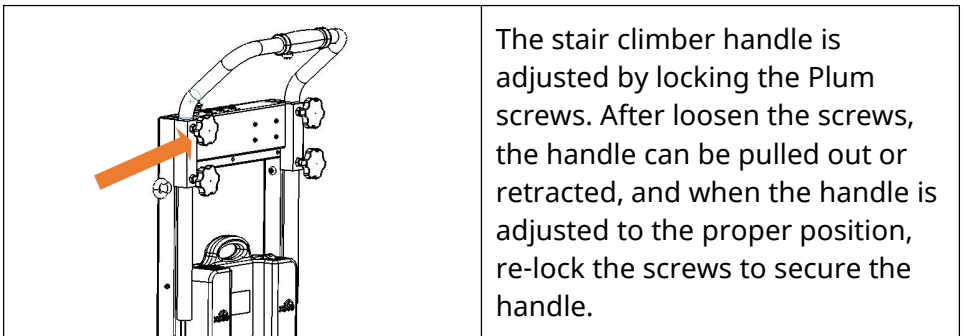
Stop operation when the following issues occur and contact manufacturer or local dealer for stair climber repair.

- (1) After the power is turned on, press the operation panel button and there is no response.
- (2) After the power is turned on, the laser marking line does not light up.
- (3) Press the operation panel button but to find the function is inconsistent with the manual function, or the function is missing.
- (4) The armrest height can't be adjusted or locked.

- (5) The width of the loading plate expansion mechanism is not adjustable or lockable.
- (6) Cracks are identified on the crawler tracks, or the track deviates the gear during functioning.
- (7) stair climber makes abnormal sound during functioning.

Please stop using stair climber if there is any damage to the remaining parts or abnormal vibration, which is difficult to determine whether the machine can be used safely during functioning.

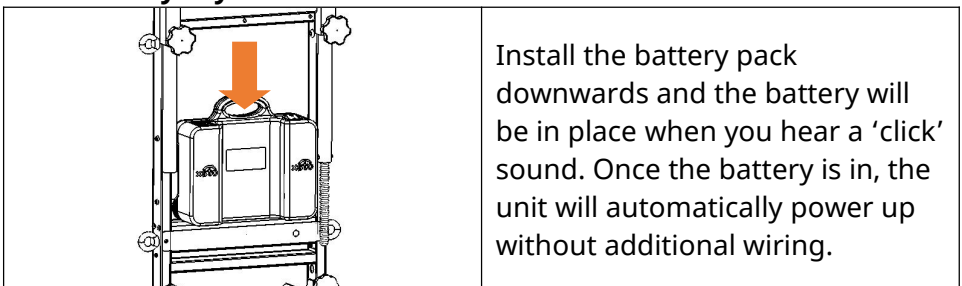
3.3 Handle position adjustment



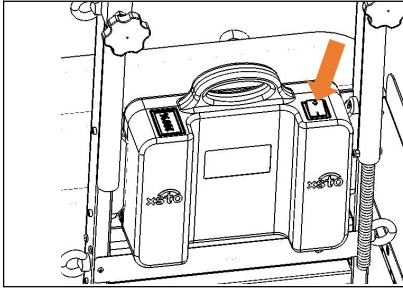
3.4 Installing the Battery



Note: Keep the conductive copper sheet on the outside of the battery dry and clean!

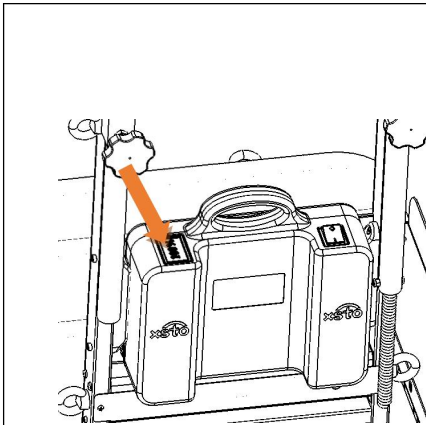


3.5 Start the stair climber



Press the power switch and the power display will light up.

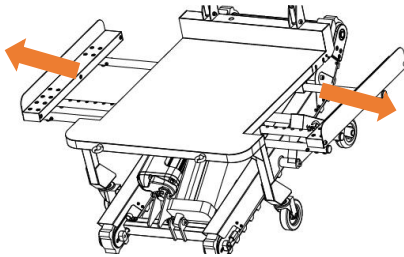
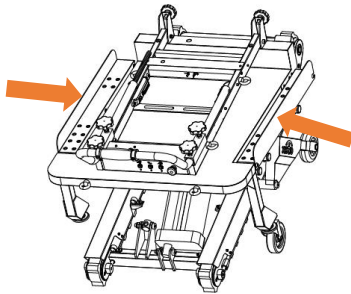
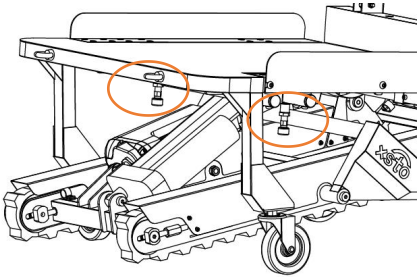
3.6 Checking the battery capacity



1. When the power is 30%~100%, the power is sufficient for normal use;
2. When the power is 10~30%, it means the power is low, then you should charge or replace the battery;
3. When the power is lower than 10%, please replace the battery immediately.

When the motor is not running, the battery level that shows on the indicator light is more accurate.

3.7 The loading plate retractable structure(CT250S)



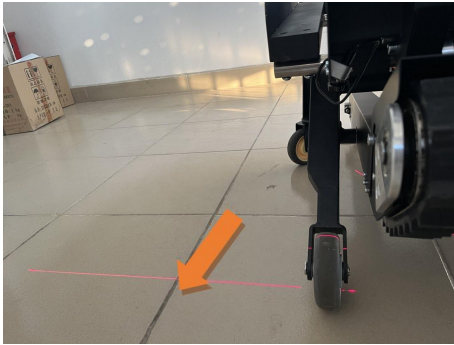
Both bottom sides of the loading plate are equipped with rotating plunger assemblies, which enable free stretching control of the loading plate telescopic mechanism and precise adjustment of the width of the loading surface.

Hold the rotating plunger and pull it down, meanwhile pulling the telescopic mechanism horizontally outward. Adjust it to a proper position, align it with the hole, and then release the rotating plunger to fix the loading plate telescopic mechanism.



Warning: Both side ends of the loading plate telescopic mechanism should be adjusted symmetrically, so that the centre of gravity of the cargo is located in the centre of the loading plate, to avoid the risk of side-over caused by partial load.

3.8 The laser marking line



When the stair climber is activated, a red laser marking is projected onto the floor, which is used to determine the timing of the rear support wheel mechanism retraction and release for the upstairs and downstairs process.



Warning: Never project laser markers directly into human or animal eyes! Avoid permanent damage to vision!

4 Operation



Warning: Only trained person can operate stair climber.



Warning: Practice must be carried out with no load!



Warning: The goods must be fastened with straps!

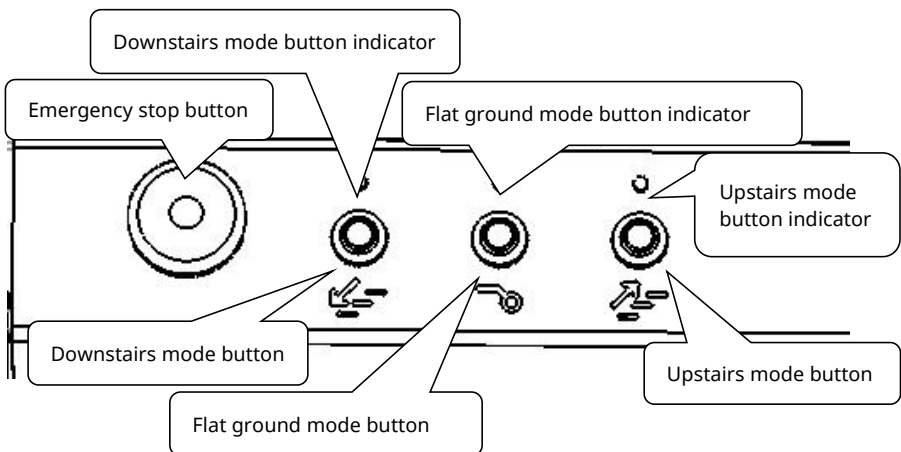


Warning: When the machine is in operation, keep your body parts away from the crawler tracks, loading plate, cowlings and other mechanical positions to avoid personal injury!



Warning: Do not operate the machine other than the following operating procedures. If the machine is abnormal due to incorrect operation, contact the manufacturer or local distributor immediately.

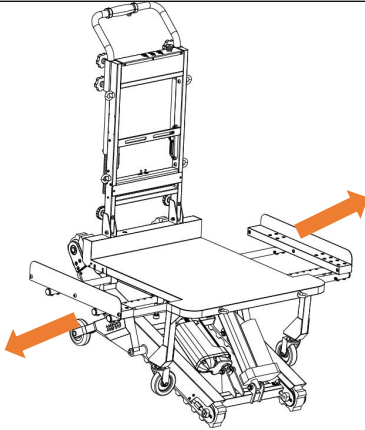
4.1 Operating instructions for the operating panel



Designation	Functional Description
Emergency stop button	Press this button under emergency situation, the stair climber crawler tracks, loading plate and support wheel mechanism will stop immediately.
Flat ground mode button	1. Press this button while the stair climber is on a flat ground and the machine will adjust to the flat ground push mode; 2. Pressing this button when the stair climber is in a stable position on stairs will lower the support wheel mechanism of the machine.
Flat ground mode indicator	1. During the flat ground push mode, the indicator light is always on in green; 2. During the adjustment of the flat ground push mode, the indicator light is always on in yellow; 3. When the emergency stop button is pressed, the indicator light is red.
Upstairs mode button	1. Press this button when stair climber is on level ground, the stair climber rear support wheel mechanism will retract and the machine switches to the up stairs mode; 2. Press this button when stair climber is in a smooth state on the stairs, the machine state will remain unchanged and the machine will switch to the up-stair mode directly.
Upstairs mode button indicator	1. When the stair climber is stable on the stairs in the upstairs mode, the indicator light is always on in green; 2. When the flat ground push mode is switched to the upstairs mode and the rear support wheel mechanism is retracted, the indicator light is always on in yellow; 3. The indicator light is always in red when the machine is lowered by the rear support wheel mechanism in the staircase mode;

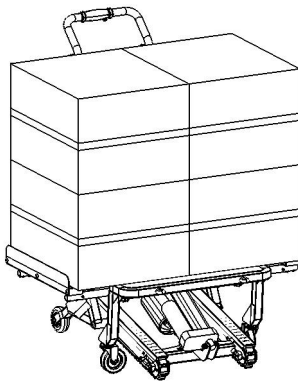
Designation	Functional Description
	4. The indicator light is always in yellow when the rear support wheel mechanism is lowered in the upstairs mode.
Downstairs mode button	1. Press this button when stair climber is on the flat ground, stair climber rear support wheel mechanism will be lowered and the machine switches to downstairs mode; 2. Press this button when stair climber is stable on the stairs, the machine state will remain unchanged and the machine will switch to the downstairs mode directly.
Downstairs mode button indicator	1. When the stair climber is in a stable state on the stairs in the downstairs mode, the indicator light is always on in green; 2. When the downstairs mode is switched to flat ground mode and the rear support wheel mechanism is lowered, the indicator light is always on in red; 3. When the flat ground push mode is switched to the downstairs mode and the rear support wheel mechanism is lowered, the indicator light is always on in yellow.

4.2 Loading Cargo



Pull the Loading plate telescopic mechanism according to the width of the cargo.

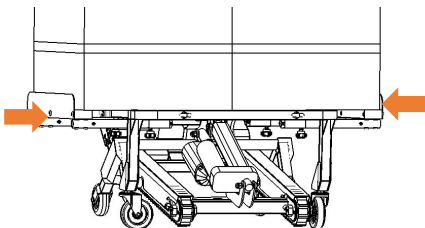
Note: If the equipment not equipped with loading plate retractable structure, skipped this operation step.



Place the goods on the loading plate, keep the goods on the loading plate stably without shaking and use the safety straps to fix the goods tightly.



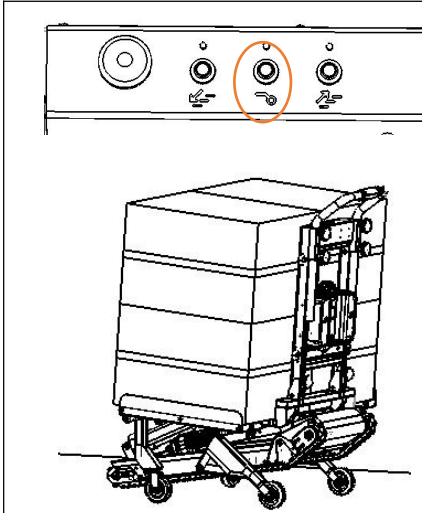
Warning: Both sides ends of the loading plate expansion mechanism should be adjusted symmetrically, so that the centre of gravity of the cargo is located in the centre of the carrier plate to avoid the risk of side-over caused by partial load.



Adjust the loading plate telescopic mechanism so that the top bezel is tight against the cargo.

Note: If the equipment is not equipped with a loading plate retractable structure, skipped this operation step.

4.3 Flat ground push mode



The stair climber is equipped with casters and universal wheels at the bottom of the Loading plate for flat ground delivery. By pressing the 'Support Wheel Mode' button on the operation panel, the stair climber is adjusted to the flat ground push position, and can be used by pushing the handrail. This is suitable for using it on flat ground.

4.4 Going upstairs



Warning: It is prohibited to stand underneath the machine and on both sides of the staircase steps during machine operation! To prevent the goods from toppling over and causing danger!



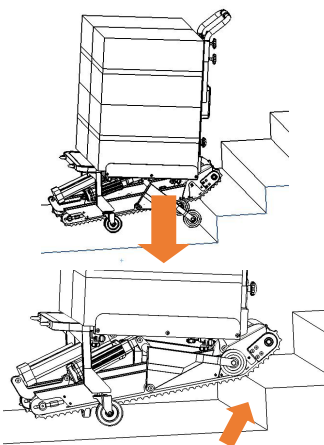
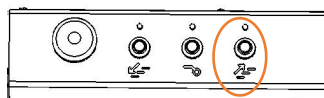
Warning: Under no circumstances should you pull out the battery while the machine is on the stairs! This is to prevent the machine from going out of control and falling sharply, which may cause dangers to people!



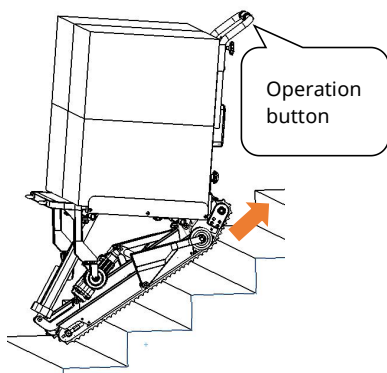
Caution: When the machine is going up the stairs, if there is an abnormality and it can not be operated, you can turn off the main battery switch (do not remove the battery) under the condition that no one is under the machine. The machine will slide down the stairs slowly step by step. Once it reaches the bottom of the stairs, you can unload the goods from the machine and the danger is eliminated.



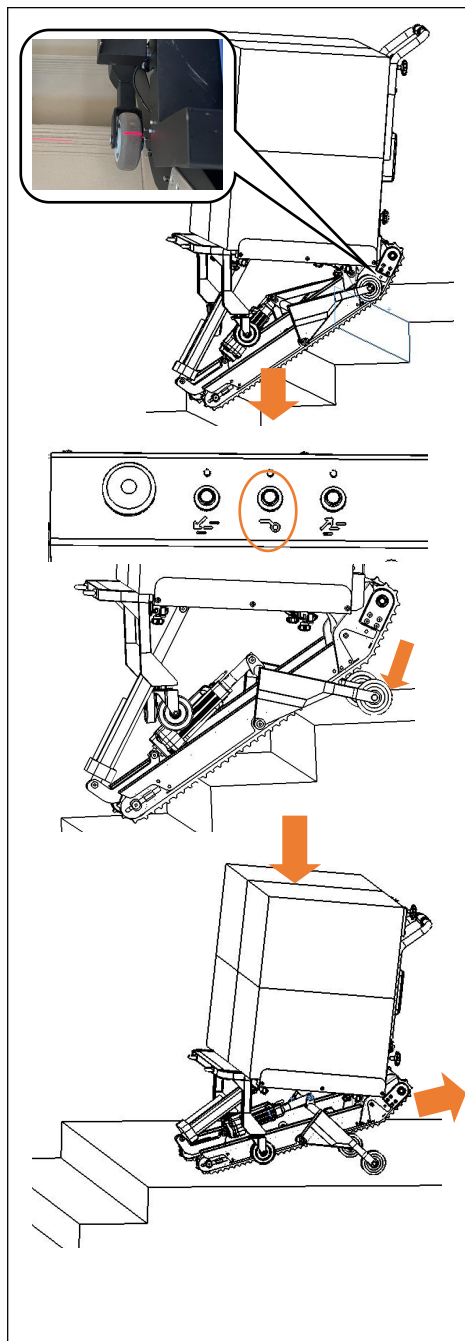
Note: If any abnormality is found during the operation of the machine, please contact the manufacturer or local dealer.



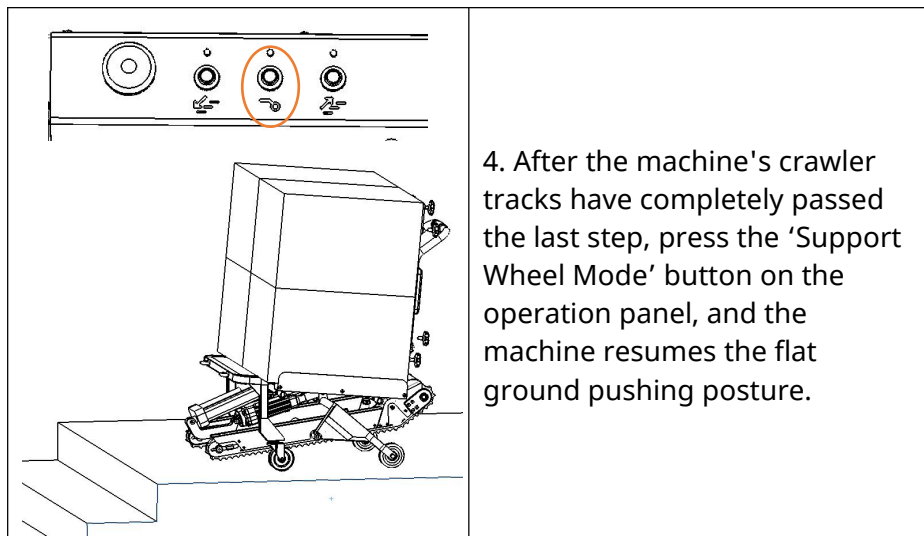
1. Push the stair climber to the bottom edge of the staircase so that the crawler tracks makes contact with the staircase steps, press the 'Upstairs Mode' button on the operation panel, the rear support wheel mechanism will fully retract and the crawler tracks will make contact with the staircase steps;



2. After the rear support wheel mechanism is completely retracted, press and hold the operating button, the crawler tracks start to run, the machine climbs up along the staircase steps, and the loading plate maintains a stable state during the process of going up the stairs; (When the machine is going up the stairs stably, it can be switched to downstairs mode by pressing the 'Downstairs Mode' button, and then the machine descends down the stairs stably by pressing and holding the Operating button.)



3. When the laser marking line passes through the last step of the staircase, press the 'Support Wheel Mode' button on the operation panel, so that the rear support wheel mechanism is lowered to the ground. At the same time, continue to press the operating button so that the machine climbs upwards, and the rear support wheel mechanism continues to be lowered to support until the crawler tracks pass through the last step completely;



4. After the machine's crawler tracks have completely passed the last step, press the 'Support Wheel Mode' button on the operation panel, and the machine resumes the flat ground pushing posture.

4.5 Going downstairs



Warning: It is prohibited to stand underneath the machine and on both sides of the staircase steps during machine operation! To prevent the goods from toppling over and causing danger!



Warning: Under no circumstances should you pull out the battery while the machine is on the stairs! This is to prevent the machine from going out of control and falling sharply, which may cause dangers to people!

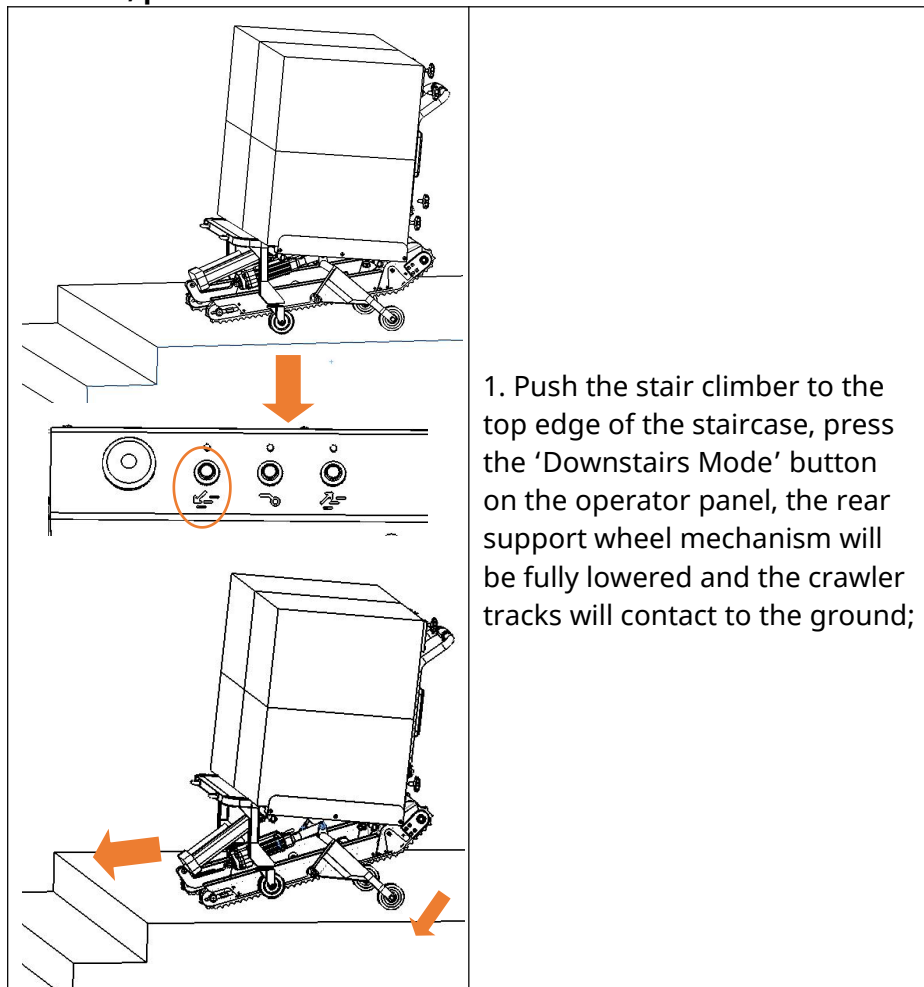


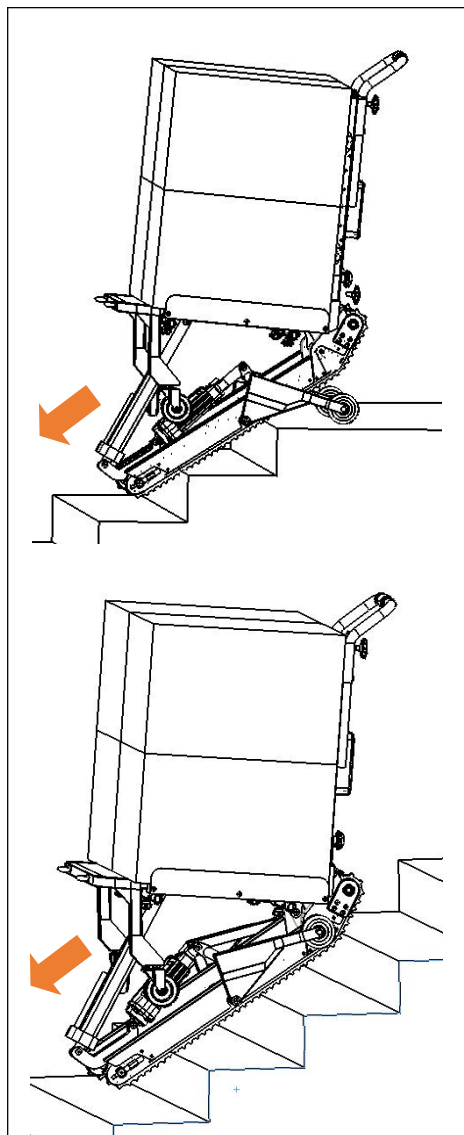
Caution: When the machine is going up the stairs, if there is an abnormality and it can not be operated, you can turn off the main battery switch (do not remove the battery) under the condition that no one is under the machine. The machine will slide down the stairs slowly step by step. Once it reaches the bottom of the stairs, you can unload the goods from the machine and the danger is eliminated.



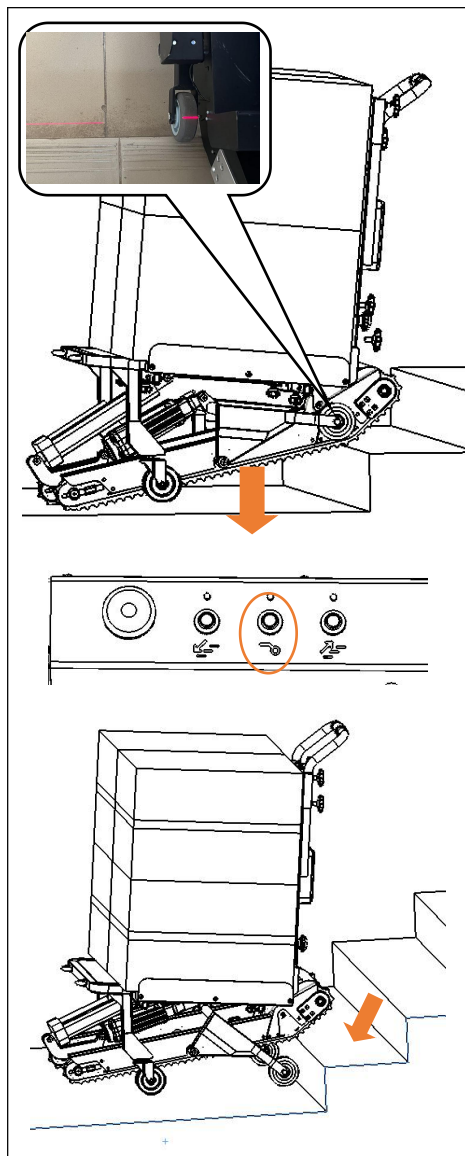
Note: If any abnormality is found during the operation of the

machine, please contact the manufacturer or local dealer.





2. After the rear support wheel mechanism is fully lowered, press and hold the operating button, the crawler tracks starts to run and the machine descends along the staircase steps, with the rear support wheel mechanism continuously on the ground. Until the crawler tracks passes the last step, the rear support wheel mechanism is completely retracted, then continue to press and hold the operating button, so that the machine continues to go down the stairs, in this process the loading plate maintains a stable posture; (When the machine is descending stably, press the "Upstairs" button can make it switch to the upstairs mode. At this point, press and hold operating button will make the machine ascend stably.)

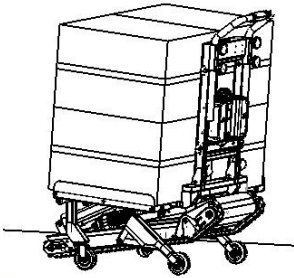


3. When the laser marking line passes through the first step of the staircase, press the 'Support Wheel Mode' button on the operation panel, so that the rear support wheel mechanism down to the ground, and then continue to hold the operating switch, so that the machine continues to move forward. When the crawler off the steps and the machine automatically restores the posture of the flat ground mode, the action of descending the stairs is completed.

4.6 Parking



Note: Always turn off the power after each use!



When parked, ensure that the stair climber is in flat ground push mode and placed on a flat surface, stable and without wobbles.

4.7 Transporting



Warning: Please note the weight specifications!



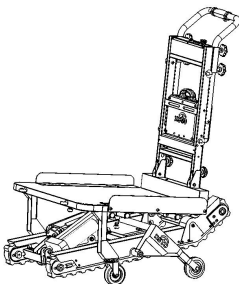
Warning: When you use a vehicle to transport the stair climber, please abide by relevant laws and regulations to ensure transportation safety!



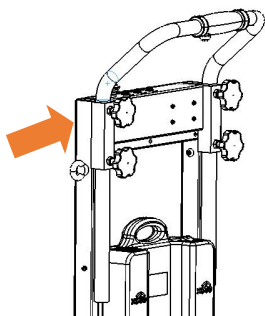
Warning: Do not lift the device by grasping the battery holder or the housing!



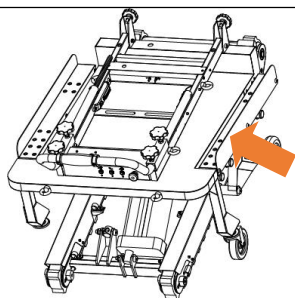
Caution: Turn off the device when transporting!



1. Stair climber is in flat ground push mode;

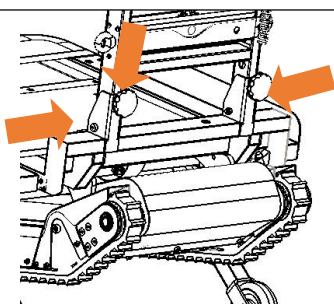


2. Adjust the height of the handrail to the lowest level and then screw the plum screws;

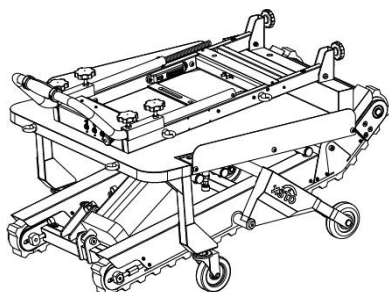


3. Hold the rotating plunger and pull it down, tighten the loading plate telescopic mechanism to its minimum state ;

Note: If the equipment is not equipped with a loading plate retractable structure, skipped this operation step.



4. Remove the plum screws at the bottom of the back plate and fold the back plate.

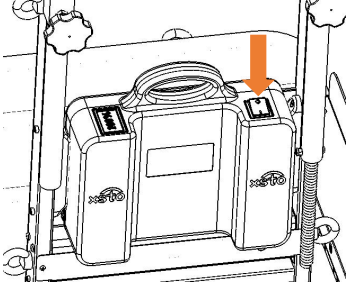
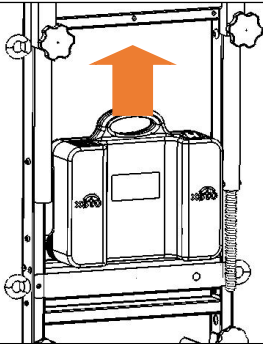


5 Maintenance

5.1 Battery pack

 **Note:** Please keep the stair climber away from the wet environment. After each use, please remember and follow the operating instructions to charge! Please keep the socket dry!

 **Note:** Please protect the charger and the charging cables away from oil, grease, detergent, thinner or any potentially damaging items!

	1. Turn off the battery;
	2. Pull out the battery pack with an upward force;

	3. Connect to the charger;
	4. Refer to the charger manual for charger usage.



Battery instructions and precautions

(1) Storage

- ✧ When the battery pack needs to be long-term stored, please charge the battery pack to approximately 50% of its capacity, store in the dry and ventilated place and charge for every 3 months.
- ✧ The battery pack and charger should be stored in the clean, dry and ventilated place, avoid contacting with corrosive materials and be away from fire and heat.
- ✧ The recommended charging temperature range is 0-40℃. If the heat exceeds this range, the battery's performance will degrade and its service life will be shorten.

(2) Transportation

The battery pack and charger should be packaged for transport. Prevent excessive vibration, shock or extrusion and the sun and rain in the transport process.

(3) Maintenance

- a) The battery pack should be stored in a state of charge between 40% and 60%.
- b) If the battery pack is not used for a long period, it should be

charging completely and discharging completely one time for every three months, then charge the battery pack to about 50% of its capacity by the specific charger.

- c) In the maintenance process, please do not disassemble and assemble the battery pack, otherwise the battery performance will decline.
- d) Forbid to remove any cell in the battery pack. Unauthorized dissembling of batteries is prohibited, otherwise this may invalidate your warranty.
- e) Problem handling

Malfunction	Trouble Reason	Troubleshooting
Battery pack with no-output.	Battery output cable is not connected; Battery pack is out of power.	Connect the output wire properly in accordance with the specifications; Charge the battery pack.
Charger power light is off.	Input charger plug is not properly inserted.	Insert the charger's input plug into the charging socket according to the operation manual.
Battery pack cannot be charged.	Charger output plug is loose; Battery pack is fully charged.	Check whether the charger's output plug is securely connected to the battery pack; Battery pack can be used normally.

- f) Warranty period of battery

Warranty period of this product is 12 months from delivery date.

Cycles:500 times, capacity≥80%.

(4) Battery handling precautions

- ✧ Forbid to immerse battery in water, juice or other liquids, and do not get it wet!

- ✧ Don't charge, use or store battery near a heat source such as fire and heater! Stay away from flammable and explosive materials. If the battery leaks or releases strange odor, please remove it from near fire place immediately. Fully charge the battery before its first-time using.
- ✧ Forbid to reverse the positive and negative pole!
- ✧ Forbid to throw the battery pack into fire or heat it!
- ✧ Forbid to short-circuit battery with wire or other metal objects!
- ✧ Forbid to nail, knock or trample battery!
- ✧ Forbid to disassemble the battery and battery pack in any way!
- ✧ Forbid to put the battery pack into microwave oven or pressure vessel!
- ✧ Forbid to use the battery on other devices!
- ✧ Forbid to use the batteries in series or parallel connection!
- ✧ Forbid charging in outdoor exposure to high temperature, rainy days or humid conditions!
- ✧ Forbid to charge in corridors, evacuation routes, safe entrances and exits, and indoor houses!
- ✧ The battery should be charged, used and stored in a place away from static electricity.
- ✧ The battery should be charged during the day, under supervision. Take care to unplug charging when personnel leave. Overnight charging is prohibited.
- ✧ Stop charging if it is not fully charged for too long.
- ✧ Forbid charging in outdoor or rainy environment!
- ✧ Prohibit the use of series and parallel battery!
- ✧ If the battery pack gives off odor, gets heat, deformation, discoloration or appears any abnormal phenomenon, stop using it; please remove the battery from electrical appliances and stop using it, when the battery is being used or charged!
- ✧ Forbid to use battery pack in a high temperature environment, such as under direct sunlight or in car on hot day. Otherwise, the battery pack will overheat, which will affect battery performance and shorten battery life!
- ✧ When charging the charger, connect the DC output end of the charger to the battery, and then connect the AC power plug of the

charger.

- ✧ Do not over charged. Unplug the charger as soon as possible after the charger indicates full charge.
- ✧ If the battery teaks and electrolyte leakage enter into the eyes, do not rub, rinse with water immediately and seek immediate medical assistance. If not in time, the eyes will be damaged!
- ✧ Forbid to disassemble by yourself.

5.2 Replace of the fuse



Caution: Before exchanging the fuses, disconnect the charger /charging cable for the car!



Note: Never mend or bridge defect fuses!



Note: Replace them with fuses of the same amperage!



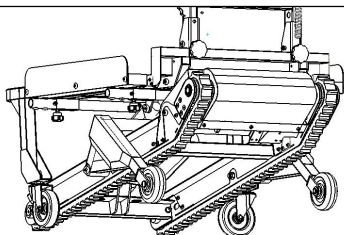
Fuse position

Remove the fuse cap and the old fuse, Insert the new fuse and put on the cap.
Fuse specifications:
 $\varnothing 6 * 30\text{mm}$, 40A.

5.3 Checking the crawler tracks



Note: Regularly check the wear of the crawler tracks and contact an authorized professional or the manufacturer if you find the crawler tracks damaged or badly worn!



Regularly check the crawler tracks and note the wear limited.

5.4 Recycling

The powered stair climber is product of long durability. However, if your machine is old and has reached the end of its lifespan you may return its components to XSTO for recycling.



5.5 Precautions for care and use

- (1) Place the stair climber in an environment above 0°C at least one hour before initial operation;
- (2) Read the technical data carefully. Do not exceed the rated weight;
- (3) Only trained personnel should operate the stair climber. those who should be physically and mentally fit;
- (4) Use only for the transport of goods, not for the transport of persons. The load must be secured with safety belt;
- (5) Do not touch the underside of the Carrier plate or rotating parts;
- (6) Do not use the stair climber in rainy, wet, snowy or icy conditions to avoid side slips and other potential hazards due to skidding.

Motor operation and rest work schedule:



Note: Motor of crawler track, 50% working time [Continuous operating hours/(Continuous operating hours + continuous rest hours)≤50%], rated load of 70% or above,the maximum continuous running time is less than 60 minutes. Rated load of less then 70%, the maximum continuous running time is less than 90 minutes.



Note: Electric actuator, 20% working time [Continuous operating hours/(Continuous operating hours + continuous rest hours) $\leq 20\%$], rated load of 70% or above, the maximum continuous running time is less than 2 minutes. Rated load of less than 70%, the maximum continuous running time is less than 4 minutes.

6 Malfunction and troubleshooting

Problem	Check and potential solution
The stair climber not start or not go up or down stairs.	1. Check if the battery power display is normal, if it shows low power, please charge it. 2. If the battery is charged and still does not start, please contact with the supplier.
The battery will not charge.	Try a different charger, or contact with the supplier.
The operating panel buttons are out of order.	Try replacing the button accessory, or contact with the supplier.

7 Warranty and responsibility

7.1 Warranty

The warranty terms of the motor, decelerator, lithium battery and motor controller as well as main climber structure is 12 months under normal usage.

Damage caused by the following reasons is not covered by the warranty:

- Damage caused by overload work;
- Damage caused by incorrect operation;
- Damage caused by violence;
- Natural wear of casters, crawler tracks, safety strap, etc. ;
- Inappropriate or inadequate maintenance;
- Unauthorized structural changes and improper use of equipment and accessories;
- Damage caused by overweight;
- Battery is not charged appropriately.

Any of the following situations is identified during the warranty period, the cost of materials and service fees will be charged accordingly:

- Damage caused by the consumers' improper use and maintenance or poor storage;
- Dismantling damage caused by a third- party;
- Damage caused by dismantling by others(except the warranty party) .
- The following parts are not covered by the warranty:

Name	Figure	Code
Mode button		B801000117
Operating button		B801000014

Name	Figure	Code
Emergency stop button		B801000118
Screw universal wheel		D604000226
Orientated single wheel		D604000228
Crawler track		D502000042

For products that are not covered by the warranty, we still serve you enthusiastically, and only charge the cost of the parts.

7.2 Responsibility

The manufacturer is not responsible for any damage caused to the stair climber in the following cases.

- Inappropriate equipment operation;
- Repair, dismantling or other operations of the equipment without authorization;
- Operation manual is not followed;
- For the installation of special accessories for stair climber;
- Deliberately dismantle the configuration of stair climber;
- Operation under overload conditions;
- Operation under low battery capacity.

*** If the contents of this specification are changed because improving product quality or upgrading technical parameters, we will not give notice. For the latest product information, please contact the supplier.**



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