

VOLTSTAIR

POWERED HAND TRUCK

USER MANUAL





UNIT DIAGRAM



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2 Control Panel

3 Handlebar Lock

4 Ratchet Strap

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12 Back Handles



COMPONENTS: A CLOSER LOOK



Control Panel

The control panel is located at the top of the main handlebar. It is used to power the Voltstair on, turn on the Voltstair's lights. The up and down buttons rotate the powered tracks to ascend or descend stairs. There is also a digital battery power monitor on the side of the control panel.



Track Release

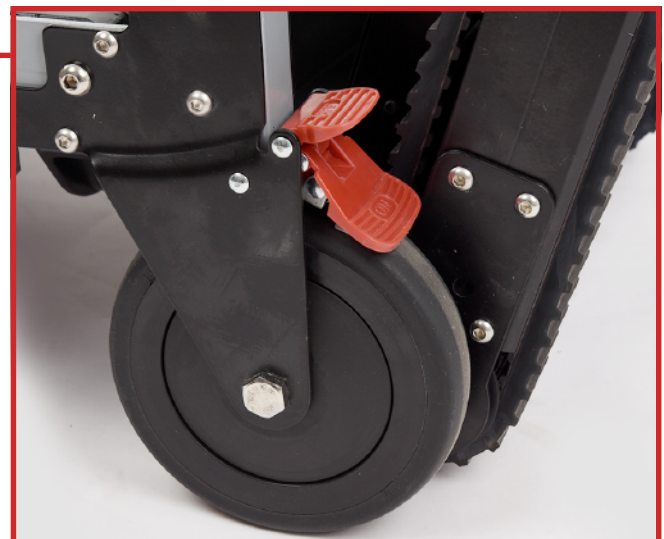


The Voltstair's tracks must be extended in preparation for an ascent or descent. The track release is located on the right side of the track housing when standing behind the unit. Simply step down on the flat part of the track release, or press down on it with your hand, and the compressed air pistons will automatically extend the tracks.



Wheel Brakes

The wheel brakes should be engaged when preparing to ascend or descend a staircase with a load in the Voltstair. Step down or use your hand to press on the lower red tab labeled "On" to engage the brakes. Step down or use your hand to press the top "Off" tab to disengage the brakes.vO



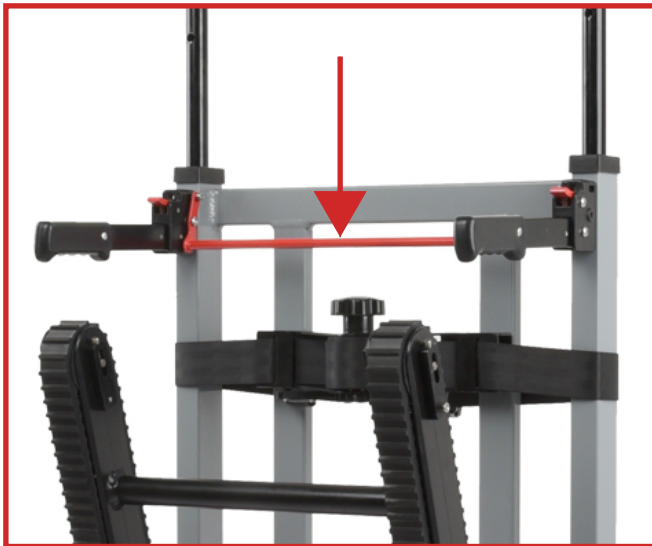
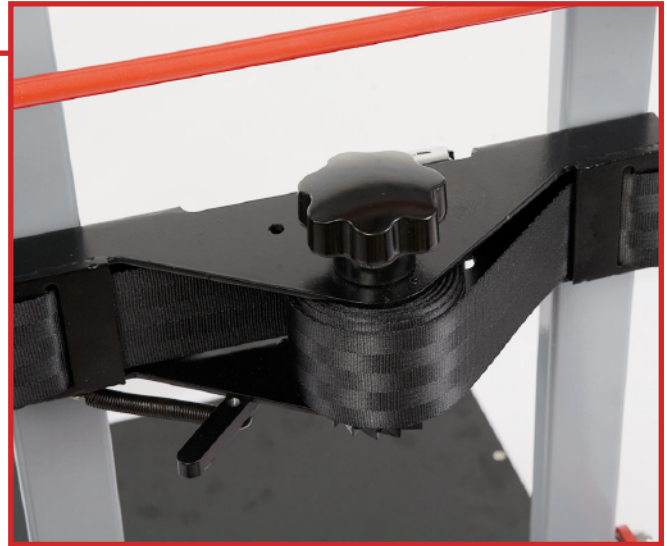


COMPONENTS: A CLOSER LOOK



Ratchet Strap

The ratchet strap consists of a rotating ratchet attached to two straps, and male and female seatbelt components. It should always be used to secure loads placed on the Voltstair. Loosen the ratchet until the belts can be joined around the load, and then buckle the fastener and tighten the ratchet by rotating it clockwise until the load is secure.



Handlebar Lock

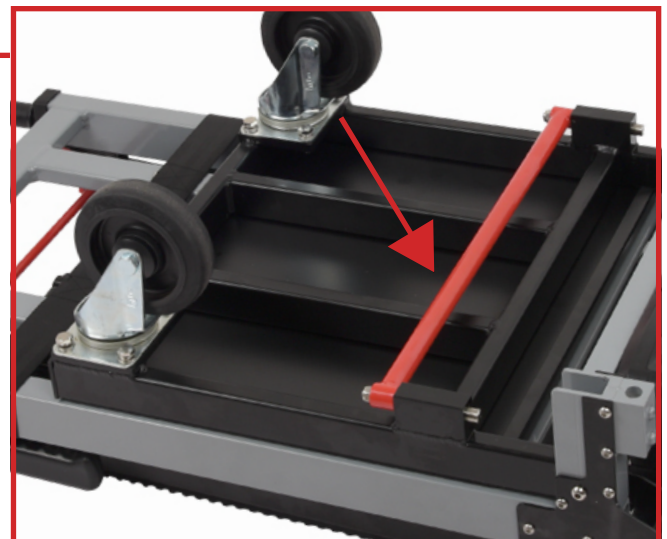


The Voltstair's main handlebar must be extended in preparation for an ascent or descent. The handlebar lock is a long red bar located in between the back handles. To extend the main handlebar, press the red bar towards the front of the unit, and pull up on the handlebar until it locks into place. The handlebar should be raised as high as possible for leverage.



Platform Lock

The Voltstair's load platform can be folded for storage or transportation. The platform lock is the red bar on the underside of the black platform, and must be pulled simultaneously on both sides towards the front of the unit to either release the platform or to lock it into place. Always ensure the platform is locked when moving cargo.



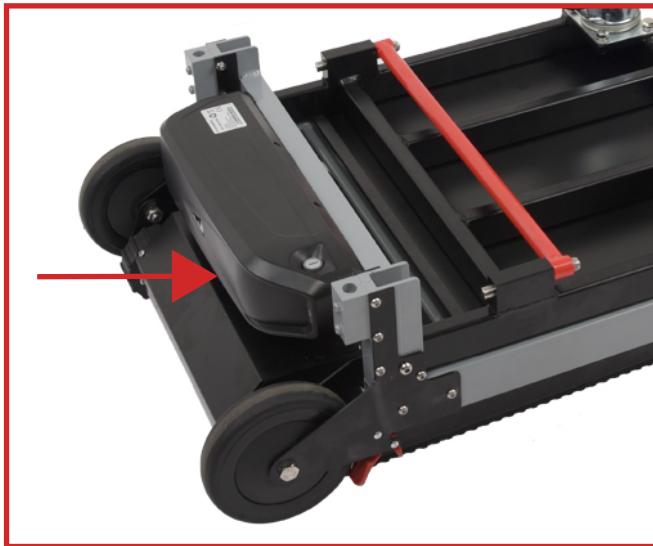
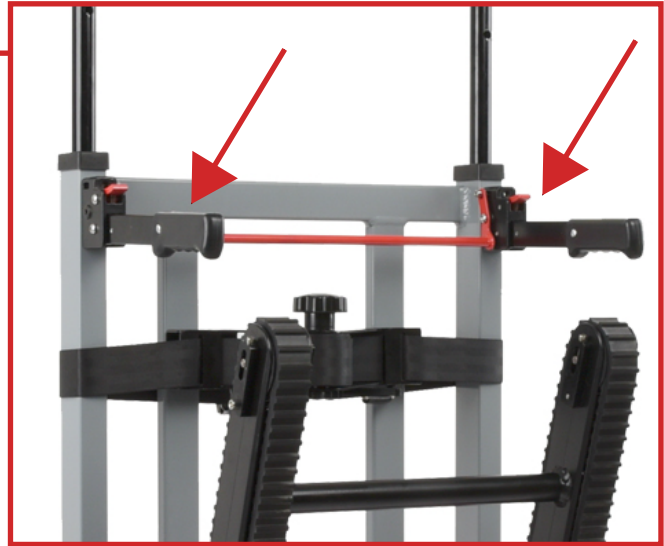


COMPONENTS: A CLOSER LOOK



Back Handles

The back handles are located just below the main handlebar housing. They can be extended and locked into place when transporting loads on flat ground for extended periods. To fold the handles back up, simply press the red tabs on the top of the handles, and press down until they are parallel with the main frame of the Voltstair.



Battery Housing

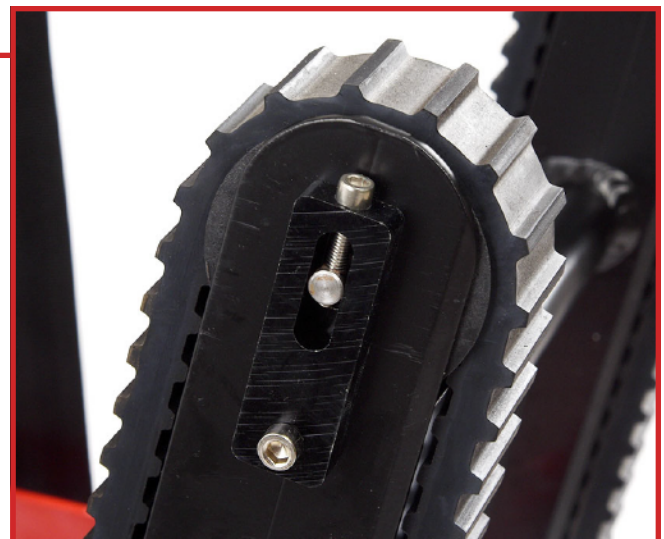


The Voltstair's battery is located beneath the platform, in front of the back wheels. The battery can be removed from its housing for charging or replacement. Simply use the key to unlock the battery, and slide it out sideways. Operators should always make sure the battery is locked and secure before ascending or descending a staircase.



Bearing Bolts

The Voltstairs tracks should be checked periodically for tightness. If the tracks have too much slack, they should be tightened with the bearing bolts before moving cargo. The bolts are on both sides of each track tip. Rotate the top bolt counterclockwise to tighten the track until it cannot be easily pulled away from the housing.





SAFETY PRECAUTIONS



Read this manual in its entirety before using the Voltstair, and maintain and operate it only as described herein.



After thoroughly studying the operating instructions, practice ascending and descending stairs without a load in the Voltstair.



DO NOT OPEN MOTOR. Contact Voltstair for service.



Avoid getting dirt inside the tracks. The Voltstair should be regularly maintained and inspected for dirt and grime.



Never lubricate the rubber tracks. The bearings must be lubricated regularly, but any lubricant that is left directly on the rubber tracks can result in injury.



To clean the Voltstair, wipe with a towel and clean water, or non-corrosive cleaning compounds. Dry after cleaning.



Do not attach any additional items to the Voltstair.



Always make sure the extendable handlebar is locked into place before ascending or descending stairs.



Do not use 3rd party replacement parts. If replacement parts are needed, please contact Voltstair.

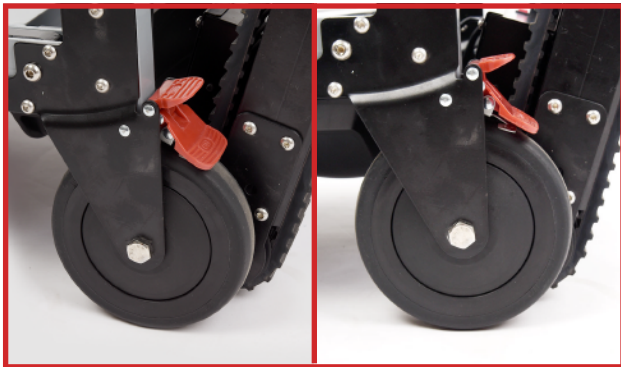


Voltstair can be reached at (212)366-5483 or info@voltstair.com for all questions regarding service, maintenance, and operation.



SAFETY PRECAUTIONS

Pre-Operation Checklist



Brake Check

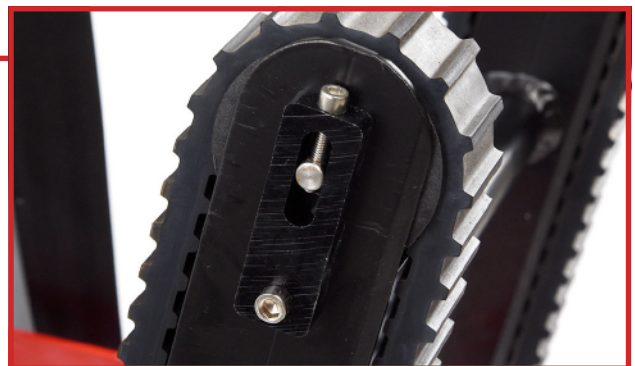


Check the tightness of the track by pulling in the middle of the track to ensure that it is not loose. If the track is able to be pulled more than an inch from where it begins, use a hex screwdriver to tighten the screw at the top of the track housing, which will pull the track bearing up.



Track Tension

The back brakes should be periodically checked. Engage each brake by pressing down on the "ON" tab, and trying to move the voltstair. Please note, that without a load, the wheel may slide on a smooth surface, but as long as the wheels do not turn, the brakes are functioning properly.



Clean Unit



The motor surface and rubber tracks should be checked for dirt, grime, and lubricant. To clean these components, wipe with a semi-damp cloth, and thoroughly dry before use. Any corrosive cleaning agents should not be used, as they could damage the Voltstair and lead to injury.



Load Balance

When transporting an item with a skewed center of balance, or multiple items at once, make sure that the heaviest part of the load is closest to the upright component of the Voltstair. Additionally, always make sure that the ratchet is secure before attempting to move cargo.





ASCENDING A STAIRCASE

STEP 1



Move the load onto the voltstair, and push it back until it is sitting against the upright component of the unit.

STEP 2

Secure the load with the straps and buckle, and tighten the straps by rotating the ratchet.

STEP 3



Back the Voltstair up to the bottom stair, and stop when the tracks are approximately 10" from the bottom stair, and lock the rear wheels by stepping on the red "on" lever.

STEP 4

Push the red track handle in the direction indicated by the arrow, and pull the tracks away from the Voltstair until they lock into place.

STEP 5

Press the red handlebar lever forward, while pulling up on the extendable top handlebar to extend it and lock it into place.

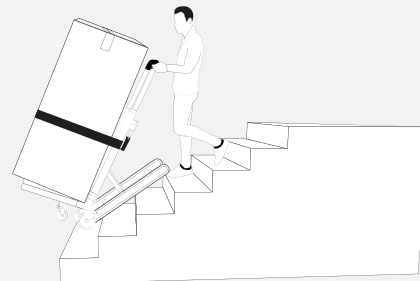
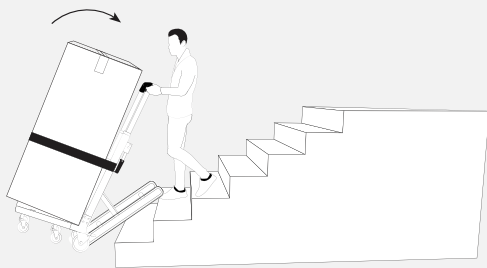
STEP 6



Lean the handlebar backward until the tracks are resting on the staircase.

STEP 7

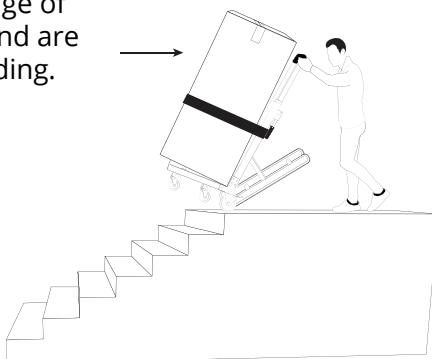
When you are ready to begin your ascent, press the up button, and pull the handlebar towards the stairs and begin to walk backwards..



STEP 8

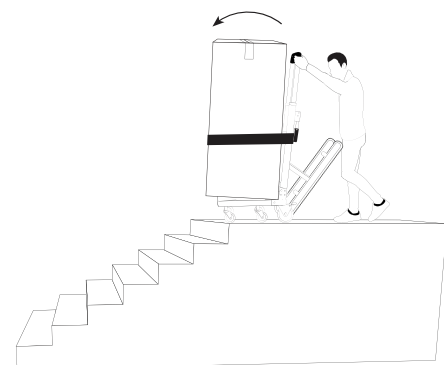


When you reach the top landing of the stairs, continue moving the voltstair well onto the platform while balancing the unit in a tilted position, until the front wheels have completely cleared the edge of the top step and are above the landing.



STEP 9

When the front wheels have cleared the edge of the landing, tilt the Voltstair into the upright position and roll the Voltstair to the desired location.





DESCENDING A STAIRCASE

STEP 1



Move the load onto the voltstair, and push it back until it is sitting against the upright component of the unit.

STEP 2

Secure the load with the straps and buckle, and tighten the straps by rotating the ratchet.

STEP 3



Roll the Voltstair towards the stairs with the load facing the stairs, stopping when the front wheels are at least 5" from the edge of the top step.

STEP 4

Push the red track handle in the direction indicated by the arrow, and pull the tracks away from the Voltstair until they lock into place.

STEP 5

Press the red handlebar lever forward, while pulling up on the extendable top handlebar to extend it and lock it into place.

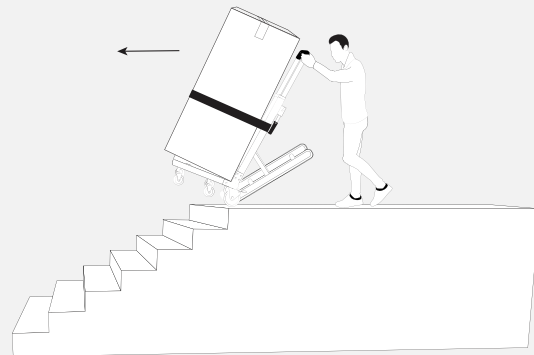
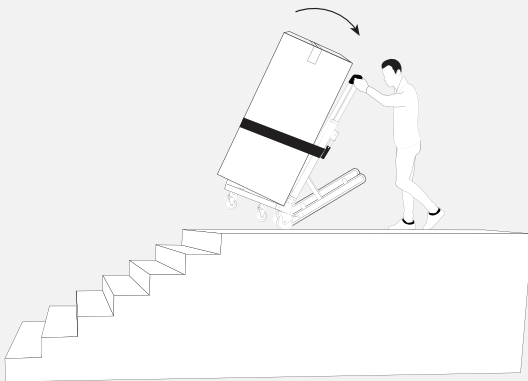
STEP 6



Tilt the Voltstair back to rest on the bottoms of the tracks. Lean the Voltstair back until the tracks are at the approximate angle of the

STEP 7

When you are ready to begin your descent, press the down button, and begin to walk the tilted Voltstair down



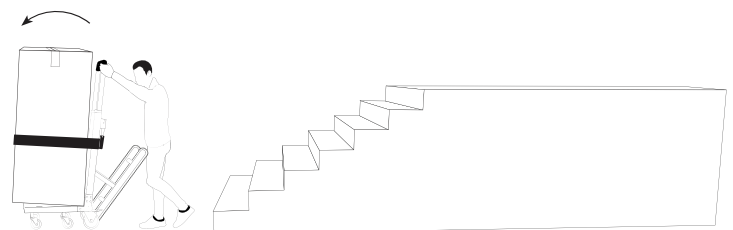
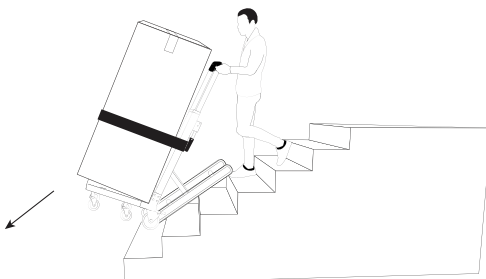
STEP 8



Continue pressing the down button as you walk behind the Voltstair and press the handlebar towards the stairs.

STEP 9

When you reach the bottom of the stairs, tilt the Voltstair forward onto its bottom flatground wheels, and roll it to the desired destination.





VOLTSTAIR SERVICE

Included with Warranty and Beyond

In order to maximize the Voltstair's service life, and to prevent operator injury, it is important to make sure that it is regularly inspected, maintained and cleaned.

In general, keep the unit as clean as possible by wiping as needed with a damp towel. Avoid excessive amounts of water when cleaning, and make sure to thoroughly dry before use.

When the unit is stored, it should be in a dry place, and ideally under a dust cover to prevent dirt and grime from entering the its inner workings. Do not store the Voltstair outdoors.

We offer professional service both under the 6 month warranty, and once the warranty expires for a fee. For service requests, please call (212)366-5483 or email info@voltstair.com

Thank you for purchasing the Voltstair! We hope that our product helps you succeed in your industry.

- The Voltstair Team





Battery Operated

The Voltstair can climb 100+ flights on a single charge.



Portable

Foldable so that you can easily bring it when you need it, and store it when you don't.



Durable Tracks

The specialized rubber tracks function on almost all staircase materials.



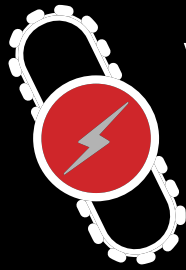
Increased Efficiency

Don't waste a whole team on a job that can be done with one member

Questions?

Call (212) 366-5483 or email us at info@voltstair.com

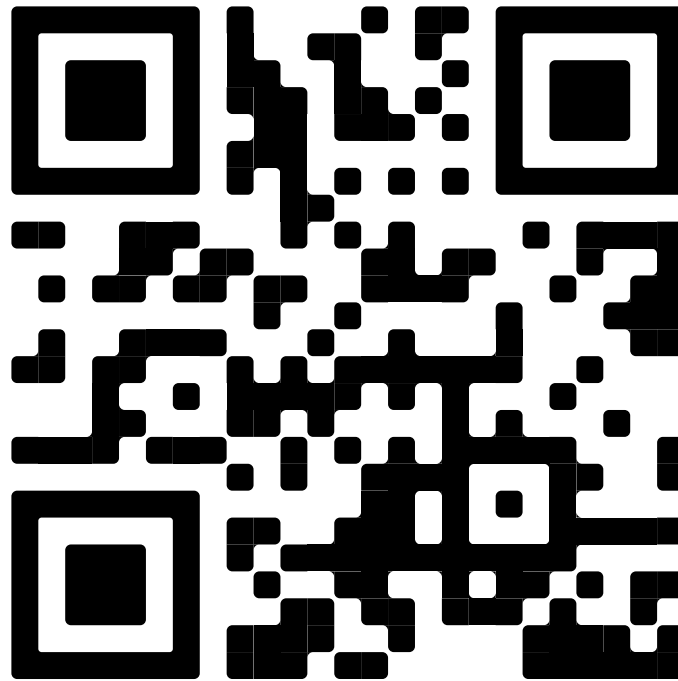
www.voltstair.com



VOLTSTAIR

POWERED HAND TRUCK

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