

GETTING TO KNOW YOUR QUANTUM®

The Little Giant Quantum is a Multi-Use ladder system made up of three major components: one inner ladder assembly and two outer ladder assemblies that telescope over the inner section. The inner and outer assemblies work together with the Hinge Locks and Rapid Locks to adjust the ladder into different lengths and positions, including:

1. Extension
2. A-Frame stepladder
3. Trestle-and-plank scaffolding system (sold separately)
4. 90-degree (only used against a secure wall)
5. Staircase

SCAN THE CODE TO VIEW
INSTRUCTION & SAFETY VIDEO



FREE QR READER DOWNLOAD
AT YOUR APP STORE

**Little
Giant**
Ladder Systems

CLIMB ON!

QUANTUM®



© 2016 Little Giant Ladder Systems 81299 v2.7.16

USER INSTRUCTIONS

Type IA 300 lbs Extra Heavy Duty Rated

Congratulations on your purchase of the Little Giant® Quantum® ladder system. These instructions will help you make the most of your Little Giant Quantum by learning how to use it safely. **Please do not ignore** the instructions, **study them!** If you have questions about how to operate your ladder system, please search our safety resources at www.LittleGiantLadders.com/Safetytoolbox, or call us before using your ladder system. Your safety and satisfaction is most important to us.

These instructions will show you how to use the Quantum as a multiple-height extension ladder, stepladder, staircase ladder, 90-degree ladder, and as a trestle-and-plank scaffolding system. To learn more about accessories and plank options, please visit our website or call our customer experience team.

Welcome to the Little Giant family!



Customer Care: 800-453-1192 or 801-489-3684 • Monday - Friday, 7am - 5pm MST
Little Giant Ladder Systems • 1198 North Spring Creek Place • Springville, UT 84663 • USA
www.LittleGiantLadders.com

GENERAL OPERATION SAFETY TIPS

Danger: Ladders and heights are inherently dangerous, heed the following safety Precautions:

1. Do not force the hinges in or out using any tools. You may cause permanent damage to the hinge mechanism.
2. If there is pressure on the Hinge Lock pins, they may not open properly. Relieve the pressure by moving one half of the ladder back and forth until the Hinge Locks move with minimal force.
3. Make sure all four Rapid Locks and both Hinge Locks are fully engaged before climbing on the ladder. Failure to do so may result in serious injury or death.
4. For your safety, set up your ladder so the rungs are always level from front to back and from side to side.
5. Keep clothing and body parts out of all moving mechanisms, including the Hinge Locks and Rapid Locks to avoid possible pinching.
6. Keep clothing and body parts away from rungs when telescoping the outer ladder over the inner ladder.
7. Use caution when using the Quantum® around electricity, it is conductive. Ensure that the ladder does not come in contact with electrical circuits or currents.
8. The Quantum has an OSHA and ANSI Type IA duty rating of 300 pounds (136 kg). Do not exceed the weight limit.
9. Little Giant Ladder Systems assumes no liability for damage or injury that may result from failing to follow all instructions correctly.
10. Keep all ladder rungs, ladder feet, work platforms, and other standing and gripping surfaces clean and free from foreign materials.
11. Do not lean over the side of the ladder and keep both feet on the rungs at all times; as a rule of thumb, keep your navel between the rails.
12. Inspect feet for wear; replace them when necessary.
13. Read and reread all labels on the ladder before each use.

A-Frame and Staircase Ladder Safety Tips

1. Ensure that all the Hinge Locks and all Rapid Locks are securely engaged before climbing your ladder.
2. Make each of your ladder's four feet are solidly planted before climbing.
3. When using your ladder on a staircase, ensure that the rungs are level and that each foot is on a solid, secure surface.

Extension Ladder Safety Tips

1. Do not allow the full weight of the ladder to fall on the hinges as the ladder folds from the extension to the A-frame position.
2. When releasing the Rapid Locks, make sure you support the inner ladder assembly with one hand to prevent it from sliding down rapidly. Failure to do so may result in injury.
3. Use the proper angle for the extension ladder position. The distance from the base of the ladder to the bottom of the support wall should be one-fourth the working height of the extension ladder (minimum distance between ladder and support wall must be 3 feet [0.91 m]).
4. Fully engage all Hinge Locks and all Rapid Locks before use, failure to do so may result in serious injury or death.
5. When using your Quantum as a tall extension ladder, stake the feet to the ground and tie down the top for extra security. Extend the ladder at least 3 feet [0.91 m] above a supporting roof or eave.

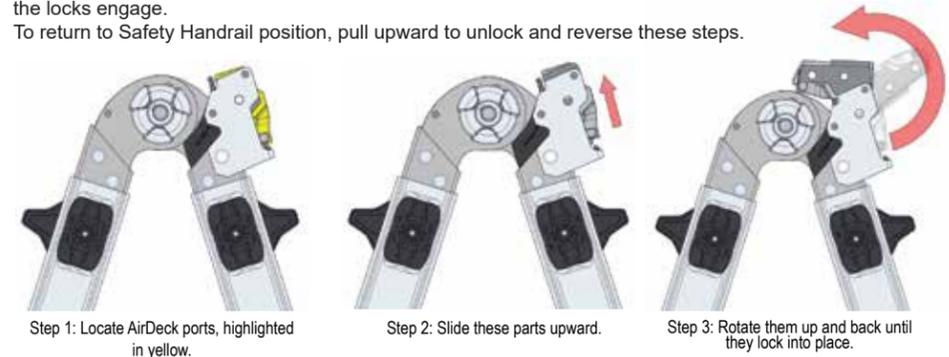
Using the AirDeck® in the Safety Handrail Position

1. With the bottom side of the tray facing you, insert the two posts into the AirDeck portals until the locks engage.
2. Use the Safety Handrail to help keep your balance.
3. Raise the lower portion of the tool tray to the open position until both arms are locked.
4. The AirDeck is intended to be a safety handle and a shelf. Do not lean against handle or stand on the AirDeck.



Using the AirDeck® in the Horizontal Position

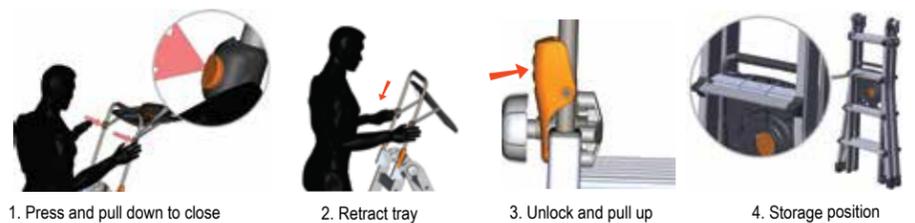
1. Locate the plastic insert of the AirDeck ports, highlighted in yellow.
 2. Slide these parts upward. This will unlock the AirDeck ports and allow them to be repositioned.
 3. Rotate them up and back as shown below until they lock into place.
 4. With the top of the AirDeck facing upward, insert the two posts into the AirDeck portals until the locks engage.
- To return to Safety Handrail position, pull upward to unlock and reverse these steps.



WARNING: Be sure that the AirDeck is fully locked into the ports before using. AirDeck ports must be set in their desired positions before inserting the AirDeck. Do not adjust the AirDeck ports while the AirDeck is in use.

Storing the AirDeck Safety Handrail

1. If in the Safety Handrail position, push inward on the buttons on both sides of the support arms to release the locks.
2. Allow the tray to rotate down into the closed position.
3. Release the orange handrail locks and pull the rail posts out of the AirDeck portals.
4. Store by hanging the AirDeck on an inner rung, then close ladder into storage position.



For additional safety training visit www.laddersafety.org

Warranty

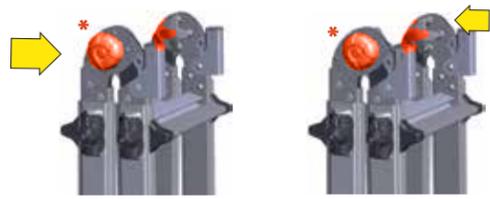
The Quantum is offered with a limited lifetime warranty against manufacturer defects. Register your warranty within 30 days after receipt of the product. You may register your product by going online to www.LittleGiantLadders.com/registration or by completely filling out the warranty card and mailing it in.

QUANTUM

LADDER OPERATION

Palm Button (Hinge Locks)

Change your ladder's shape.



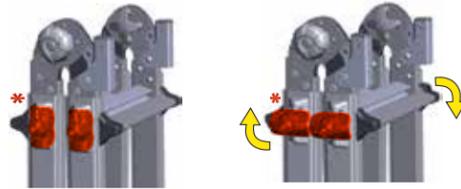
Push the Palm Buttons in to release the Hinge Locks.
* Palm buttons are highlighted



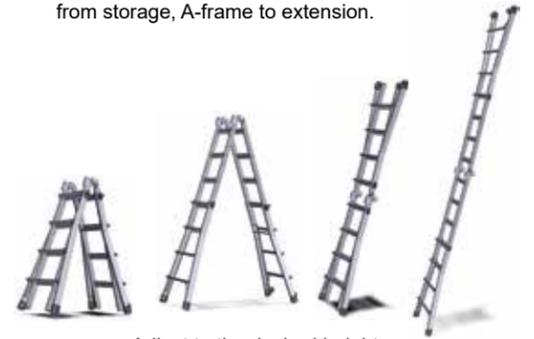
The Palm Buttons allow the ladder to change from storage, A-frame to extension.

Rapid Locks

Change your ladder's height.

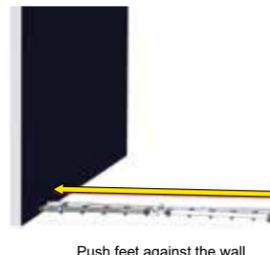
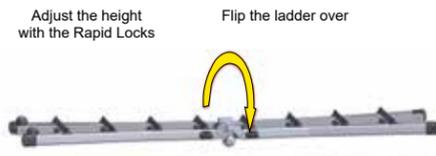
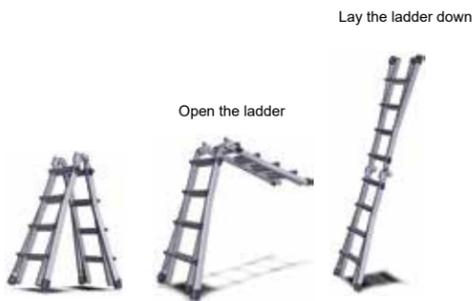


The Rapid Locks adjust the height of ladder. Twist on the Rapid Locks to open, twist the Rapid Locks to close. Unlock only one Rapid Lock at a time while supporting the inner ladder assembly with one hand. Do not unlock the Rapid Locks if anyone is on the ladder.
* Rapid Locks are highlighted



Adjust to the desired height.

Extension Ladder



Open and lock your ladder into the extension position, and lay it face up on the ground with the feet near the wall. If your ladder has wheels, they should be on the end farthest from the wall. Unlock the Rapid Locks on the top outer section and extend it to the desired height, locking both Rapid Locks when finished. If you need more height, repeat this for the bottom section as well.

Next, flip the ladder over to a face-down position, and place its feet against a solid wall. Lift the other end and walk it hand-over-hand, one rung at a time, until you can lean the ladder against the wall. Then, lift the base of the ladder and carefully move it out from the wall until the ladder leans at a 75.5 degree angle, where the distance from the wall to the ladder's base is 1/4 of the working length of the ladder.

To bring the ladder down, lift the base and carefully move it against the wall to brace the feet. Carefully walk the ladder down hand-over-hand, one rung at a time, until you can lay the ladder flat on the ground. Flip the ladder face up, unlock the Rapid Locks, and retract both outer sections completely. Lock all four Rapid Locks, then push in the Palm Buttons and return the ladder to the small A-frame position.

Warning: If you'll be climbing up onto a roof or elevated platform, for your safety, the ladder must extend 3 rungs above the height of the roof line or working surface.

Warning: Never unlock both Rapid Locks on an outer section at the same time without supporting the inner section. The ladder can retract quickly and may cause injury.

A-Frame Ladder



Begin from the small A-frame position. Stand to one side of the ladder; unlock both Rapid Locks on one outer section. When extending the ladder, your hands must always be on the outside of the outer section. Place one hand on the Palm Button and push the inner section away from you to extend the height. Once you have reached the desired height, line up the inner and the outer rungs, place your hand under the rungs, then lock both Rapid Locks.

Next, unlock the Rapid Locks on the opposite section. Place one hand on the Palm Button and push up on the inner section to extend the height. Once you have reached the desired height, line up the inner ladder and the outer ladder rungs, then lock both Rapid Locks.



To bring the ladder down from the A-frame position, place one hand under the inner and outer rungs to secure the ladder from moving. With your other hand, unlock one Rapid Lock, then switch hands and unlock the other one. Next, place your hand on the Palm Button to hold the inner section in place before you remove your hand from keeping the inner and outer section secure.

Once your hand is out of the way of the inner and outer sections, slowly bring the inner section down by holding on to the Palm Button. Keep your hand on the outside of the outer section while adjusting the ladder.

Staircase



Start from the small A-frame position, lengthen the down side of the ladder to the desired height. Ensure the ladder rungs are level before using.

90°



From the tall A-frame position, reduce the height on one side of the ladder by one rung. Make sure the ladder is on a flat level surface and the short side is against a secure wall.

Ratchet Leveler™ (optional)



Push down on kick plate.

After you are off the ladder, pull on the D-ring and the Ratchet Leveler will return to the storage position.

Make sure the rungs are level before climbing. Do not extend all Ratchets. Ratchets are not intended for gaining height.

Scaffolding

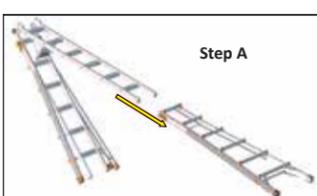
1. Do not use outer or inner sections of the ladder as a separate stepladder.
2. When the scaffolding plant is above the third rung (three feet high, 0.91 m), it may be used as a work bench, but not a standing platform.
3. ANSI rules state that the scaffolding plank should not be used as a standing platform at heights greater than three times the minimum width of the base section.
4. The scaffolding system has a one-man, 250-pound (113 kg) rating.
5. Only one person should be on a scaffold plank at a time.

(Plank is sold separately.)

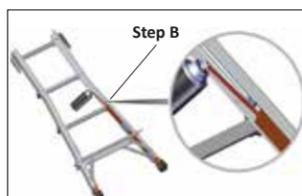


Remove the outer sections. Attach the trestle brackets. Insert the plank at desired height.

Ratchet Leveler Care

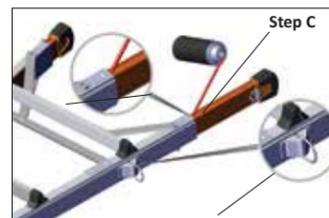


Step A: Remove the outer assembly from the inner assembly.



Step B: Using ONLY a Dry Lubricant, generously apply to the inside of the inner tube. Angle Dry Lubricant as such that it will spray inside the top of the Ratchet leg as shown, clean off any excess lubricant.

Dry Lubricants that we suggest are: Dupont, Tri-Flow, or B'Laster



Step C: Extend the Ratchet Leveler. Using the Dry Lubricant generously apply to the top, bottom and sides of the internal Ratchet Leveler (as shown in the illustration). Clean off any excess lubricant.

Step D: Apply the Dry Lubricant generously to the inside of the D-Ring housing located on the side rail (as shown in the illustration). Clean off any excess lubricant.