



# Mini Riser

Using and Adjusting Guide: v1.1

For large, full color pictures, and how-to video go to:

[www.lab424.com/using/mini-riser](http://www.lab424.com/using/mini-riser)

Find answers to common questions at:

[www.lab424.com/support-forums/mini-riser](http://www.lab424.com/support-forums/mini-riser)

Send us your questions at:

[www.lab424.com/contact/project](http://www.lab424.com/contact/project)

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## Safety Warning and Disclaimer

**Safety is your responsibility.** Projects set forth on the Laboratory 424 web site are a lot of fun, but fun ends quickly if you or someone gets hurt. Take a minute to review these safety warnings and our disclaimer.



- Project safety is your responsibility
- Always wear appropriate safety gear.
  - Make sure you have adequate skills and experience to construct the project.
  - Make sure you know how to properly use all equipment.
  - Keep in mind that tools, electricity, chemicals, and other resources used in these projects are dangerous. Use them with appropriate precautions and safety gear.
  - These projects are not intended for use by children.

- Part and Material handling is your responsibility
- Parts and materials sold through our store may require special handling, precautions, and safety gear to avoid injury. For instance, they may have sharp, rough edges that can cause harm if not handled appropriately, or be small enough to pose a choking hazard for children and pets.
  - Wear appropriate safety gear when handling parts and materials, and use caution.
  - Keep all parts out of reach of children and pets.

- Final product use is your responsibility
- If you build a product from either your own parts or one of our parts kits we do not warrant the fitness or safety of the final product resulting from the project.
  - Products assembled by Laboratory 424 are carefully built and inspected in our lab to meet our high standards. We stand behind the quality of products we assemble. If there is a problem with a product we assembled, please contact us so we can do our best to fix the problem. Use of the product is still your responsibility.
  - Use your own judgment whether the product is appropriate for the intended use and audience.
  - Final product may be inappropriate for children and some people.

Disclaimer  
Use of project plans, suggestions, parts, and supplies provided by Laboratory 424, LLC, is at your own risk. Use of the final product resulting from the project is at your own risk. Laboratory 424, LLC disclaims all responsibility for any resulting damage, injury, or expense. It is your responsibility to make sure that your activities comply with applicable laws, including copyright. Please review our Terms and Conditions of Use at [www.lab424.com/terms](http://www.lab424.com/terms) for other important information.

Thanks for buying some Mini Risers!

Before you head out with your riser you'll want to make sure it fits your laptop correctly. This guide will show you how to use and adjust your mini riser. **For larger, full color pictures and how-to video go to:**

[www.lab424.com/using/mini-riser](http://www.lab424.com/using/mini-riser)

Enjoy!

## Using

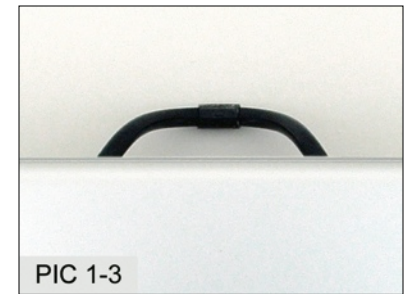
Out of the box the Mini Riser should fit most laptops. It's simply a matter of placing the mini riser in the correct location and you are good to go. However, if your laptop is very large, small, or top heavy you may need to adjust the riser to properly support your laptop.



Prefer video? We have a video on using mini risers at: [www.lab424.com/using/mini-riser](http://www.lab424.com/using/mini-riser)

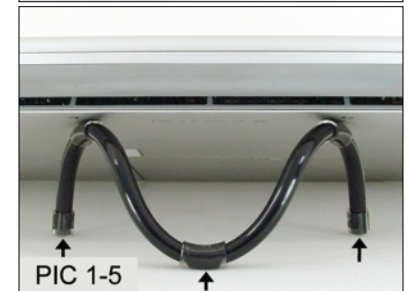
## Place:

Set the mini riser on a flat surface. (PIC 1-1) Place your laptop on the riser so the riser is centered (use logo on the lid). The bend of the riser should stick out from the back a little (about 0.5 inch). (PIC 1-2) Visually check that the riser is evenly positioned along the edge of the laptop (uneven placement will lead to imbalance). (PIC 1-3) Placing the riser in this fashion provides the most stable platform for your laptop.



## Check:

The first time you use the riser you should check that the bumpers are positioned correctly and the balance is good. Look at the side of the laptop. The two bumpers on the legs should contact the laptop in their center. (PIC 1-4) Now look at the back of the laptop. The three bumpers on the ends of the legs should evenly contact the table. (PIC 1-5) Open the Screen. Apply counter-pressure to the keyboard as you open the screen to prevent it from lifting off the table. (PIC 1-6) Play with the keys and trackpad. There shouldn't be significant shift or wobble. If any of these are a problem, proceed to the **Adjusting** section to fix it. If all is good, make sure you read our **Precautions** (page 5) before you head off to the coffee shop.



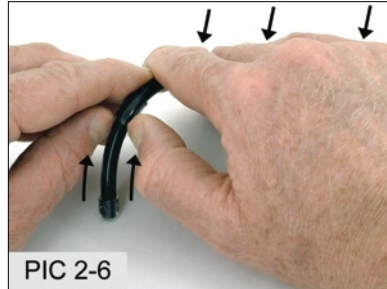
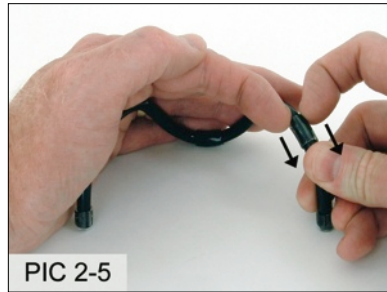
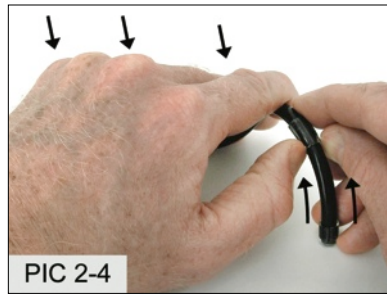
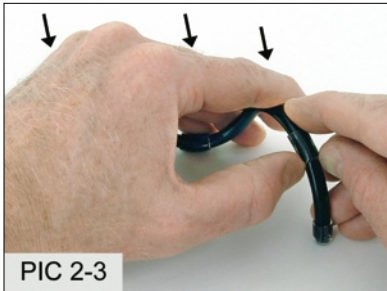
## Adjusting

If you are having balance issues, the first thing to check is that the riser is centered and parallel to the back of the laptop as instructed in the **Using** section. If the riser is centered, evenly placed, the bumpers are in place, and you still have balance problems you probably need to adjust the riser to fit your laptop.

**Prefer video?** We have a video on adjusting mini risers at: [www.lab424.com/using-mini-riser](http://www.lab424.com/using-mini-riser)

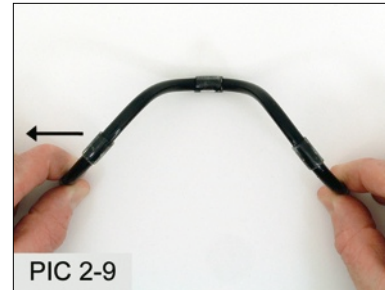
## Moving Bumpers:

The bumpers need to properly contact the laptop as noted in the **Using** section. While your laptop is on the riser, note the direction and distance the bumpers should move to be centered on the bottom of the laptop. (PIC 2-1) Remove the laptop and set the riser on the table in front of you. Grab the edge of the bumper with your fingers while stabilizing the riser with your hands. (PIC 2-2, PIC 2-3) Push or pull the bumper into the new position. Fingernails help. (PIC 2-4, PIC 2-5) Repeat for the other side. (PIC 2-6) Make sure the bumpers are even on each side. (PIC 2-7) Set your laptop on the riser and check if bumpers are contacting properly. Adjust as needed.

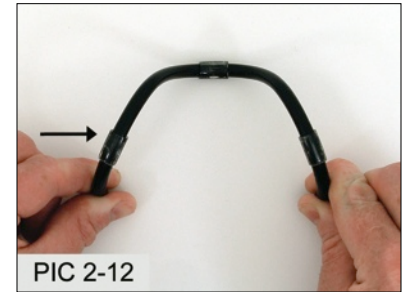


## Changing Width:

To widen the riser, set the riser on a table in front of you. Grab each leg with your hands. (PIC 2-8) In a slow, smooth motion stretch one of the legs apart while holding the other firmly in place. (PIC 2-9) Place your laptop onto the riser to see how it fits. Continue widening the riser until you feel the laptop is properly supported. You may have to adjust the legs and bumpers after this procedure. (PIC 2-10)



To reduce the width of the riser, set the riser on a table in front of you. Grab each leg with your hands. (PIC 2-11) In a slow, smooth motion push one of the legs inward while holding the other firmly in place. (PIC 2-12) Place your laptop onto the riser to see how it fits. Continue moving the legs until you feel the laptop is properly supported. You may have to adjust the legs and bumpers after this procedure. (PIC 2-13)



## Fixing a Twisted Riser:

Your riser has been twisted if it has a noticeable lean from the front view, and the end caps are even from the top view. (PIC 2-14, PIC 2-15) This can easily be corrected. Take note which way the riser is leaning. Grab the riser by the legs with both hands and twist in the opposite direction of the lean. (PIC 2-16) Set the riser on the table and inspect. (PIC 2-17) Repeat until the riser is level.





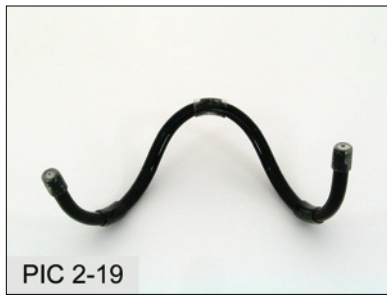
PIC 2-15



PIC 2-16



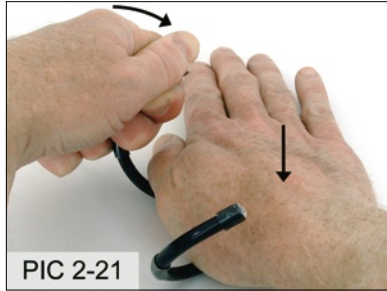
PIC 2-17



PIC 2-19



PIC 2-20



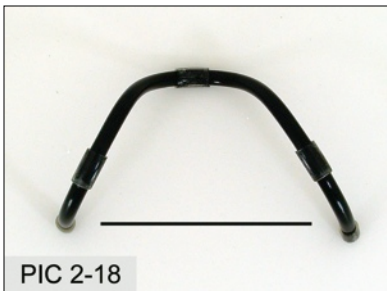
PIC 2-21



PIC 2-22

### Fixing a Pulled/Pushed Leg:

Your leg has been pulled/pushed if the end caps from the top view are not even. (PIC 2-18) Take note which leg is uneven. Flip the riser over. (PIC 2-19) Put pressure on the center bend with one hand, and grab the uneven leg with your other hand. (PIC 2-20) Slowly, bend the leg in the desired direction. (PIC 2-21) Set the riser upright on the table and check to see if it is even. (PIC 2-22) Repeat as needed.



PIC 2-18

### Precautions

Here are some precautions to consider when using your Mini Riser:

#### Changing laptop/riser position on the table:

The riser will not slide around on the table easily. If you want to rotate/move your laptop you will need to pick up the laptop, move the riser to the new position, then place the laptop onto the riser. (PIC 3-1)



PIC 3-1

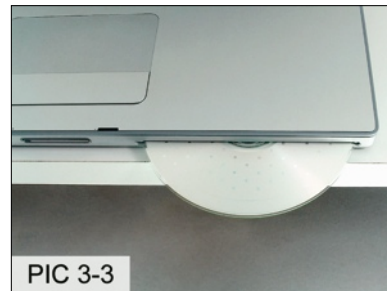
#### CD/DVD drive in the front:

The riser will prevent the CD/DVD from properly being inserted or ejected while in use. (PIC 3-2) Here are two workarounds to use your CD/DVD drive:

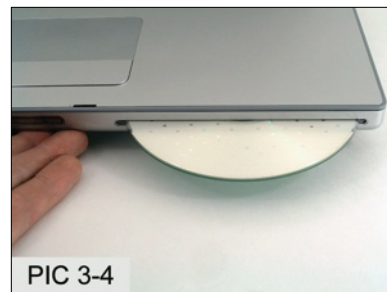
- Position the computer at the edge of the table so the CD/DVD can clear the table. (PIC 3-3)
- When inserting/ejecting a CD/DVD, lift the front edge of the computer. (PIC 3-4)



PIC 3-2



PIC 3-3



PIC 3-4

#### Hand or wrist pain:

As with any keyboard or riser, make sure you have good posture, take breaks, and avoid bending your wrists. If you do experience any hand or wrist pain while using the mini riser, stop using it immediately and seek professional medical advice on how to proceed.



#### Your Coolness Factor:

Mini Risers look cool and tend to attract attention in coffee shops, classrooms, libraries, etc. Make sure you dress nice, comb your hair, and carry along an extra riser to share.

