

LGD Premium Router Sled Kit

Thank you for your purchase of our new LGD Premium Router Sled Kit. Your sled has been assembled and tested to make sure it's ready to work right out of the box. The attached quick start setup guide should answer any questions you have as you set up your sled, however, don't hesitate to contact us directly with any unanswered questions.

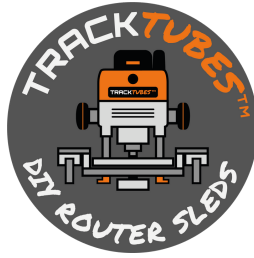
For additional information, please go to our website, [TRACKTUBES.com](https://www.tracktubes.com), and read the **DIY Router Sled Kit Information Page**. We're continuously updating this page with new information. Additionally, we've set up a new Instagram account, [@diyroutersleds](https://www.instagram.com/diyroutersleds), where we will be adding posts, stories, and reels showing different aspects of the sled.

Once again, thank you for your purchase! We appreciate your support of The TRACKTUBES™ Project and look forward to providing any assistance possible as you begin using your sled.

Best regards,

The TRACKTUBES™ Team
Fred & Glenn

Contact Info:
fred@tracktubes.com - (423) 946-7103
glenn@tracktubes.com - (530) 410-4242



LGD Premium Router Sled Kit

Setup Instructions

STEP 1 - Unboxing

Set the box on a flat surface so the side marked "TOP" is up. Open the "FRONT" of the box and remove the styrofoam packing block. Grab hold of the sled frame and carefully pull the sled out of the box. Be aware there is a separate box nested within the frame. Remove the stretch wrap and other packing material from the sled and place the sled on a flat surface. Inspect the sled and please contact us immediately if any damage is noticed.

STEP 2 - Accessories

Open the accessory box and take inventory of the accessories. Depending on the Kit you purchased, you should have the following:

- (1) Two-piece dust collection boots with 2 sections of 2" strip brush (both kits).
- (2) Tension Brackets with M6 threaded knobs and (4) 1/4-20x 1/2" socket head screws.
- (2) M6 x 35mm threaded knobs (Triton kit only - used for attaching the router to base).
- (4) Acrylic Subbase w/(4) M6x12 knobs (Only if Acrylic Subbase was ordered).
- (1) 4mm ball-end hex screwdriver.
- (4) 3d printed dust sweeps (attached to gantry frame).
- (1) 3d printed base stop (attached to gantry frame).

STEP 3 - Gantry Setup

- 1) Attach your TRACKTUBES™ to the bench used for planing, making sure they are parallel and secure firmly. The 42" gantry has a max. installation width of 39.5" (from outside to outside).
- 2) Turn the sled frame over and loosen the (4) socket head screws securing the rear bearing bracket. Only loosen enough so the bracket will slide on the extrusion rails.
- 3) Place your gantry frame onto the tubes so the front bearings are sitting on the top of the tube and the inside of the bearing bracket is touching the inside of the tube. Note: Before mounting the gantry, make sure the tension knobs are adjusted/backed out so they don't touch the tube when installing the frame.
- 4) Move to the rear of the gantry frame and position the adjustable rear bearing bracket so the bearings are sitting on top of the TRACKTUBES™. While doing this, keep slight pressure toward the front bearing bracket so the the gantry doesn't shift towards the rear and allow the front bearings to drop off the TRACKTUBES™.

Setup Continued

STEP 3 - Gantry Setup (cont.)

- 5) While keeping forward pressure on the front bearing bracket, hold the rear bearing bracket in place and tighten the socket head screw located at the rear of the rear bearing bracket with the included 4mm ball-end hex screwdriver. Note: The adjustable rear bearing bracket was designed for easy access to this screw. Using the included 4mm ball-end hex screwdriver makes this an easy task.
- 6) Roll the gantry frame onto its side and tighten the (2) screws on the inside of the rear bearing bracket. Now carefully lower the gantry down, into its operating position.
- 7) Move to the front of the gantry and adjust the Tension Knobs so they just make light contact with the side of the TRACKTUBES™. These knobs can be adjusted to the your desired amount of resistance you have while moving the gantry on the TRACKTUBES™ (y axis).
- 8) Roll the gantry up and down the TRACKTUBES™ (y axis) to ensure the gantry rolls smoothly the entire length.

STEP 4 - Router Installation (Triton)

- 1) Place the router on the aluminum base in the orientation you desire, lining up the through holes in the router base to the M6 threaded holes in the aluminum sled base.
- 2) Using the two M-6 x 35mm threaded knobs supplied, insert the knobs one at a time, and **tighten only until snug** enough to hold the router in place. **Be careful not to overtighten the knobs!**

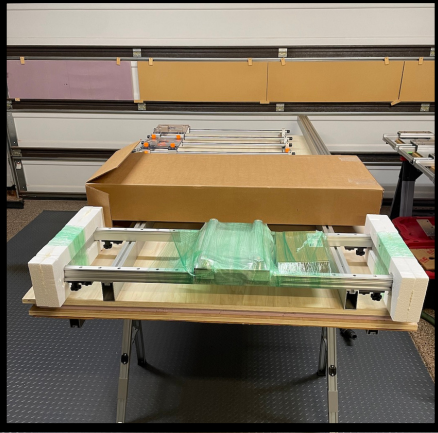
STEP 4-1 - Router Installation (Sub-base)

- 1) Loosen the 4 knobs securing the acrylic sub-base to the aluminum base and remove the sub-base.
- 2) Remove your router's stock sub-base from the router. Place the acrylic sub-base on your router and center. Mark the center of the router's mounting holes (Tip: double-sided tape works well for this).
- 3) Using the properly sized drill bit (see note below), drill the counterbore/countersink and thru holes for the mounting holes.
- 4) Attach the acrylic sub-base to the router and re-install on the aluminum base with the knobs provided.

Note: You will usually need to purchase longer mounting screws for the acrylic sub-base. A pocket for the head of the screw is necessary for the screw head to sit flush or slightly below the bottom surface of the acrylic sub-base so the sub-base sits flat on the aluminum base. The pocket can be counterbored (flat bottom) or countersunk (angled) .. it's your choice depending on the screws you use. It's advisable to do this on a drill press if possible and drill the counterbore or countersunk pocket first, then the through hole.

Setup Photos

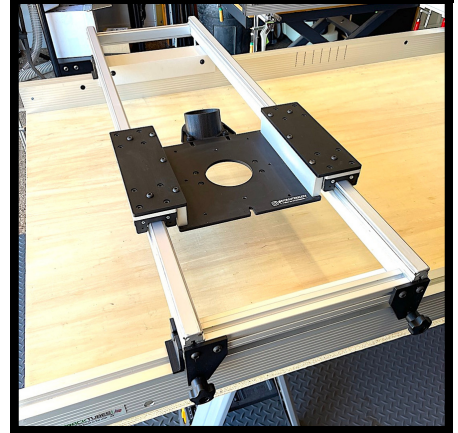
STEP 1 - Unbox



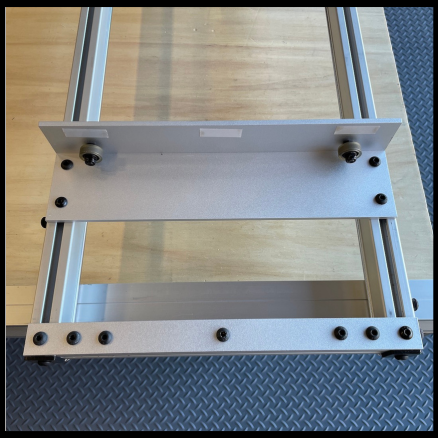
STEP 2 - Check Accessories



STEP 3 - Gantry Setup



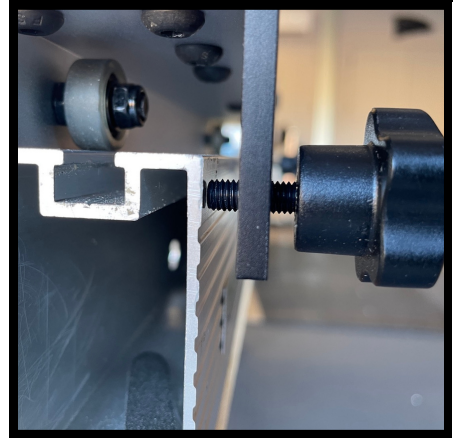
STEP 3-2: Rear Bracket Screws



STEP 3-3: Tighten Rear Bracket



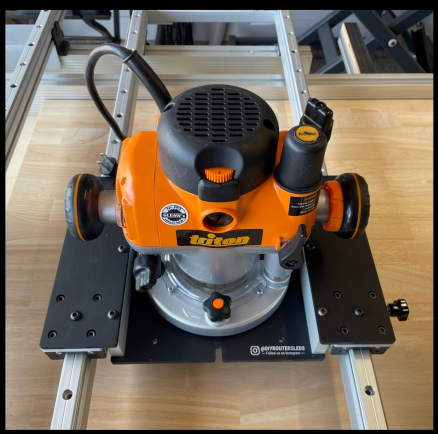
STEP 3-7: Triton Router



STEP 4-1: Triton Router



STEP 4-2: Triton Router



Two-Part Dust Boots



The LGD Premium Router Sled includes our toolless two-part dust collection boot. The 2" brush strips need to be slid into the channels of the front and rear dust boots. Once installed, use a razor knife to trim the ends flush with the dust boot ends. To install on the sled base, make sure the ends of the DC boots slide into the tabs located on the bottom of the base. Install the front DC boot first, with the knob tab being flush to the front of the router base, then install the rear DC boot in the same manner. Tighten the dust boot's mounting knobs securely.