



Welcome to the V4 OEM Pro joystick experience!

Before installing your Tao V4 OEM Pro joystick, I highly highly recommend watching the entire video linked in the QR code to the left. We're so sorry that the video is very long, but knowing the nuances of this new v4 design will prevent any failures due to a lack of knowledge about the product.

One of the key features of this product is the ability to adjust the deadzone and tweak the benchmarks of your N64 joystick. This feature is the crown jewel of the TaoStyx64 project, and has been perfected with the the help of Rocker at RockerGaming. This feature can be accessed from the outside of the controller without the need to disassemble the controller.

To access the adjustment mechanism of the joystick, one need only to remove the joystick cap and to use the provided 0.9mm hex key (the small black one) to find a very small screw inside the joystick. If you tighten (righty tighty) the screw, your deadzone will become smaller and the joystick will become tighter. If you loosen the joystick (lefty loosey), the deadzone will increase and your joystick will have more slack in it.

A few things to carefully consider:

1. The internal screw is small and delicate. Be sure that the hex key "locks" into its hex slot before turning the hex key. This slot is in the very center of the screw down inside the joystick. Doing so ensures the longevity of the internal screw. Also, if you feel like the screw gets stuck, do not force it beyond that limit. This could strip the internal screw and ruin the adjustment mechanism of your joystick. *The takeaway is to be gentle with the internal adjustment mechanism.*
2. When adjusting your joystick, you will find a happy medium by tightening the internal screw and loosening that internal screw. The internal threads are coated with a special beeswax blend to ensure that the screw only moves when you turn it with the hex key. Be aware that if your nib is extended out too far (internal screw is too tight), the joystick will feel too tight or will bind in certain notches. If this is the case, loosen your internal screw.
3. When re-installing your cap after adjusting the internal screw, be mindful that you do not lose the o-rings that come with your cap. Ensure that also these o-rings are put back in place if they become dislodged during disassembly.
4. When tightening your cap back into place with the provided T6 wrench (red), be mindful of the amount of torque you are applying. *This is very important:* Only apply enough torque to ensure that the cap does not come off during gameplay. Too much torque can shear the cap screw and could potentially damage the threads inside your metal joystick. Be aware that the provided o-rings that live under the joystick cap help to reduce the amount of torque needed to hold your joystick cap in place. If you lose these o-rings, it is highly recommended that you replace them as soon as possible. Replacements can be purchased on aliexpress (links provided below).

As with all Tao adjustable nib joysticks, we don't recommend removing the internal screw from your v4 slim joystick. It is said "What is small is easy to scatter." Also, removing the screw could introduce dangers that are completely avoided if the screw remains inside the joystick.

The internal screw of your joystick is coated with a special beeswax which prevents the screw from rotating during play but exhibits no danger of permanently gluing the screw inside the joystick (as we have discovered with some other thread lockers). The beeswax also adds resistance to the screw to allow for more precision in your adjustments.

We recommend only using the provided injection molded nib (or any other nibs issued by RockerGaming). We feel that the

injection molded nib is a substantial upgrade from previous nib designs since the nib actually locks onto the internal nib adjustment mechanism. Unfortunately, for all intents and purposes the specialized Tao V3 and V4 joystick nibs are not recommended to be interchanged due to differences in their dimensions. Cut 3/32" Teflon rod will work for both v3 and v4 joysticks, though, if the rod is cut to a usable length. This is a future-proof solution in case nibs become unavailable in the distant future. Although, we will do our best to make sure nibs remain available as long as we possibly can.

Lubrication is always recommended inside any N64 joystick module. If you're using plastic gears (recommended), I recommend using SuperLube with this stick. Metal gears are not recommended as you can get a much better playing experience using plastic gears. OEM gears are the best as of writing this, but in the future RockerGaming's gears could be an excellent replacement option compared to OEM (if not better in some ways).

Any joystick cap screw with M2 threads will fit into this joystick. To use legacy M3 caps, you can simply use the provided cap adapter. A simple video explaining the adapter will be provided as a QR code on the bag containing the adapter parts.

I know I'm repeating myself, but I can't emphasize this point enough. This joystick has M2 threads (smaller, more delicate) and most other metal joysticks have M3 threads (thicker, more robust threads). If you are familiar with other metal joystick options, be aware that the amount of torque that can be applied to the joystick cap threads is significantly less than joysticks with M3 threads.

The M2 screw is obviously thinner in diameter than an M3 screw, so it is **very** important to be mindful of the amount of torque you are applying when tightening your M2 cap screw. People accustomed to the massive amount of torque needed to secure an M3 screw have broken their M2 screw in half with part of the screw stubbornly left inside of their joystick.

Again, be aware that the o-rings reduce the amount of torque needed to secure the joystick cap due to their lock washer type action on the joystick cap.

The o-ring acts like a lock washer while simultaneously increasing friction under the cap. Significantly less torque is needed to tightly fasten the cap when the o-rings are employed.

Important: To increase friction between the joystick and the cap, we have provided rubber o-rings to prevent the cap from spontaneously coming loose during gameplay. The use of the o-rings is mandatory when using this product. We will not support failures of the product for people that have opted not to use the rubber rings.

The small o-ring goes on the end of the screw under the joystick cap. The larger o-ring goes into the circular groove on top of your v4 OEM Pro joystick. Lay the large o-ring in place (it will pull itself into the groove when tightening the cap) and push the small o-ring onto the screw and screw the cap in place.

Note: There is a difference between the large o-ring for RockerGaming caps and flat bottom caps (like Tao and SS64). The cross sectional diameter of the o-ring used for Rockergaming caps is 0.5mm (looks thinner). The o-ring for Tao/SS64 caps is 0.8mm in cross sectional diameter (looks thicker).

If you have a torque driver, .17 Nm (1.50 in lbs) is "magic number" for torque application to the M2 cap screw used with rubber rings.

If you want to buy more of these rubber rings, you can purchase them via links in the description of the YouTube video linked above. If the links die, let us know on the TaoStyx64 discord, and we will provide new links. If you ever sell your Tao Slim v4 Joystick, please educate the buyer about the importance of the rubber rings.

Here are the dimensions for the o-rings in case the links die:

large (SS64/Tao): 5.1 x 3.5 x 0.8mm

large (RG): 5 x 4 x 0.5mm

Small (all caps): 3 x 1.4 x 0.8mm

If you would like to ask questions or would like to give your feedback about the V4 joystick, please do so in the TaoStyx64 discord, tagging @Mod. If the question needs my help, they will loop me into the discussion.

Thank you endlessly for your support.

Without people like you, this project would not exist. We do all of this amazing stuff together. We are co-creating these amazing parts together. Any success TaoStyx64 enjoys is also your success. Your gameplay success with these parts is also our success, and we celebrate with you. Thank you so much.

~ALinkToTao (Aaron)