Assembly Instructions

General

Hardware

Power supply: our StackRail controller can accept 12V to 24V with 2.1 jack and center positive power supply with enough power rating for your motor.

The four motor connection pins are arranged as A+ A- B+ B-. The StackRail controller has the ability to adjust power output from 0.125A to 1.5A, so you can use it for many different motors

Limit Input on the controller box is designed for user to install limit switches -- when rail reaches either ends, a switch will be activated and the controller will detect that and stop the rail. Currently, you do not need one because most of the time you can see it visually.

Software download

You can download StackRail control software and manual in PDF format on MJKZZ website

http://www.mjkzz.com/support

If you purchased SnapFuse software and manual, you can download it at the same place as above. Note, you will need the SnapFuse Security dongle to operate it.

SnapFuse Security Dongle

This dongle is used for SnapFuse, it does not need any driver at all and it is read by SnapFuse when it starts up. Without this dongle and after trial period expires, SnapFuse will run in reduced capacity -- output file is resized to smaller size.

USB Wired Controller

This is USB based wired controller. Software driver is not needed for most Windows because it is included in Windows operating system.

Bluetooth Controller

This is bluetooth based controller. For latest windows (such as Win 10), software driver is included. For other Windows, please download software driver for your operating system here:

https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx

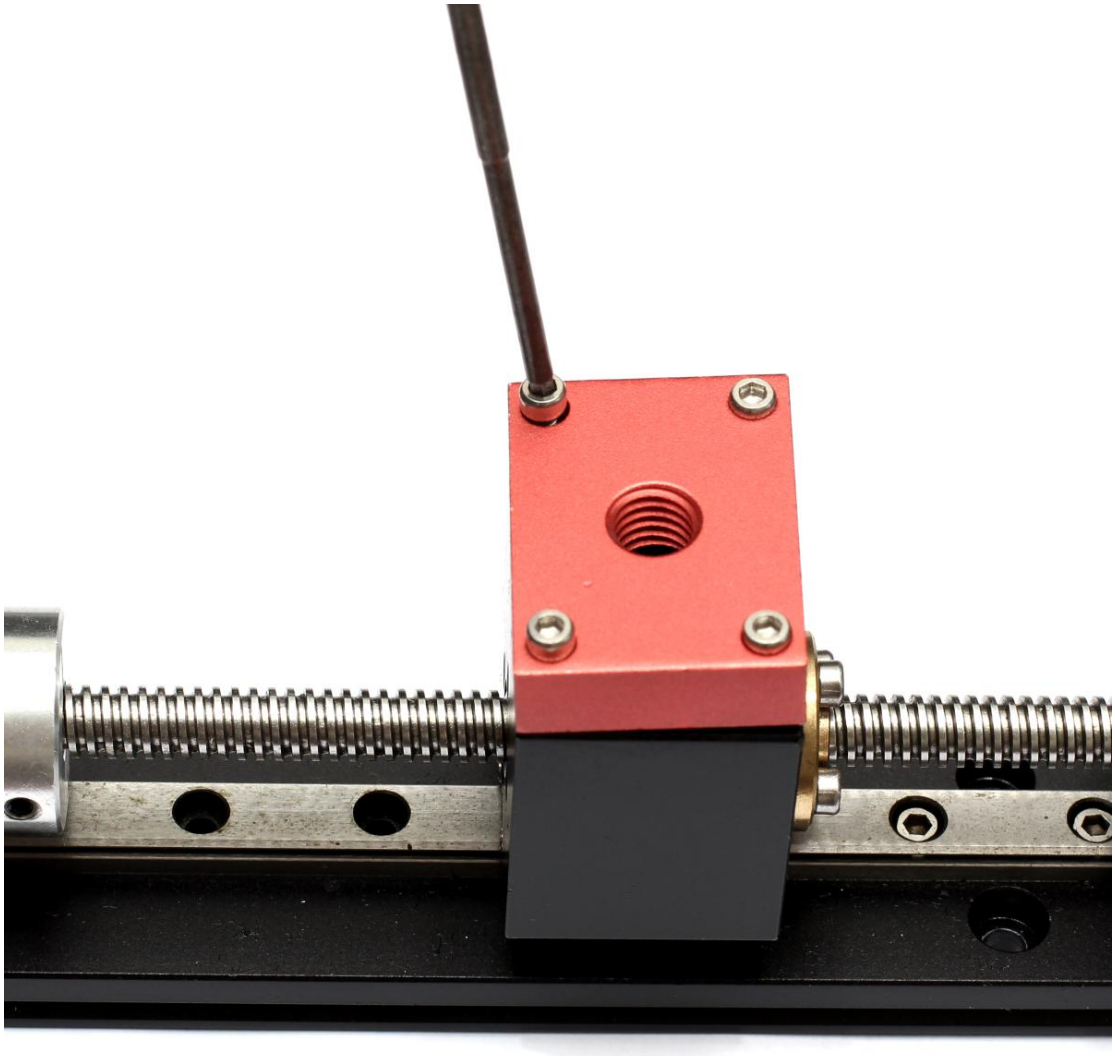
Once your have driver installed, plug the USB Bluetooth dongle into your PC and power up the Bluetooth controller. **When lights on both sides become continuous, they are ready to operate.**

Bluetooth dongle to plug into PC/Mac

Bluetooth Controller.

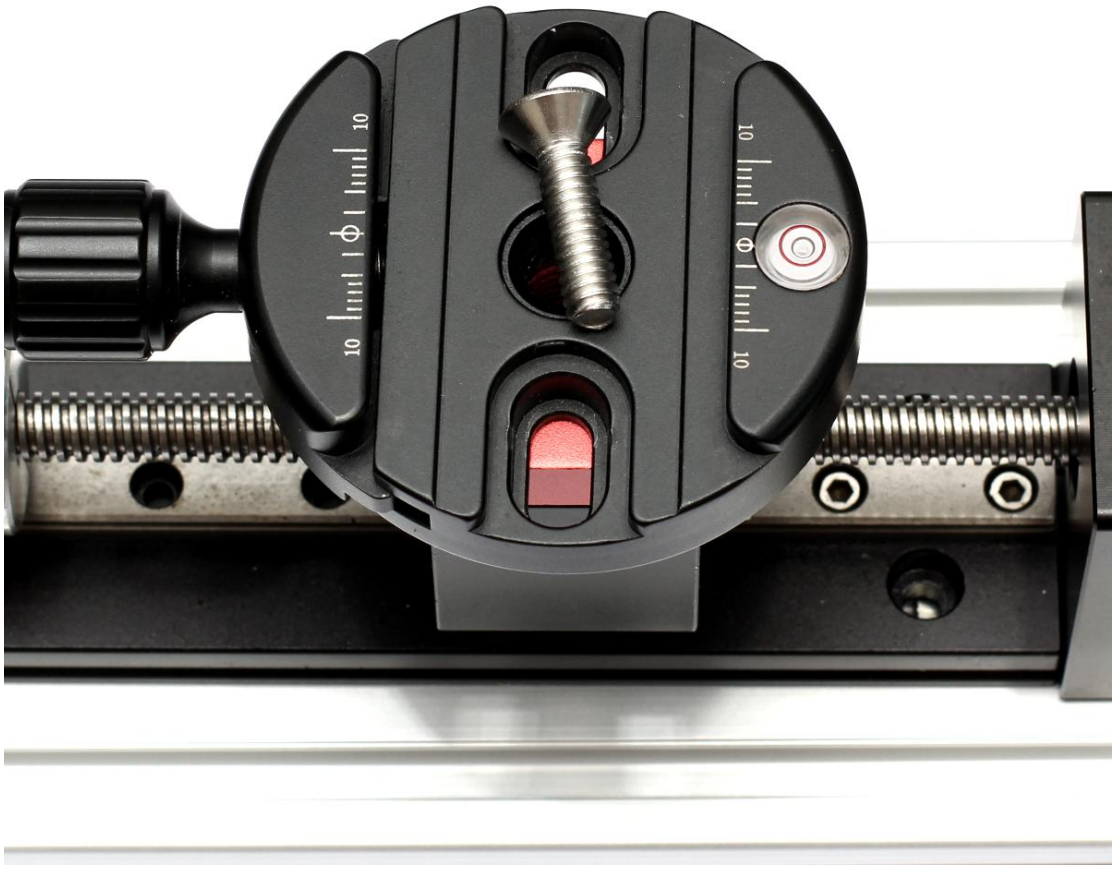
SR-90 Assembly

Step One : Put the red aluminum block onto the rail like picture below.

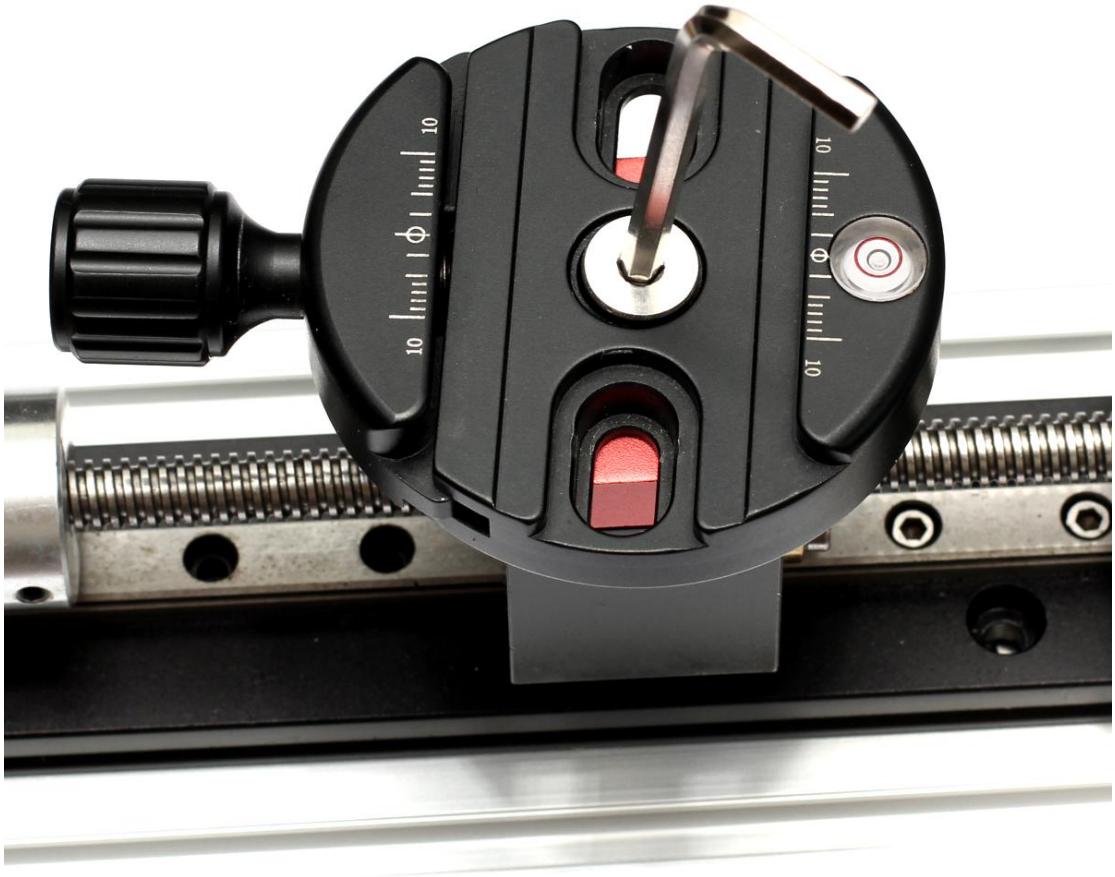


Step Two: Put camera quick release on to the rail so that any camera with quick release plate can be slided in and secured.

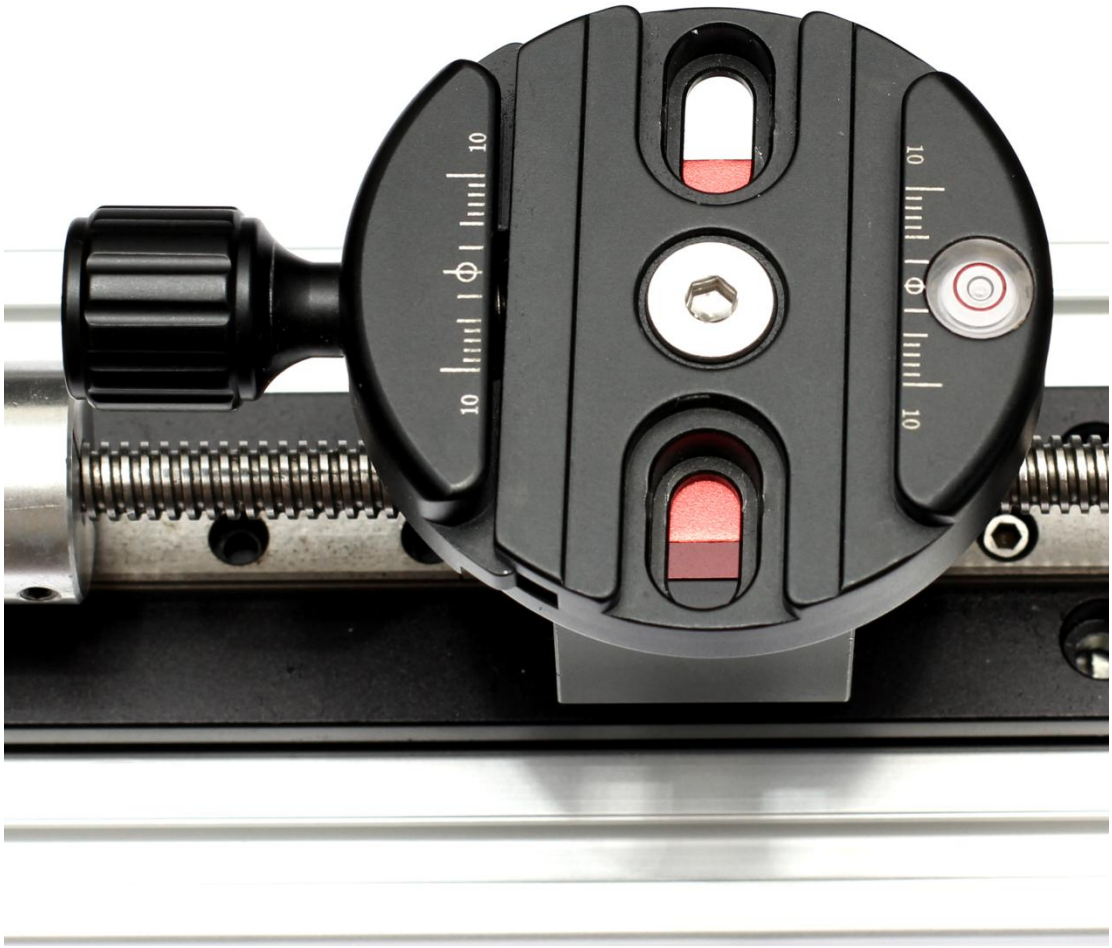
Find the included 20-1/4 screw shown below on top of the clamp.



Use the included allen wrench to secure the QR clamp.



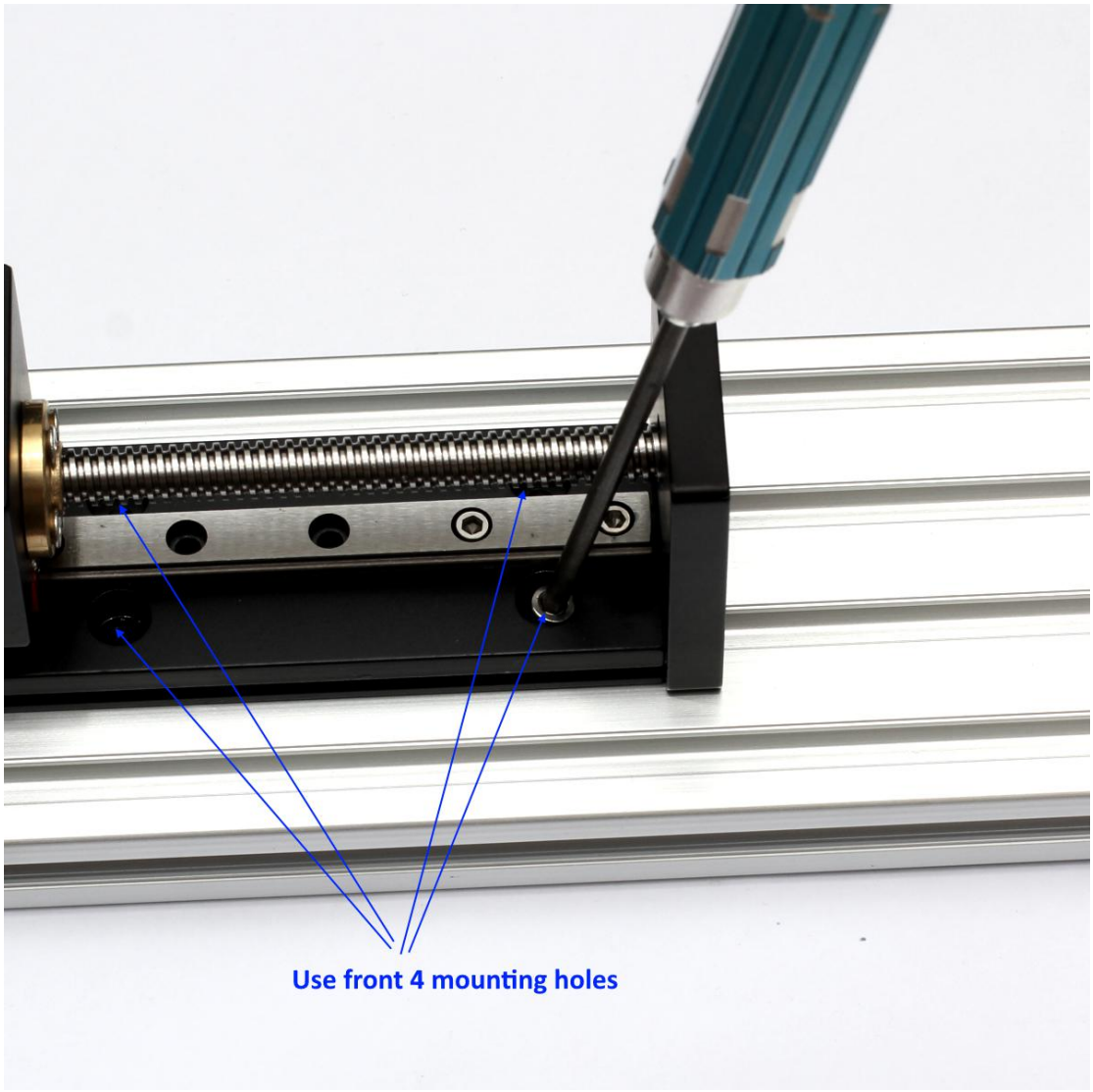
Finally done



Step 3: Putting the rail onto aluminum board (if you purchased this option).

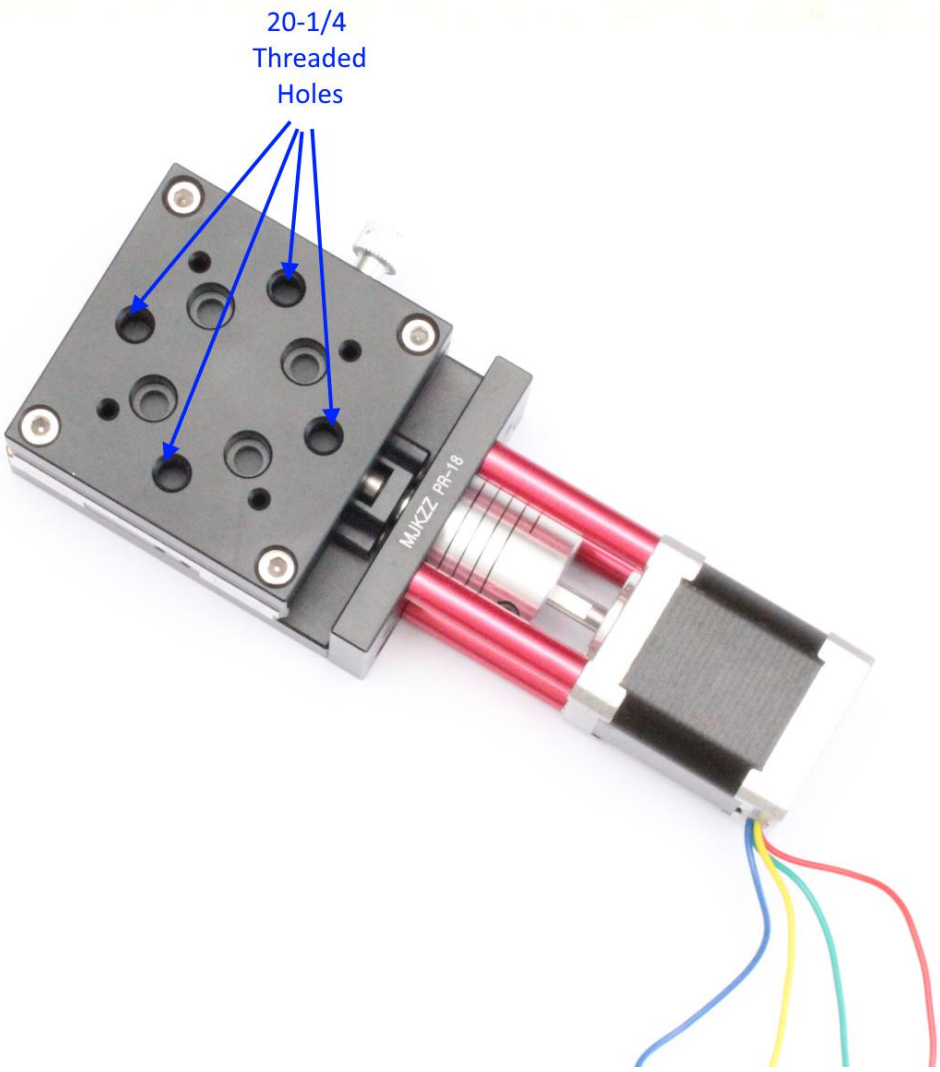
Slide four nuts with M4 thread into the aluminum T-slot

Put the rail on top of the T-slot and align it so that mounting holes on the rail is right on top of each nuts, then use M4 screws to secure the rail. There are six mounting holes, you can use the front 4, the other two is kind hard to access.

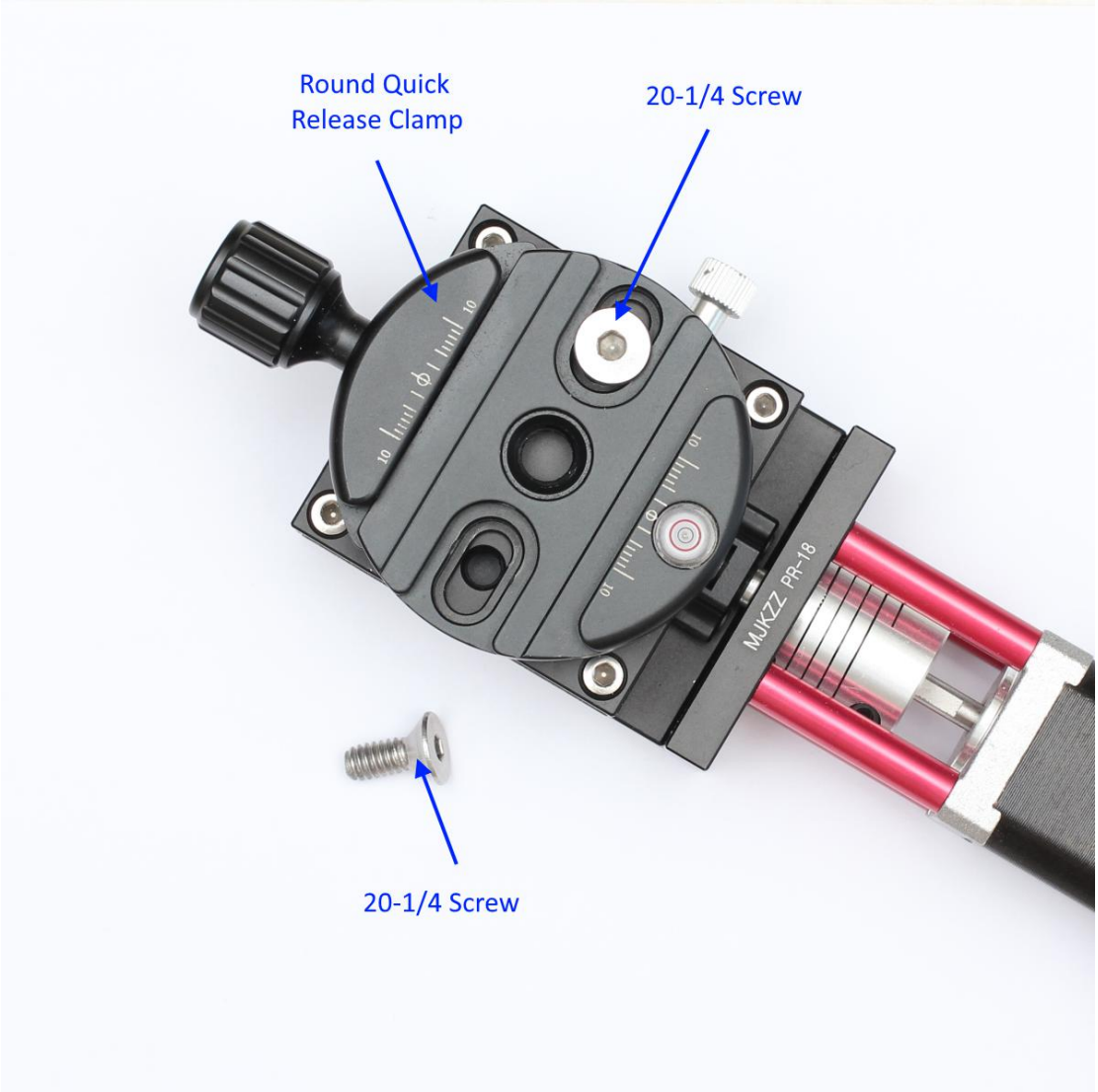


PR-18 Assembly

Step One: put PR-18 on a table like below.



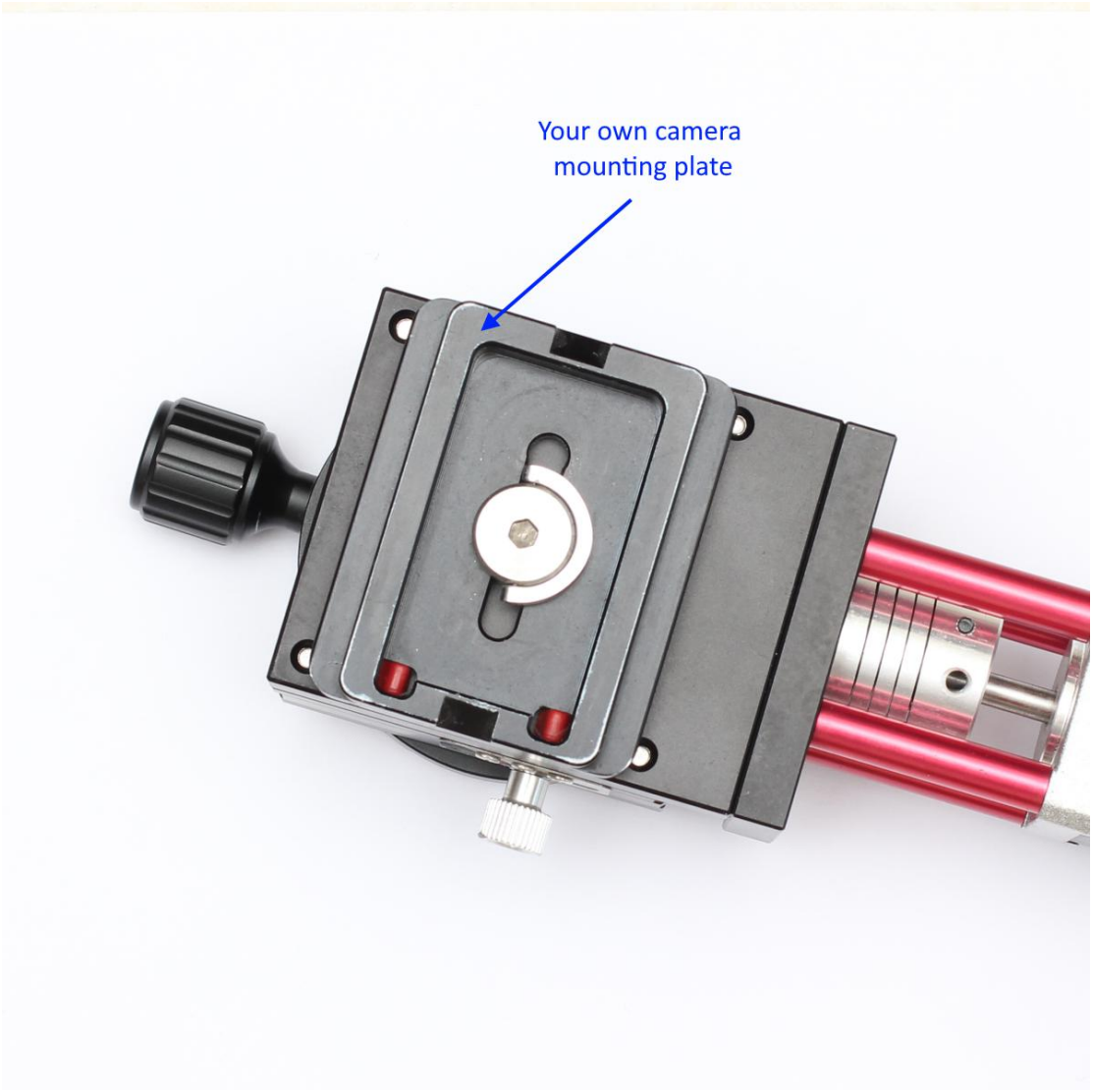
Step Two: Secure the included round quick release clamp onto the top of rails via two 20-1/4 threaded holes



Once you have done the above, the rail is ready to accept a camera. However, it is a good idea to put the whole assembly onto either a tripod or the optional T-slot aluminum board

On to a tripod: most tripod comes with a camera mounting plate and a clamp. At the bottom of the rail, there are 5 20-1/4 threaded holes, use the center one like below:

So that it looks like this:

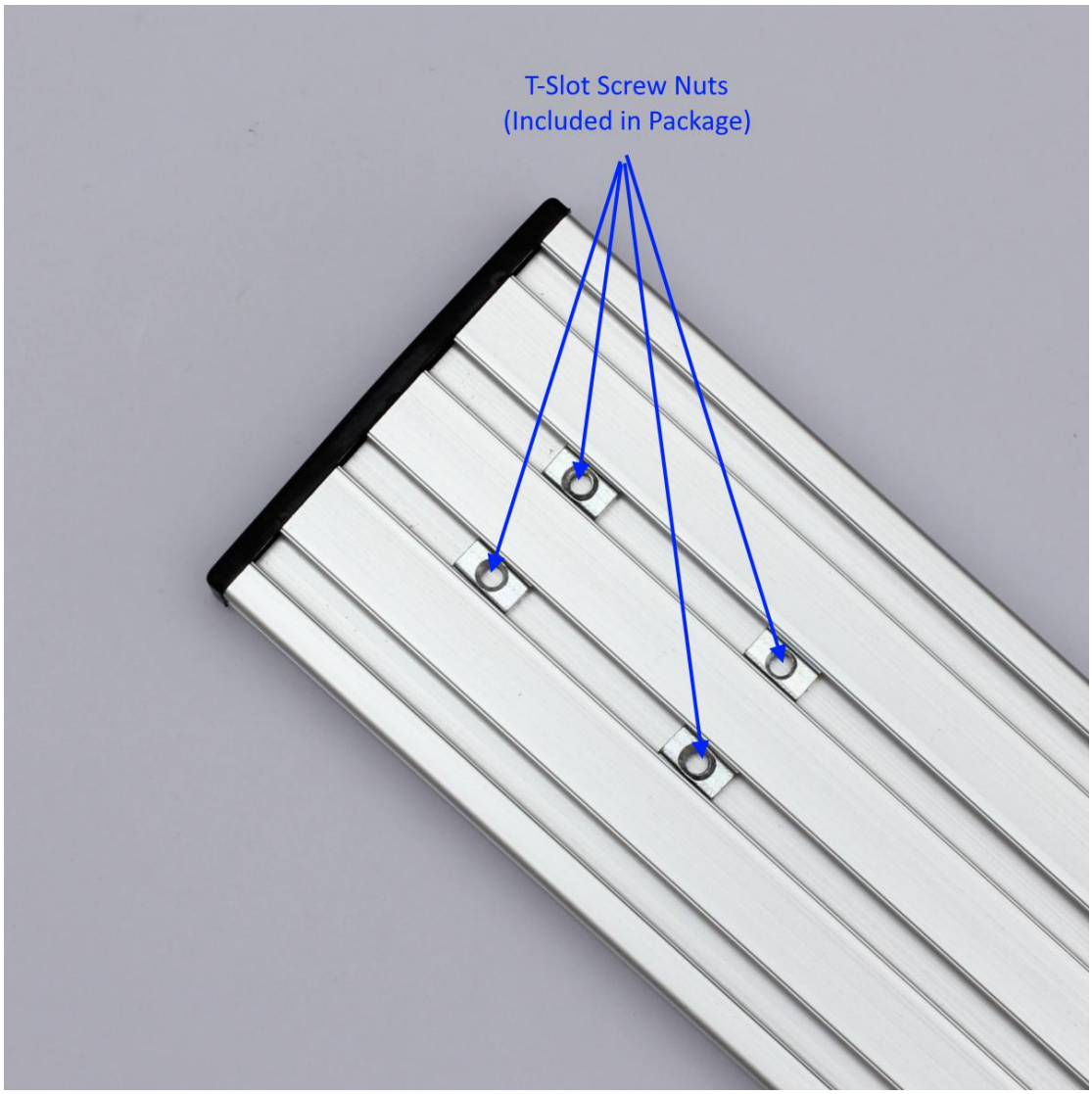


Now, mount it on a tripod with a camera

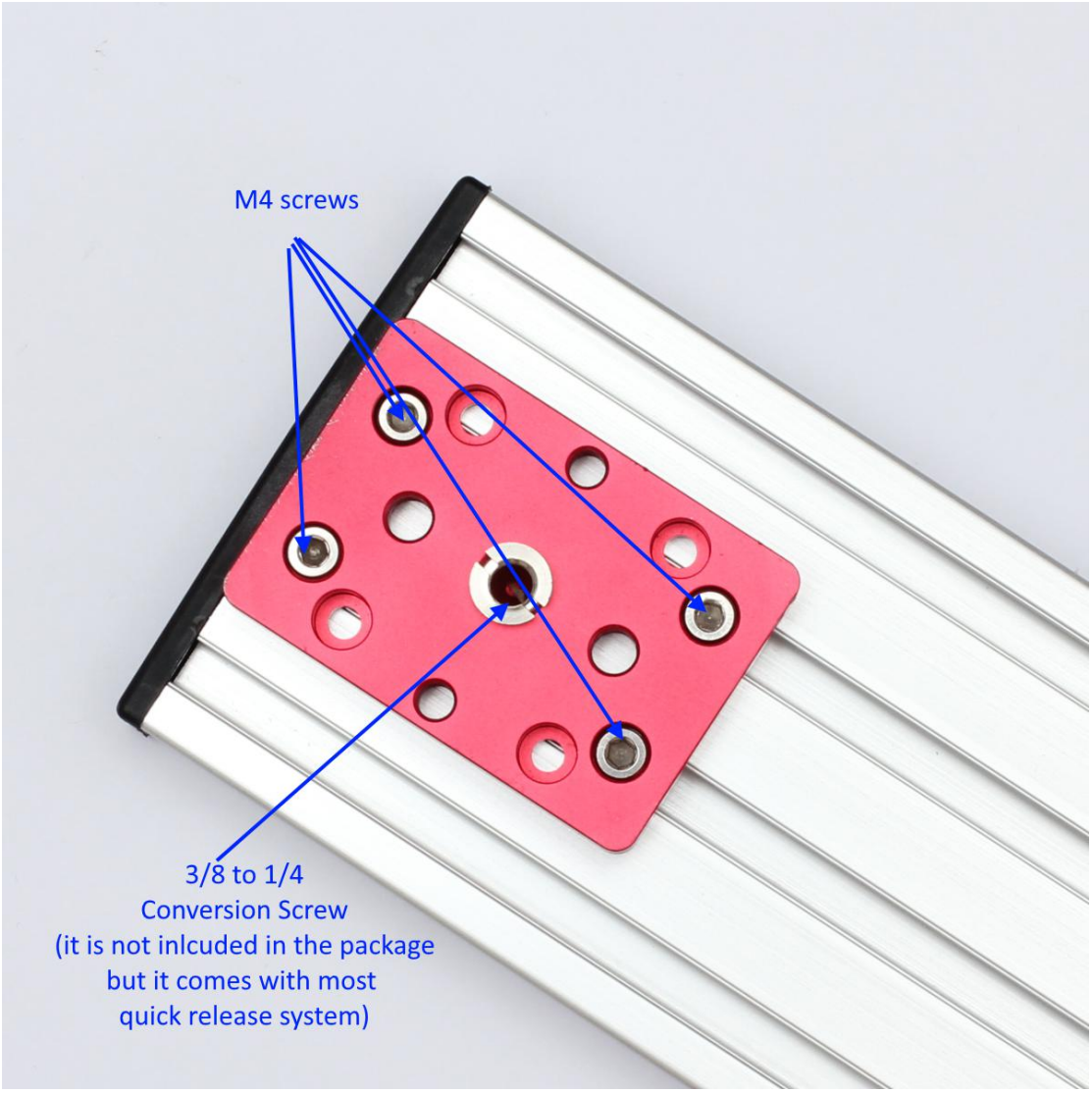

EOS
600D
SIRUI

Mounting on optional aluminum T-slot

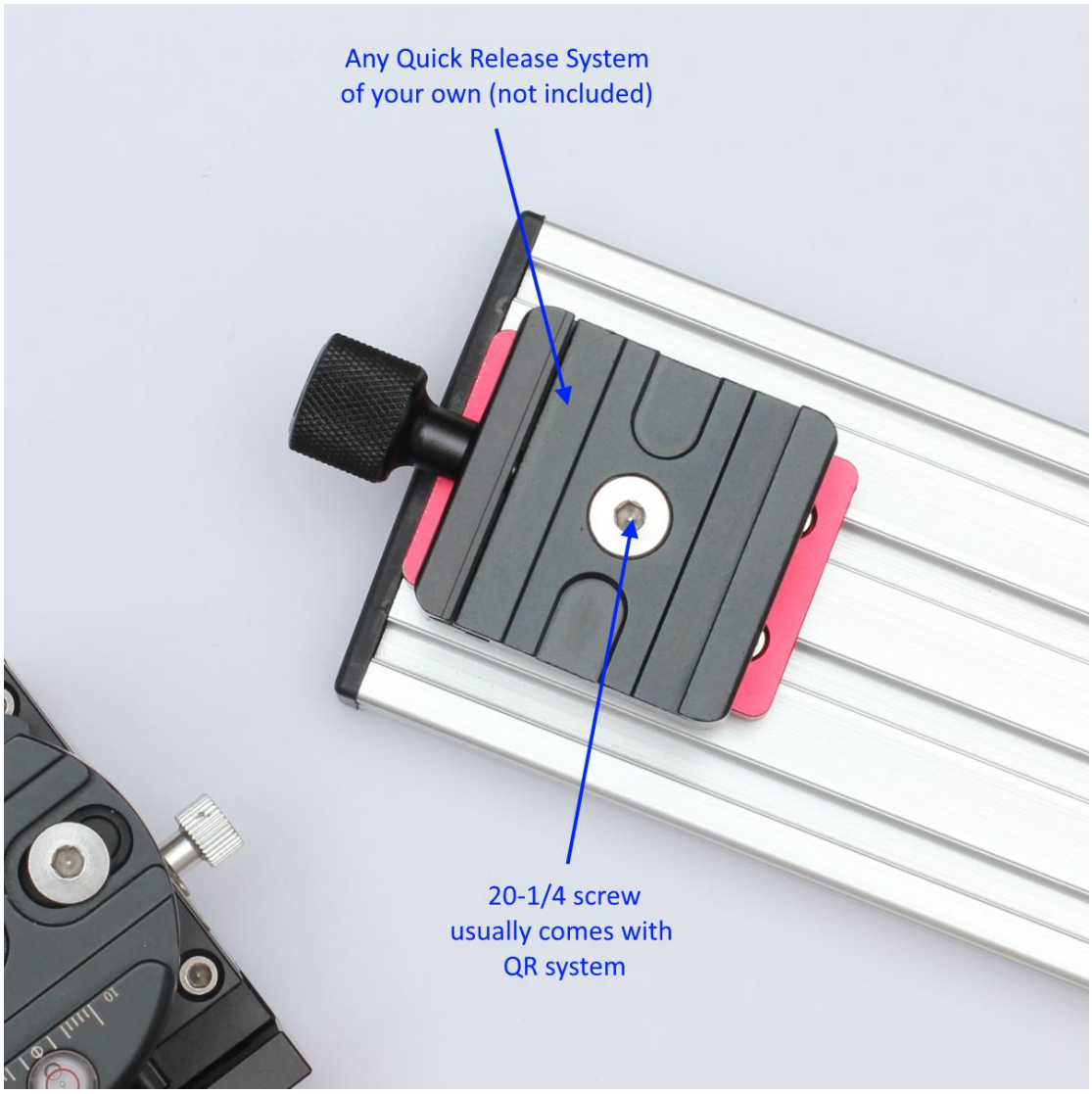
Find 4 T-slot screw nuts and slide them into the slots like below.



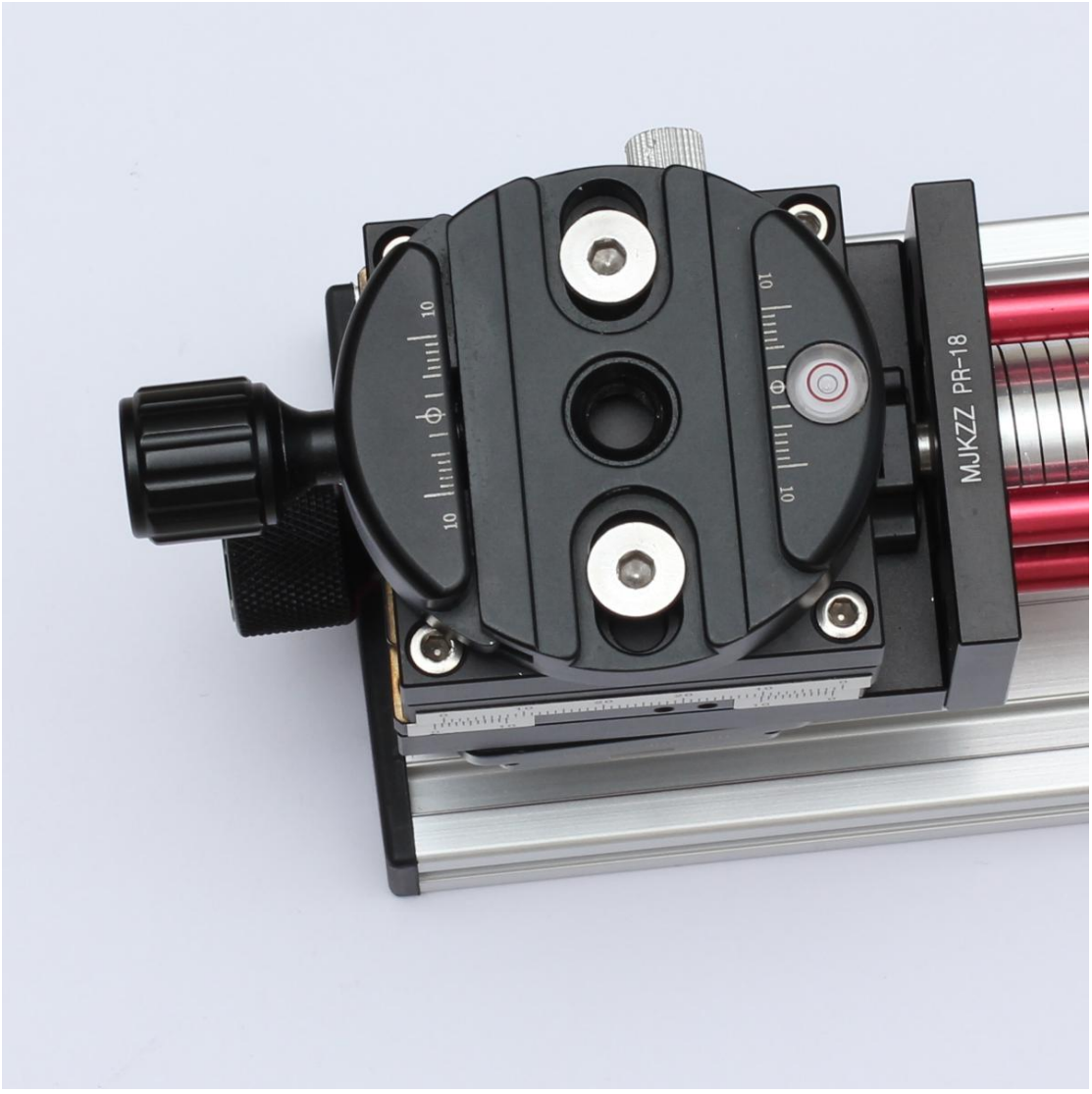
Use for M-4 screws to secure the red aluminum block onto the aluminum board like below, note, there is a 3/8 to 1/4 conversion screw, it is NOT included in the package, but it usually comes with quick release system.



Now, put your (not included) quick release system onto the red aluminum block like below:


Any Quick Release System
of your own (not included)
20-1/4 screw
usually comes with
QR system

Done!


MJKZZ PR-18