



# Micro Pro 2





4th Axis Stabilizer

## Quick-Start Guide

The Micro Pro 2 - 4th Axis is one heck of a full-featured and versatile filming rig that folds up into a tiny footprint ready for when you need it. And with an ever-growing set of powerful accessories, you'll find so many new ways to capture smooth footage!

We each move differently but if you follow this guide you'll be up and running with smooth footage within a few hours. Over time and with practice you'll develop the style, method, and settings that work best for the way you move to get the smoothest possible footage.

### Common Rig Arrangements

 <p>Inverted Mode</p>	 <p>Balanced Upright Mode</p>	 <p>Upright Mode</p>	 <p>Selfie Stick Mode</p>
<p>Easiest to Master and gives the smoothest footage</p>	<p>With the centre of gravity over the handle, this gives good smoothing</p>	<p>Quick to set up but front-heavy rig can be challenging</p>	<p>Can be tricky to master but the results can be great with 360 Cams etc.</p>

## 'Soft Hands'

It's quite easy to grip the handle a little too tight and angle it forward or backward. This firm grip can also cause some tilting to occur when you take each step. When you adjust to a new setting there's a couple of things you need to do to get the best smoothing results for that payload and damping settings. The first technique is to use what we call 'soft hands'. When you grip the handle in whatever orientation it's important that you hold the handle with a light touch while making sure the suspension arm maintains it's a level position.

This is easy in the inverted mode as the rig naturally balances on your hand so if you hold the handle lightly it will stay level.

Upright and Balanced Upright Modes are a little less forgiving but Balanced Upright Mode will be the next easiest to achieve 'soft hands' with.

## Stationary Bounce Practice

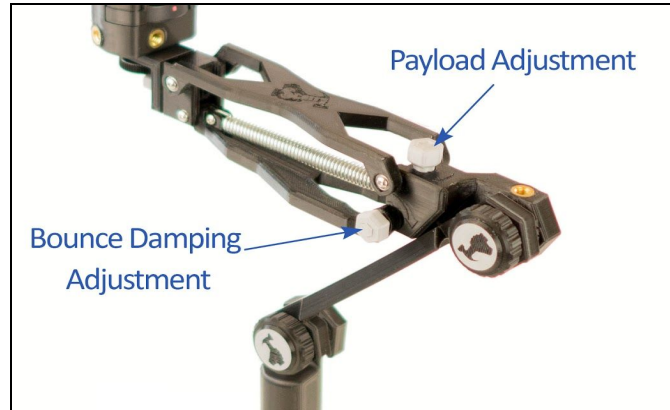
When you get a new rig mounted it's important to get your 'Soft Hands' working for that rig first. Stationary Bounce Practice is critical in achieving 'Soft Hands' and involves bouncing the handle up and down while keeping the camera as steady as possible.

With a bit of practice, you'll find this will become second nature and it will take seconds to get your hands balanced and tuned into your new rig.

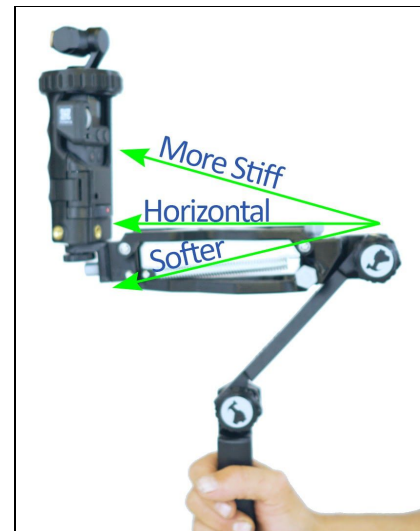


## Setup


- 1) Start by turning the payload adjuster so that your stabilizer's suspension arm sits roughly horizontal. There's no rule that this arm needs perfectly horizontal but it's a good place to start. At the bottom of the adjustment be careful not to loosen it past this firm stop or the M3 nylock nut could come undone.



**Note:** The Payload Adjuster is the primary way to balance your rig. As you get more skilled you can adjust the ride by adjusting the angle of the suspension arm. For a softer suspension, have the suspension arm pointing slightly down and likewise, if it's pointed up you'll get more stiff suspension for those occasions where lots of little sharp bounces are occurring such as when mounted to a vehicle. Just find what works best for you.



- 2) Adjust the damping adjuster knob by turning it clockwise until you meet firm resistance. This is 100% damping and only the hardest vertical motion will be absorbed.

 **Note:** Just as you wouldn't leave your expensive camera in a car on an extremely hot day, don't do likewise with your Micro Pro 2 - 4th Axis. Due to the payload spring being in permanent tension, temperatures exceeding 65°C (150°F) can cause permanent deformation!

- 3) To turn the bounce damping off to 0% damping you simply loosen the screw anticlockwise one full revolution. You'll see your rig will bounce more before stopping. Take note of how quickly the bounce takes to fully stop.
- 4) Take some test footage to see whether the bounce and vertical micro jitters are controlled. With this setting, the bounce damping will likely be poorly controlled.
- 5) Now adjust your damping knob clockwise one-quarter of a revolution and this will be 25% damping. Test and analyze the footage.
- 6) Now adjust your damping knob another quarter of a revolution and this will be 50% damping. Test and analyze the footage.
- 7) Now adjust your damping knob another quarter of a revolution and this will be 75% damping. Test and analyze the footage.
- 8) Finally, adjust your damping knob another quarter of a revolution. This will be 100% damping. This will have poor jitter control during normal walking but will be useful during intense motion.

Most people will find a setting between 25% and 75% will work best for general walking.

## Changing the Mount

The upgraded Micro Pro is now 'tool-less' with a locking cam to quickly invert the camera.

**NOTE:** Take care when inverting or changing the mount as the delicate thread can be damaged when sideloaded or over tightened.

*To fully master the Micro Pro 4th Axis stabilizer it's highly recommended to see the in-depth videos at*

<https://www.youtube.com/c/ScottyMakesStuff>

