



## Eve Motion Ball Joint Wall Mount



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### Summary

Wall mount for the Eve Motion that uses a pressure-fit ball joint to adjust direction once mounted.



1.44 hrs



1 pcs



0.30 mm



0.40 mm



PLA



51 g



Anycubic  
Kobra 2

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Tags: [mount](#) [wallmount](#) [motionsensor](#) [balljoint](#) [eve](#)  
[evemotion](#)

I designed this for the Eve Motion sensor. I wanted something that I could easily position once mounted. Since the sensor only mounts flat on the wall, it wouldn't cover the entire bathroom and miss motion. Being able to angle it freely would help me capture all motion.

### Assembly

Can take 4xM5 screws.

It's possible the fit is really tight depending on your printer. I'd err on the side of tighter printed tolerances so you can sand down the inner tabs to get the desired fit.

I also noticed that 24 hours after printing and the model cooled, the fit was a little looser. So, YMMV.

## Print settings

I went with 0.3mm on my Kobra 2 with Eryone White PLA. I haven't yet tested with other layer heights, so it's possible the fit changes. Leave a make with your settings if so!

You can also print the housing upright (QR code cutout on the print bed) to cut time by 20m, but I found the tension points for the backplate to be less uniform/precise this way.

## Model files



**eve-motion-balljoint-mount-holder-v1.stl**



**eve-motion-balljoint-mount-backplate-v1.stl**

## Print files



**eve-motion-balljoint-mount-v1-03-1h27m-1-29.gcode**

🌀 PLA 📏 0.40 mm 📏 0.30 mm ⌚ 1.44 hrs 📊 51 g

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