



# Universal Magnetic Mount for 10" Zhumell Dobsonian



Matamata

[VIEW IN BROWSER](#)

updated 7. 8. 2022 | published 7. 8. 2022

## Summary

Magnetic mount that uses four 10x3mm magnets.

[Learning](#) > [Physics & Astronomy](#)

Tags: [astronomy](#) [dobsonian](#) [telescope](#) [z10](#) [zhumell](#)  
[astrohopper](#)

I designed these mounts to attach an old cell phone to my telescope. With the Astrohopper app installed on the phone it is capable of "push-to" functionality. The magnets do affect the magnetic compass but it still works great. I used double sided tape to affix the mounts to a 3d printed cell phone case.

Stack magnets two high for a total thickness of 6mm and press them into the holes. It will be a very tight fit and don't press them in too far or they won't make contact with the telescope. You want the magnets to protrude 1mm or so above the surface of the mounts. If you have trouble with the mounts sliding down, you can use a piece of tape over them to make them less slick.

The extra wide design helps align them to the telescope tube.

The Astrohopper app works awesome and I can't recommend it enough!

Learn more here:

<https://artyom-beilis.github.io/manual.html>

## Model files



3i2hrqr3kfk-4.stl

## License

This work is licensed under a  
[Creative Commons \(4.0 International License\)](#)



**Attribution-NonCommercial**

- 
- ✗ | Sharing without ATTRIBUTION
  - ✓ | Remix Culture allowed
  - ✗ | Commercial Use
  - ✗ | Free Cultural Works
  - ✗ | Meets Open Definition