



## CD Shelf Modular



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### Summary

>TG Import< Original link: <https://www.thingiverse.com/thing:5399082>

[Gadgets](#) > [Audio](#)

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A friend of mine needed something to Place his music CDs so I made him a modular shelf.

The shelf is composed of the CD\_Stand model that can hold 1 CD case (14.2cm by 12.5cm by 1cm thickness).

The Shelf\_Frame and Shelf\_Frame\_Opposite are to be printed laid down on the flat side on the print bead.

The Mid\_Bar is made to connect the 2 frames via the middle hole.

In order to connect the components I got 10mm(diameter) by 2mm(thickness) magnets that are to be placed in the holes of the stand and the down hole of the frames, the top hole of the frames uses a washer in order to minimize waste of magnets. the magnets are secured in place with a bit of glue, as well as the washers and of course the mid bad between the frames in order to give the section more rigidity.

It was made in order for more sections of shelves to be added, each shelf section can hold 5 CDs with 1 extra from the base.

## **Print Settings**

### **Printer Brand:**

Creality

### **Printer:**

Ender 3 Pro

### **Rafts:**

No

### **Supports:**

Yes

### **Resolution:**

0.2

### **Infill:**

20-25%

**Filament:** Ender PLA Black

### **Notes:**

Supports are needed for the stand , I did 80degree supports and it came out alright.

For printing this I tried CHEP's new fast print profile with a bit of modification (resolution 0.2 from 0.28)

Depending on support settings it may be a bit of a hassle to remove, a bit of sanding out be beneficial after that.

Category: Audio

# Model files



shelf\_frame\_opposite.stl



mid\_bar.stl



cd\_stand.stl



shelf\_frame.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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