A close-up of a computer

AI-generated content may be incorrect.

A blue fidget spinner on a marbled surface

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Triplex

A screen shot of a computer

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3) Change the fill density to 50% and the fill pattern to Gyroid (see red box in Figure 2). A screenshot of a computer

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Figure 2

4) Go back to the “Plater” tab in the top left corner of PrusaSlicer. Then click the “Print settings” drop-down menu and select the 0.20mm Structural option (see red arrow in Figure 3). a. Note: The titles of each print setting option will vary slightly between printer models, so there may not be an option matching this wording exactly – that’s ok! What’s important is that you select one of the 0.20mm options.

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Figure 3

5) Open the Filament drop-down menu (see blue arrow in Figure 3) and select the filament type you want to print in. a. Note: The recommended material for this device is PLA, but PETG is also acceptable.

7) Open the Printer drop-down menu (see green arrow in Figure 3) and select your printer make and model. a. Note: If you don’t see your specific printer in the drop-down menu, follow these instructions to add them: https://help.prusa3d.com/article/configuration wizard\_1754 .

8) Click the “Slice now” button in the bottom right corner of PrusaSlicer and wait for the software to finish slicing the file.

9) Once the slicing is finished, click “Export G-code” (see Figure 4) and save the G-code to a flash drive.

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Figure 4

10) Insert the flash drive into your 3D printer, select the G-code and print!

**SOLDERING**

1. No soldering is required for this device.

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1. Add 4 22x8x7 mm bearings to the triplex

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