



Fracas Flinger (Fart Gun)



Ledskof

[VIEW IN BROWSER](#)

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Summary

This is a tool to generate sounds. It uses an Adafruit sound board with a 2W amplifier built in.



36.03 hrs



9 pcs



0.20 mm



0.40 mm



PLA



352 g



Prusa
MK3/S/S+

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This is a tool to generate sounds. It uses an Adafruit sound board with a 2W amplifier built in. The speaker is placed in a funny cone shaped "barrel". The unit is activated using a trigger, sort of like a pistol. You can load whatever sounds you want via the same micro USB port you charge it with. I left enough room for a small 500mAh battery in the grip.

How about cat or dog sounds to confuse your pets? Of course, fart noises are always funny. The possibilities are endless!

Print instructions

I basically print everything in PETG but have provided PLA based GCODE files using the normal print settings I use. I also provided a version of the frame which includes molded in corner brims in case you want to produce that in ABS or something that has a difficult time not warping.

You'll need to include supports on a few of the parts or experiment with changing orientations. I considered printing the barrel mounts vertically but never did. That could cut down on supports needed considerably, but I haven't tried it. The speaker cradle and barrel have curved overhangs so you'll need to support those for sure or just cut out the straggling bits, I suppose.

I used M3 and M2.5 socket head screws throughout. There aren't many. To be perfectly honest, this was a quick job, but people seemed to like it pretty well, so I wanted to share it. I have a slightly older version over on Thingiverse, simply called "Fart Gun". It's the only one that is intended to be printed and make noise.

The stuff I used to make this toy are:

Audio FX Board 2x2W: <https://www.adafruit.com/product/2210>

Lithium Ion Battery: <https://www.adafruit.com/product/1578>

Lilon/LiPoly Backpack: <https://www.adafruit.com/product/2124>

Speaker: <https://www.adafruit.com/product/3968>

There are two types of switches needed. I bought mine in multipacks on Amazon:

The on/off switch:

<https://smile.amazon.com/gp/product/B075RC6TFB>

The trigger switch:

<https://smile.amazon.com/gp/product/B07KX24WWS>

Model files



speaker-cradle.stl



lower-trigger-block.stl



ring_bottom.stl



ring_top.stl



rightbarrelmount.stl



trigger.stl



toupee-left.stl



upper-trigger-block.stl



b-frame-cover-wcr.stl



b-frame-cover.stl



b-frame-wcr.stl



spring-pin.stl



b-frame.stl



barrell.stl



toupee-right.stl



leftbarrelmount.stl



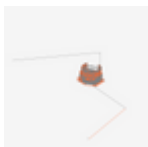
grip.stl

Print files



toupee_02mm_pla_mk3s_2h24m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.40 hrs ⚖️ 31 g 🖨️ Prusa MK3/S/S+



speaker-cradle_02mm_pla_mk3s_1h19m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 1.32 hrs ⚖️ 9 g 🖨️ Prusa MK3/S/S+



ring_top_02mm_pla_mk3s_1h53m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 1.88 hrs ⚖️ 17 g 🖨️ Prusa MK3/S/S+



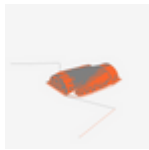
ring_bottom_02mm_pla_mk3s_3h23m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 3.38 hrs ⚖️ 32 g 🖨️ Prusa MK3/S/S+



frame_02mm_pla_mk3s_5h52m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 5.87 hrs ⚖️ 68 g 🖨️ Prusa MK3/S/S+



barrelmount_02mm_pla_mk3s_5h47m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 5.78 hrs ⚖️ 57 g 🖨️ Prusa MK3/S/S+



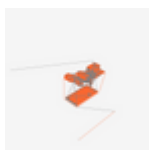
grip_02mm_pla_mk3s_4h4m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 4.06 hrs ⚖️ 38 g 🖨️ Prusa MK3/S/S+



barrell_02mm_pla_mk3s_9h17m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 9.28 hrs ⚖️ 77 g 🖨️ Prusa MK3/S/S+



trigger-block_02mm_pla_mk3s_2h0m.gcode

🌀 PLA 🌀 0.40 mm 📏 0.20 mm ⌚ 2.06 hrs ⚖️ 23 g 🖨️ Prusa MK3/S/S+

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