

Altoids Mini Guitar Amp

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A guitar headphone amp for my cousin's birthday, so he can practice while his parents can stay sane.

Before:

After:

The amp all fits in an altoid tin, which has holes drilled in it for a volume knob, on/off switch, on light, headphone jack, and 1/4" guitar jack.

The amp is powered off of a 9V battery, and is based around the LM386 chip amplifier. An unbelievably bright blue LED turns on with the amp, so it doubles as a small flashlight or blinding device.

The inside of the altoids tin:

The schematic for the amp is here:

And the board layout is here: