



1lb Antweight Combat Robot



JStory987

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Summary

1lb, 3D printed, antweight, combat robot.

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Tags: [combatrobot](#) [antweight](#) [battlebot](#) [1lb](#)

I've used this 1lb, 3D printed, Antweight combat robot for the last year or so at local events. At our events, in the 3D printed class, all external parts, including the weapon, must be printed out of PLA, PLA+, PETG, TPU, ABS, or ASA. So this is designed within those constraints. If you use this at an event that allows TPU, print the armor out of that, otherwise, print it out of something allowed by the rules.

In addition to the printed parts, you will need the following components and electronics:

5010 brushless motor

Brushless ECS of at least 30 amps

38mm diameter wheels that are approximately 10mm wide, if you use the included hub, the diameter of the hub is 25.4mm

Brushed speed controller

2 N20 DC gearmotors

Receiver

2s or 3s Lipo battery, recommend 3s

Power switch of some kind

Model files



top-plate.3mf



bottom-plate.3mf



center-body-top.3mf



center-body-bottom.3mf



armor.3mf



weapon.3mf



wheel-hub.3mf

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