

## Battery holder for AA+AAA for multiboard



ORM

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### Summary

A space saving battery dispenser for AA and AAA batteries for mounting on the multiboard.

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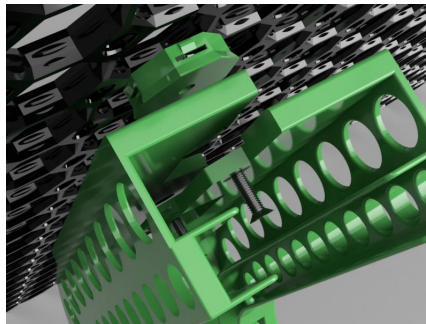
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This space saving battery dispenser for the multiboard is designed to hold both AA and AAA batteries, 12 AA and 13 AAA. A pattern on the sides of the magazine makes it easy to see how many batteries are left. A drawback of this design is that batteries can fall between the rails when inserted. To reduce the risk of batteries falling out during loading, the rear wall follows the curve of the magazine. However, you still need to be careful when loading.

## Installation

The battery dispenser is mounted to the multiboard using a customised snap and screwed into the snap using a M3 screw. This ensures that the mounting is strong and secure. To assemble the battery dispenser, place the right and left wings together and overlap them, then insert the screws through the screw holes and screw them into the snaps. I have modified the original snap by removing the top of the snap to allow the battery dispenser to sit flush with the multiboard.

I made two different versions of the snaps to which the battery dispenser is attached. One is threaded for an M3 screw and the other is for a M3 nut. I personally prefer the threaded one. There are also two different versions of the battery dispenser, one with countersunk holes and the other with flat holes, which you use depends on the type of screws you use. The screws that fit should be about 12-14mm long.



## Printing and print settings

In the model files, the parts are oriented in the best direction for printing. For best results, print the battery dispenser with the outsides down and the snaps flat on the front.

For the battery dispenser use e.g. PLA for printing with a layer height of 0.2mm and a nozzle width of 0.4mm or less. A wall thickness of at least 3 lines and an infill of 25%. A support structure is recommended for the screw holes.

The snap with the M3 thread must be printed with a layer height of 0.12mm in order for the thread to be usable. The inserts for a M3 nut can be printed with a layer height of 0.2mm. Other settings can be: PLA for printing with a nozzle width of 0.4 mm or less. A wall thickness of at least 3 lines and a fill of 25%. A support structure is recommended.

Feedback is always good. To encourage me or other designers to make more models, please hit like and/or post your makes. If something doesn't work or is missing and can be improved, please leave a comment.

## This remix is based on



**Multiboard Snap - 3D model by Keep Making on Thangs**

by Keep%20Making



**Battery holder for AA+AAA, Skadis mounting**

by ORM

## Model files



**Battery dispenser with countersunk hole**

3 files



**aa-aaa-multiboard-countersunk-holes.3mf**



**aa-multiboard-countersunk-holes.3mf**



**aaa-multiboard-countersunk-holes.3mf**



**Battery dispenser with flat hole**

3 files



**aa-aaa-multiboard-flat-holes.3mf**



**aa-multiboard-flat-holes.3mf**



**aaa-multiboard-flat-holes.3mf**



**Snaps**

2 files



**snap-stump-m3-threaded.3mf**



**snap-stump-m3-nut.3mf**

**battery-holder-m-multiboard-v1.f3d**

**stump-snap-m3-v1.f3d**

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