



Table War - Board Game



peaklin

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Summary

Table Top Game with Arduino ! Table War is an explosive Board Game. The one with the last Tank wins the Battle.

[Toys & Games](#) > [Boards Games](#)

Tags: [arduino](#) [arduino nano](#) [boardgame](#) [game](#) [tabletop](#)

The Origin of this Project lies back in May 2021. I wanted to design a dynamite clock to entry the competition of Timekeepers but Pieter was faster. Then I started to design a grenade with a random countdown. I just didn't want to make a normal clock but a game instead. Unfortunately, I ran out of time and I couldn't finish it. Finally, the Tabletop Games and Puzzles contest launched and I become excited again. I finished the grenade and thought about other elements of a board game. In the end, the Idea of "table war" was born. That's why I love to taking part in a designing competition! It push my creativity, gives my motivation to finish a project...and makes me crazy, because time is always short!

In the designing process, I wanted to focus on following things:

- no soldering (grove connections; self-made battery case)
- no screws (printed clips and threads only)
- just plug and play (as less glue and support as possible)

I also wanted to use an Arduino and some components. It's my first Arduino project. I had no programming skills at all. Be aware: If you start using this stuff you'll get addicted for sure:-)

You need some electric parts:

[Arduino Nano Board \(A000005\)](#)

- [Grove Shield für Arduino Nano, Seeed Studio \(103100124\)](#)
- [Grove Button \(P\), Seeed Studio \(111020000\)](#)
- [Grove Buzzer, Seeed Studio \(107020000\)](#)
- [Grove Vibration Motor, Seeed Studio \(105020003\)](#)
- [Grove 4-Digit Display, Seeed Studio \(104030003\)](#)
- [Grove 4-Pin Cable 20cm Set \(110990027\)](#)
- [Grove 4-Pin Cable 5cm Set \(110990036\)](#)

You need also some other parts:

three AA-Batteries (Mignon)

- a rubber band (you can also print one in soft TPU)
- a side cutter
- two dice
- USB cable

You need to download Arduino IDE and TM1637 Library:

[Arduino IDE \(Version 1.8.15\)](#)

- [TM1637 Library](#)

Special thanks goes to [djwhouse](#) from Grayslake, United States! He has adjusted the errors and gaps in the code. In addition, he has also put a very good new idea into the code.

Upgrade:

new battery cover (2x AA-Battery)

- small board (for Prusa Mini)

If you like my work and want to support me, I am happy about any donation :-)

- [PayPalMe](#)
- [BuyMeACoffee](#)

Model files



update

4 files



battery-spring_new.stl



battery-cover_pt-2_new.stl



grenade-battery-inner-cover_new.stl



board-small.stl



board

14 files



plattform-stand.stl



battle-square.stl



bunker-square.stl



board-clip.stl



tank.stl



square-set-1.stl



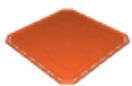
airdrop-square.stl



board.stl



minefield-square.stl



plattform.stl



normal-square.stl



plattform-stand-thick.stl



pioneer-square.stl

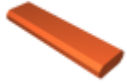


square-set-2.stl



grenade

19 files



grenade-rubber-bolt.stl



grenade-battery-clip.stl



grenade-cover-clip.stl



grenade-head-left-with-support.stl



grenade-head-right-with-support.stl



grenade-head-clip.stl



grenade-ring-clip.stl



grenade-cover.stl



grenade-inner-plate.stl



grenade-battery-inner-cover.stl



grenade-head-left-no-support.stl



grenade-clamp.stl



battery-cover_pt-1.stl



battery-cover_pt-2.stl



grenade-head-bolt.stl



grenade-safety-pin.stl



grenade-head-right-no-support.stl



grenade-body.stl



grenate-ring.stl



battery-cover_pt-2_new.stl

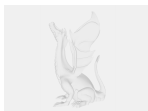


grenade-battery-inner-cover_new.stl



battery-spring_new.stl

Other files



grenade_new.ino



manual.pdf



table-war-upgrade.pdf

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