



motorized Turn Table



Big Babol

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updated 21. 3. 2024 | published 21. 3. 2024

Summary

Here is my creation of a turn table with adjustable speed and turning direction

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Here is my creation of a turn table with adjustable speed.
I've made it to look nice, since you wanna use it to show off stuff!

Overall, the used components are only standard stuff, easy to find (see BOM).

I've also added a testing gear, so you can figure out the fitting on the ball bearing and eventually scale the top table for printing.

It uses either an Adafruit Trinket or an Arduino Nano, the sketch is also included.

I've wired it up by soldering the wires on to the pins but you could also use jumper cables, I believe.

You only need to solder the header pins on to the Trinket and the wires onto the potentiometer.

Oh, and I recommend removing the LEDs on the driver board and cover the red LED on the Trinket/ Nano.

Have fun building!

changes:

2024/01/07 - added a file version for use with a Arduino Nano

2024/01/06 - edited the sketch so by turning the knob you can not only control the speed but also the turning direction

Model files



drehteller_basis_trinket.stl



drehteller_basis_nano.stl



drehteller_teller.stl



drehteller_teller_test.stl



drehteller_zahnrad.stl

Other files

turntable_control_v20.ino

turn_table_bom.pdf

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