

Activity

DIY Turntable



In this activity, you will learn how to make a small DIY turntable, whose speed and direction can be controlled using evive's slide switch and potentiometer.

COMPONENTS

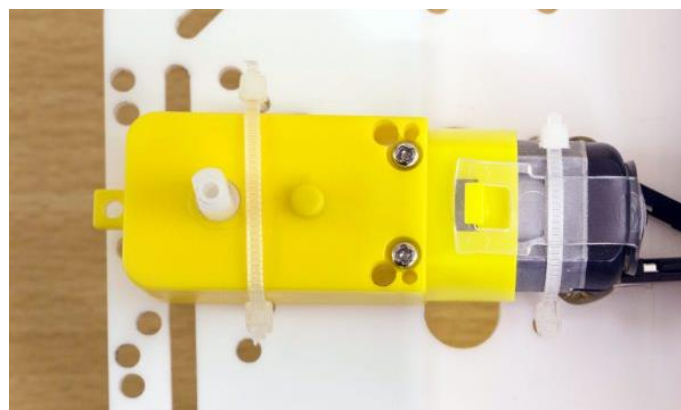
evive (with battery charged), 1 x DC Motor, Acrylic Base Plate, 1 x BO Motor, Thick Cardboard, Glue Gun & Glue Stick, 4 x M3 standoff of 30mm length, 4 x M3 bolt of 8mm length, Cable Ties, Scissor

STEP-BY-STEP

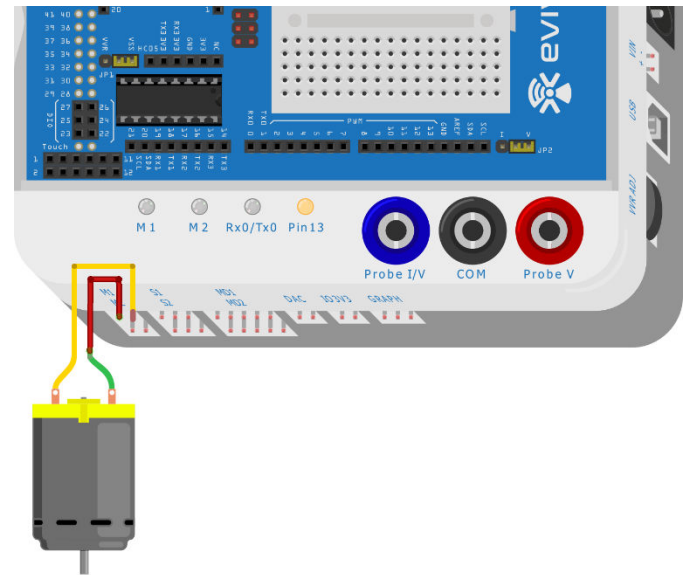
1. Take the wheel and stick it in the center of the circle cut from the cardboard using removable glue.



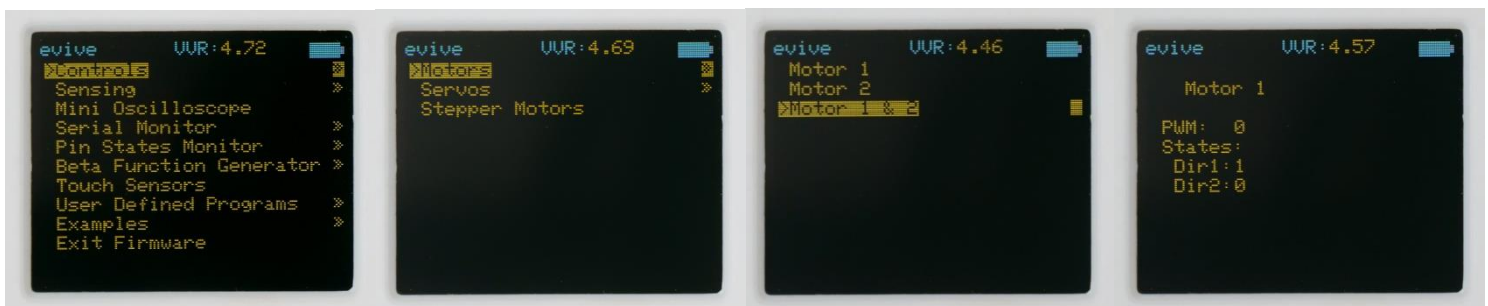
2. Place the DC motor on top of the chassis, near its end, and fasten it using the cable tie. Make sure that the shaft one side goes through one of the holes on the chassis.



3. Take the wheel and cardboard assembly and fix it on top of the motor by inserting the shaft into the wheel. Attach the standoff on the chassis using M3 bolt of 8 mm length.
4. Take a piece of paper and cut into circular shape. Fix it on the cardboard using binding clips.



5. Insert the motor wires in the first motor channel, i.e. M1.
6. Power ON evive. A menu will open. If not, centre press on navigation key to bring the menu. Navigate to Controls > Motors > Motor 1.



7. Control the speed using potentiometer and direction using slide switch.

