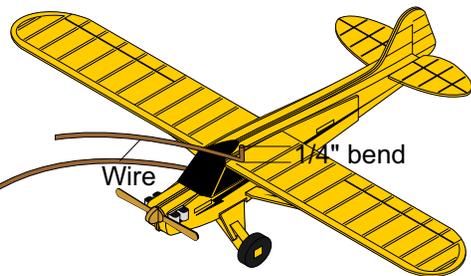
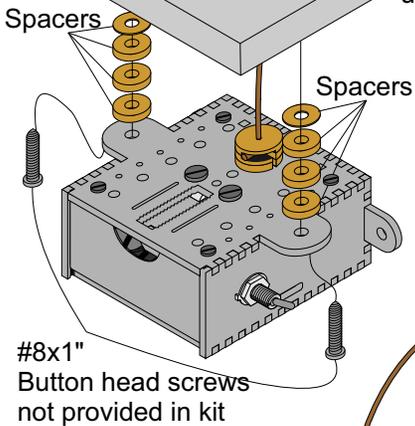
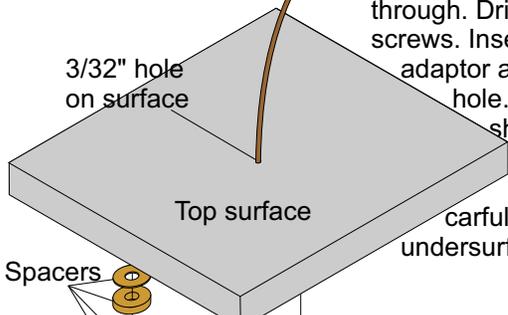
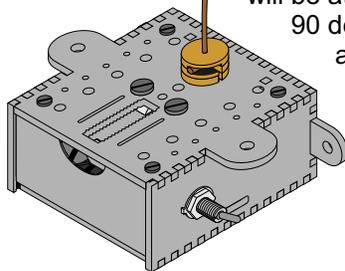


### Mounting under surface

Peel and the stick templet onto the underside of where you would like to mount your box. Drill a 3/32 hole all the way to the surface to allow wire through. Drill two 1/8" holes for the mounting screws. Insert the top of the 1/16 rod with the adaptor attached to the bottom through the hole. Place the adaptor onto the output shaft. Mount the Multibox to the bottom using the spacers provided and some #8x1" screws (not provided in kit). Be careful not to pinch the adaptor between the undersurface and the box.



To mount aircraft, drill a 1/16 hole into the bottom of the fuselage about a 1/4" deep for HO scale and 1/8" for N scale. The best point for the hole will be at the centre of the aircraft. Make a 90 degree bend into the top end of the wire about 1/4" long. Place aircraft onto the wire. If the box is not mounted you may need to add some weight so that it doesn't tip over.



### Package contents

#### Wood pieces:

- Sheet A
- Sheet B
- Sheet C
- Front side
- Turntable top
- Turntable gear
- Drive gear

#### Drive components / hardware:

- Moter/gearbox assembly
- Battery holder
- Switch + hardware
- #6x32x1/2" machine screws x2
- #4x3/8" wood screws
- Axle pin
- Templet

# Multibox

## Turtable and Aircraft Spinner



5" table  
Turns at 4rpm

Aircraft Spinner

A two in one kit that allows you to use the unit as a turntable to display models or a spinner to display aircraft flying

#### Tools required:

- Soldering iron and solder, utility knife, wood glue,
- # 2 phillips screwdriver, 5/16" wrench

#### Requires:

- 2 #8x1" button head screws for mounting
- 1/16" brass wire for spinner
- 1 AA battery to operate

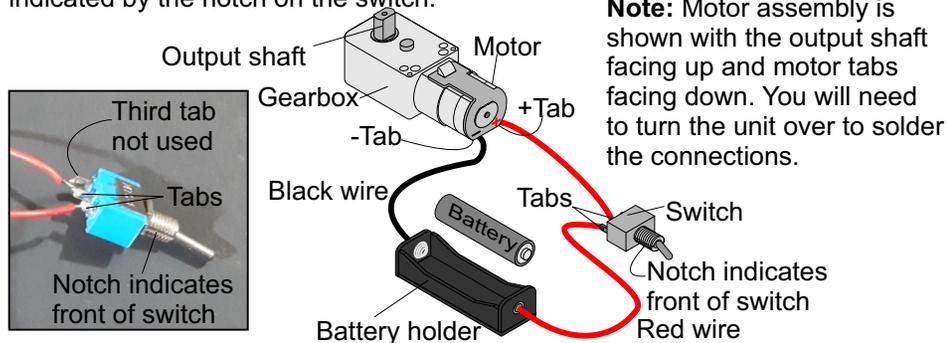


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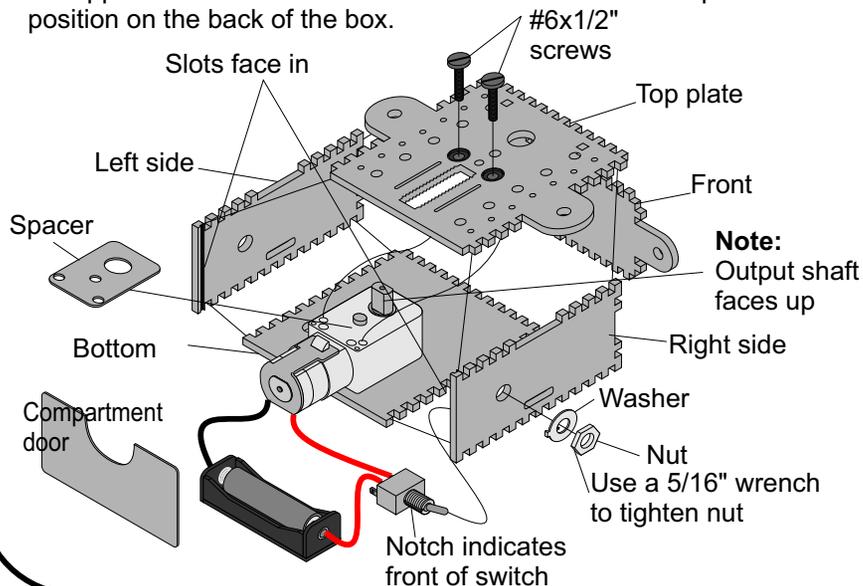
### Step 1

Solder the end of the black battery holder wire to the negative terminal on the motor. Cut half the length of the red wire off the battery holder. Solder one end of the cut wire to the positive motor tab and the other to center tab on the switch. The remaining red wire on the end of the battery holder is soldered to front tab indicated by the notch on the switch.



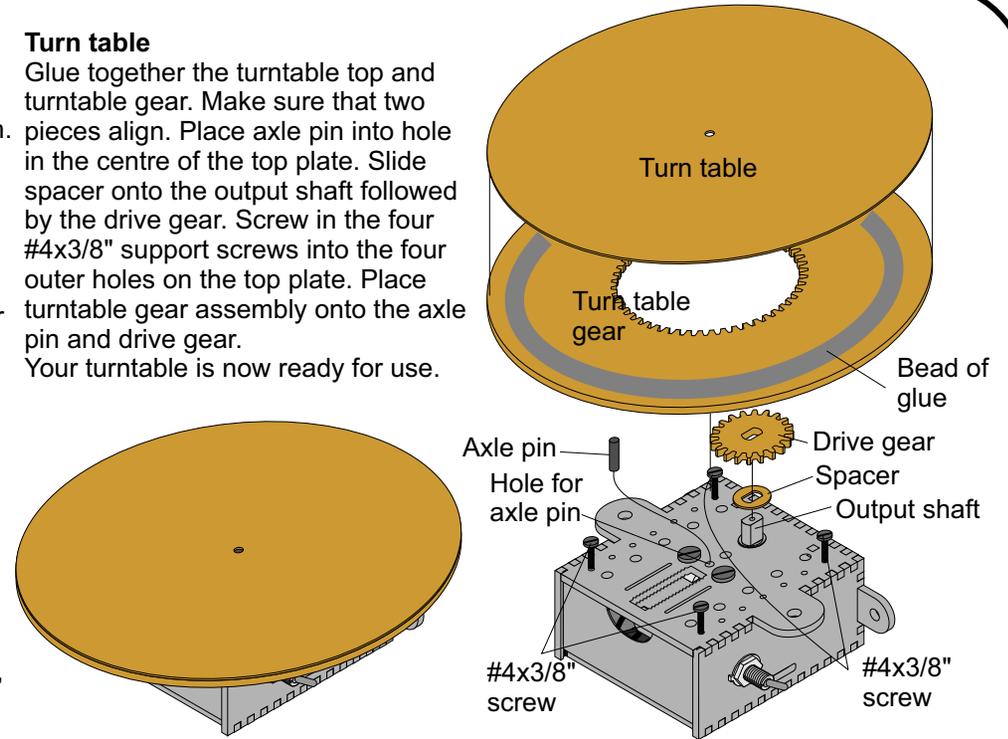
### Step 2

Place spacer on surface of the gear case then mount the motor assembly to the top plate using the two #6x1/2" screws. Using a spritzer bottle or a moist paper towel, dampen all contact surfaces of the wooden pieces with water. This allows for a solid bond. We suggest using the white glue called **Weldbond**, all though any white glue will be fine. Run a bead of glue along contact points of all the wood pieces starting with the box bottom. Glue left and right sides to bottom (**make sure slots face in**) then the front side. Glue top plate with motor attached to the top of the box. Use an elastic band or masking tape to hold pieces together well glue sets. Insert the switch threaded end through one of the holes on either side of the box. Place the washer on and thread on the nut. Tuck the battery holder along the opposite side where the switch is mounted. Slide compartment door into position on the back of the box.



### Turn table

Glue together the turntable top and turntable gear. Make sure that two pieces align. Place axle pin into hole in the centre of the top plate. Slide spacer onto the output shaft followed by the drive gear. Screw in the four #4x3/8" support screws into the four outer holes on the top plate. Place turntable gear assembly onto the axle pin and drive gear. Your turntable is now ready for use.



### Spinner

The following steps show how to make your Multi Box into a aircraft spinner or turntable.

