



Spherical rotating LED instruction

Firstly I wish all users can make this LED successfully and learn the related knowledge, make learning value beyond the product. If you have any questions about this instruction, please feel free to contact us through wangwang online, thanks for your great support!

1. The soldering of the front PCBA(for the convenience, please finish solder the front and back of the PCBA first before soldering the side):

Solder the infrared part as the picture show.

the short leg of the 470uf plug-in capacitance solder to the shadow side.

the component which marked 'S4' solder the side which have grind

the component which marked '5V1' in the label solder the blue side to the negative(left).

Solder the battery according to the picture and label.

Lock the pillars by screws from the back of the PCBA.

Insert the short legs of the aligned pins to the PCBA and solder.

Fix the plastic part which in the back of PCBA.

About the component which no instruction, please solder according to the picture and label.

The chips dot should be the same direction as the label u-shape, like the red circle showing.

**Blow value capacitances are no need to differentiate the positive and negative:
104P、10UF、20P、39nf**

**Blow value resistances are no need to differentiate the positive and negative:
10K(label:103)
1.5K(label:152)**

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2. The soldering of the back and side:

The long leg of the infrared part soldered to the negative.

The clock oscillator no positive and negative.

Before Fix the side part to the main board, you should solder the LED first.

The method of soldering the side LEDs: Reverse the LED to desk, then hold the side part to solder the LED.

The side part label 'VCC' links to the main board label 'VCC'.

screw locking the pillar.

The label side is the positive of the LEDs.

The left side in the view is the positive of the LEDs.

The green side of the LED is negative.

Secondary coil no positive and negative, the thru must be no paint(scrape off using knife if have).

Fix the coil to PCBA by using a little melt adhesive, or will infect the balance when rotating.

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3. The soldering of the power module:

Blow value capacitances are no need to differentiate the positive and negative:

104P、1nf、39nf

Coil cross the acrylic, then link to the red and black lines.

The long leg is positive and links to the red line.

Directly shortcircuit.

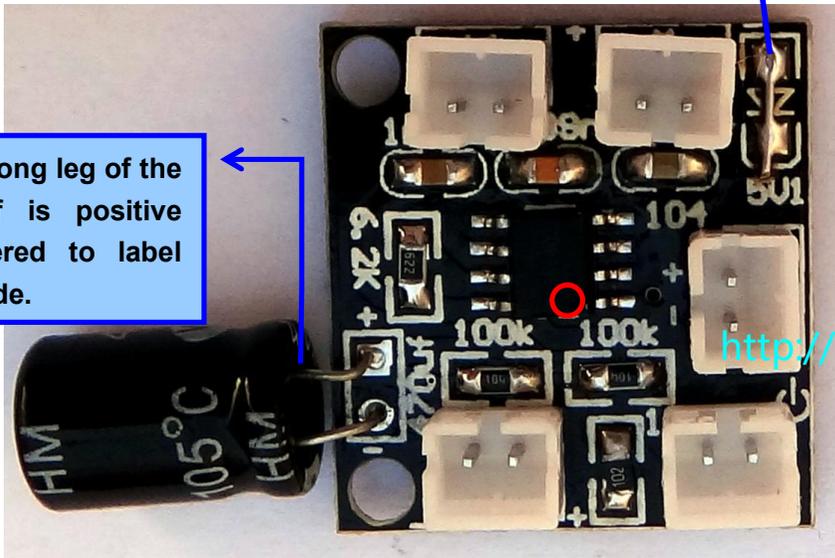
Red line links to the motor leg which have a red dot.

Red line links to the back leg of the power connector and black line links to the middle.(5V DC)

Switch no the positive and negative.

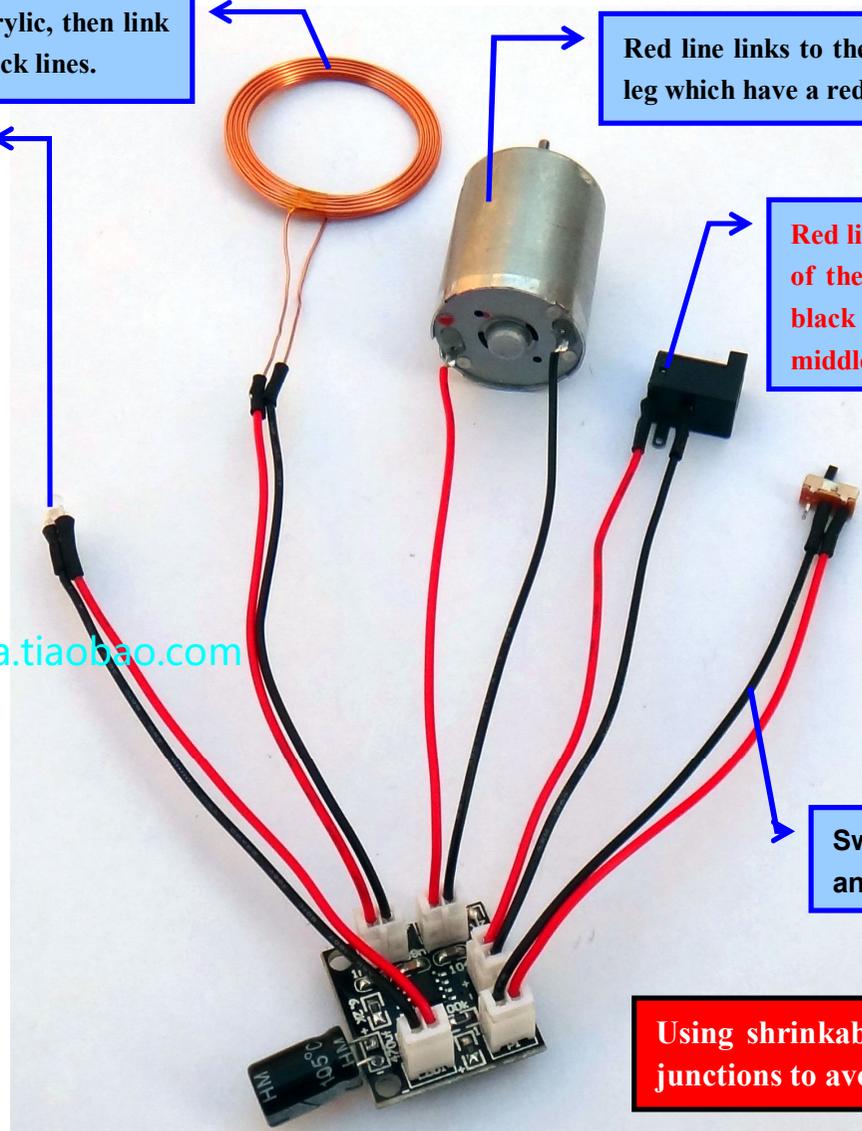
Using shrinkable tube to hitch the junctions to avoid short circuit.

The long leg of the 470uf is positive soldered to label '+' side.



Blow value resistances are no need to differentiate the positive and negative:

100K(label:104)
1K(label:102)
6.2K(label:622)

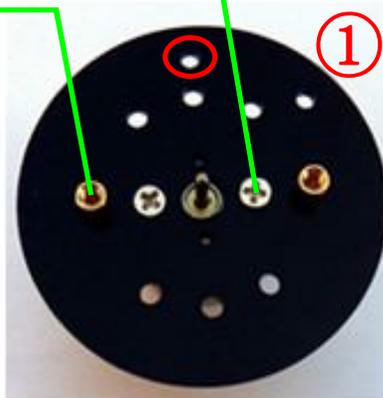




4. Assemble (before using the 3 acrylics, please take the protecting film away):

Lock the motor here.

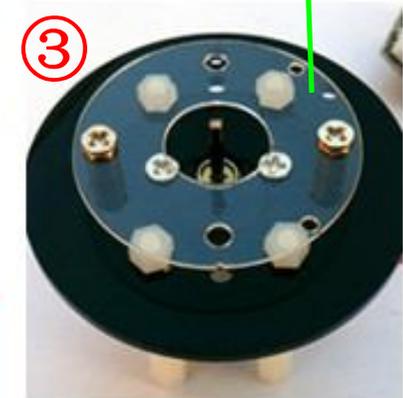
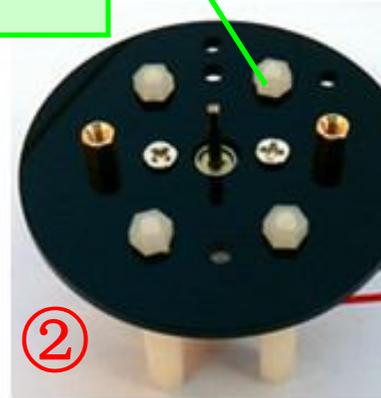
Lock the pillars using screws from the back.



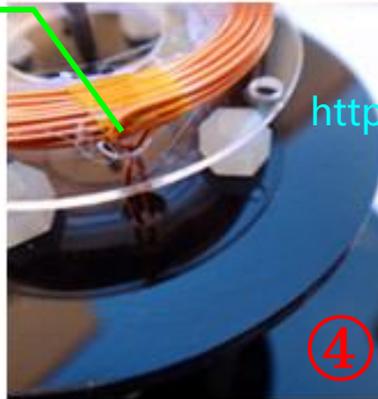
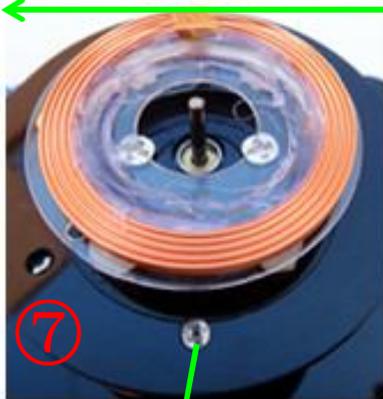
Use nut to lock the pillar from the back.



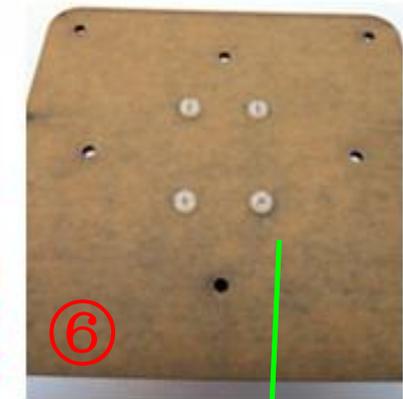
Fix the acrylic to the pillar using screws, but not overexertion to avoid broken due to the thin acrylic.



Thrum cross the hole, then fix the primary coil to the acrylic by melt adhesive.



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Infrared cross the hole from the back (like step ①, the red circle place).

Coil cross the acrylic, then link to the red and black lines.

Using screws to fix Square acrylic to the circular acrylic's pillars.



5. The picture of the product after finished:

