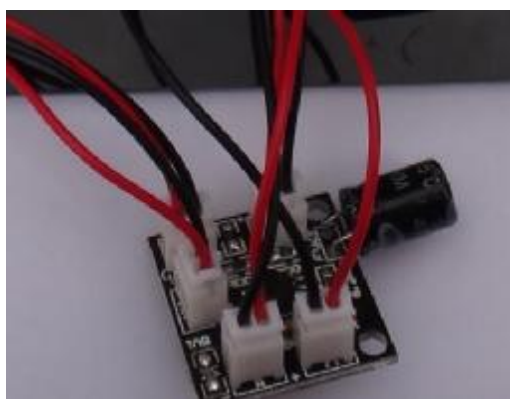




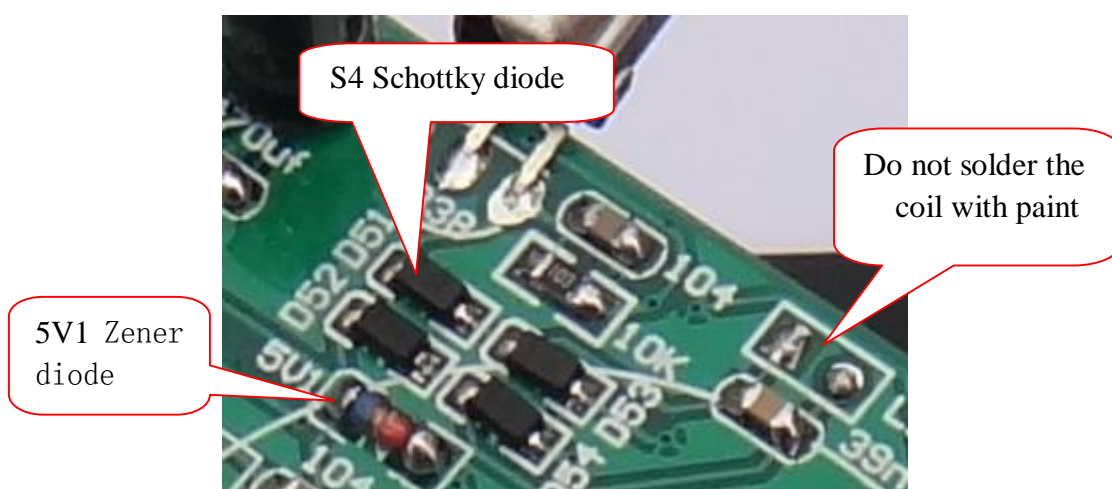
Dual spindle spherical LED debug instruction

1. After finished, then power on and motor start working, but LEDs no response.

- ①. Check the components on the power supply board and electropolar whether is same as the instruction.
- ②. Make sure no rosin joints.
- ③. Check the power supply board's conector.



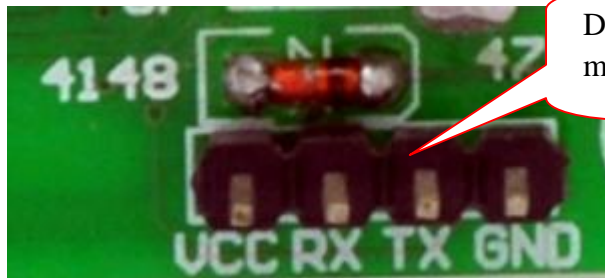
- ④. Check the 'S4' Schottky diode's position and direction whether is right.
- ⑤. Check the coils soldering.
- ⑥. Check the 5V1 zener diode whether the voltage is about 5V.





2. Cannot download program:

①. soldered mcu already download the hex file when delivery, if can not download again, please check the RX & TX line whether is correct, power on after click download button. If you never do this operation before, please read the S19 download file introduction first.。



Double check the link between main board and usb module.

②. If you want to check the usb module whether is OK, you can link TX & RX

line together, then use usb test tool



to test, follow the user

manual



If the tool if show NG means not ok, then you need to check the driver whether is ok.

3. Part of LEDs not working:

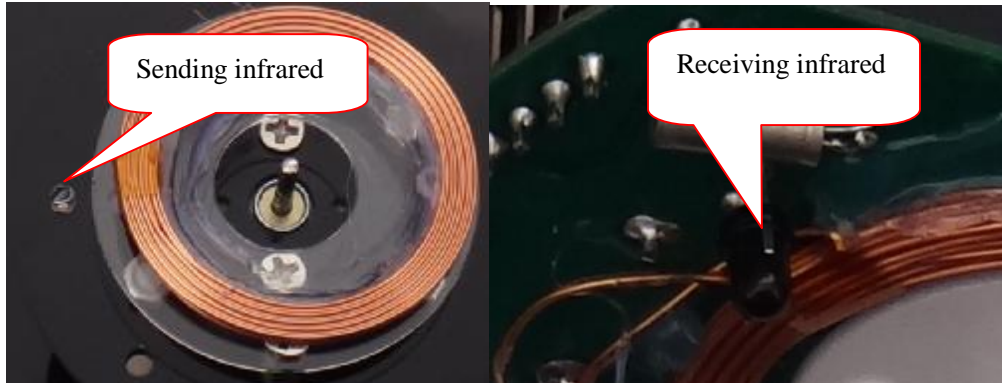
①. After you receive the goods, you can power on to see whether the LEDs will show one by one. If not, check resistance & LED whether have wrong soldering or rosin joint.

②. If above step is ok, please check mcu pins link whether is ok.



4. After update by PC software, then power on, but still show one by one:

- ①. Check LEDs and infrared. (The long leg of the receiving infrared is negative)



- ②. When rotating, whether the infrared can abut each other.

- ③. Remove the main board, then power on, use your phone camera to check the infrared whether shine. If not, please follow next step.

- ④. Use multimeter to check the power module voltage whether is about 4V. If not, please check the power module according to the instruction.

- ⑤. The infrared not shine, but the voltage is ok, you need to change the infrared to test again.

5. Heavy shaking when rotating:

- ①. Check the pillars.
- ②. Add some sandstone to heavy bottom box.

6. No showing after power on and show one by one:

Update the text and pictures first by PC software.

7. PC software can not download the text and pictures:

- ①. Make sure already download the hex file.
- ②. make sure selected com is right.



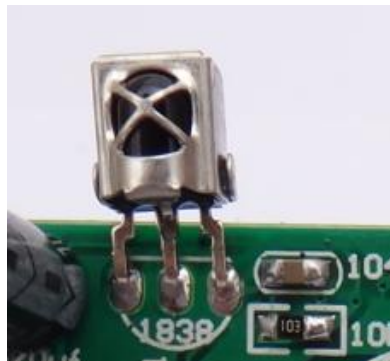
- ③. Check the link between usb module and main board.

8. Time showing is not working or not correct:

- ①. Check the DS1302 chip link is ok.
- ②. If above step is ok, please check the 3 10K resistances are ok.
- ③. If time not still working, check the 20p capacitance.
- ④. Check the battery whether is ok.

9. Remote is not working:

- ①. Aim at the infrared to remote.
- ②. Check the remote whether is ok, use your phone camera to check the infrared of the remote whether shine after press the remote button.。
- ③. If the above step is ok, check the infrared of the main board.



10. Only one LED working when rotating:

Please contact us to solve.