

How to improve the audio quality

There are two steps:

- (1) Reverse the plug and replace the two cables of mic
- (2) Take down the resistor R32 with a solder iron, then weld a 2K ohm (encapsulation is 0603) resistor on it.

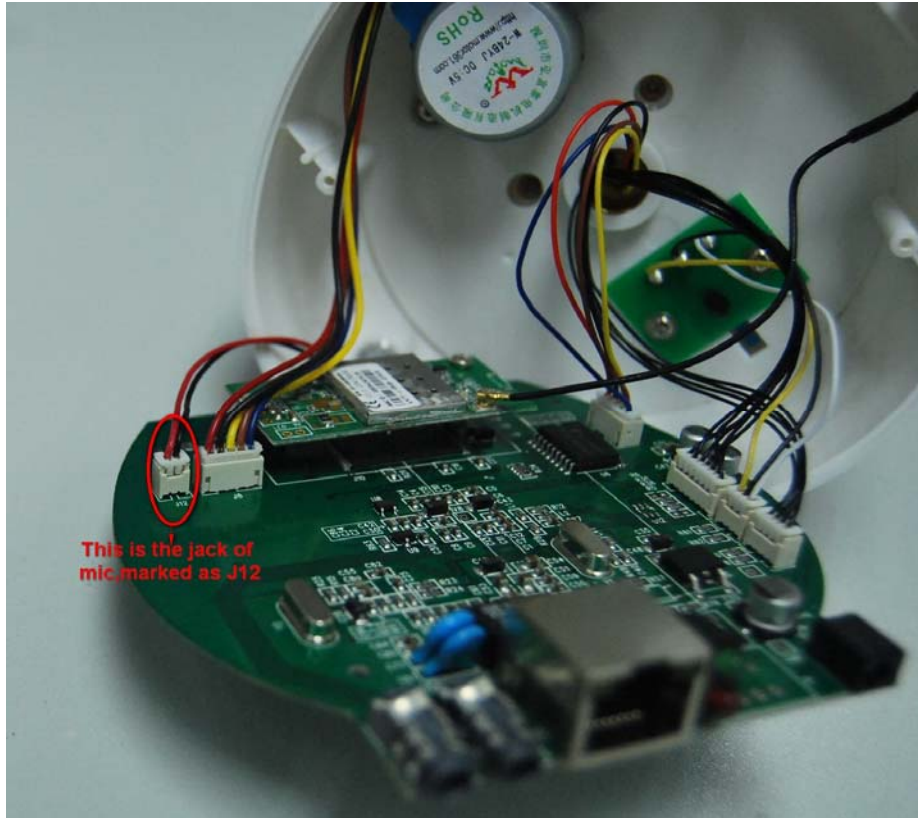
(1) Reverse the plug and replace the two small cables of mic

- 1) As the two mic cables have no division of positive and negative. Change the jack of the mic will improve the audio quality. Let's exchange the connection of the two small cables of mic.

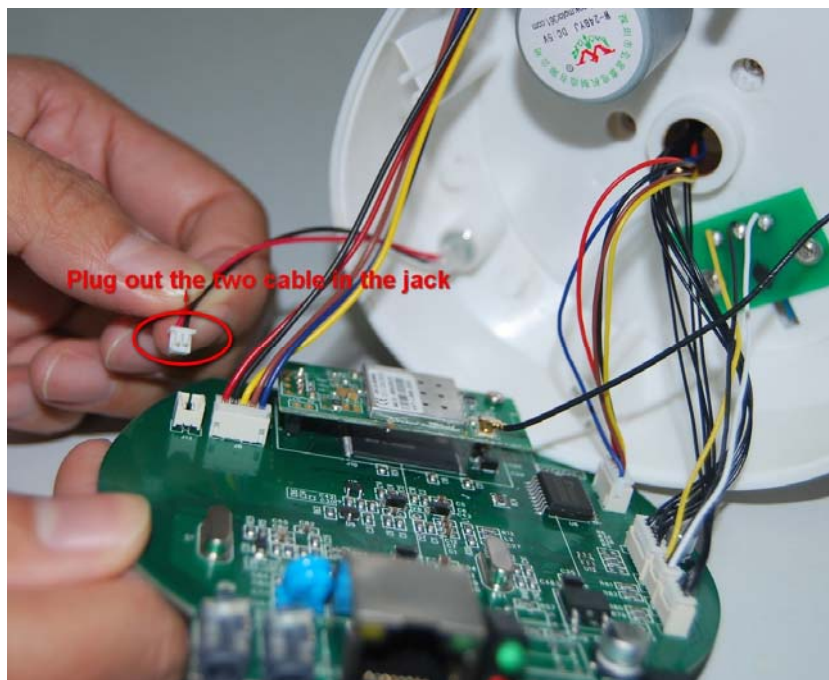
First, Screw off the four screws at the bottom of the camera.



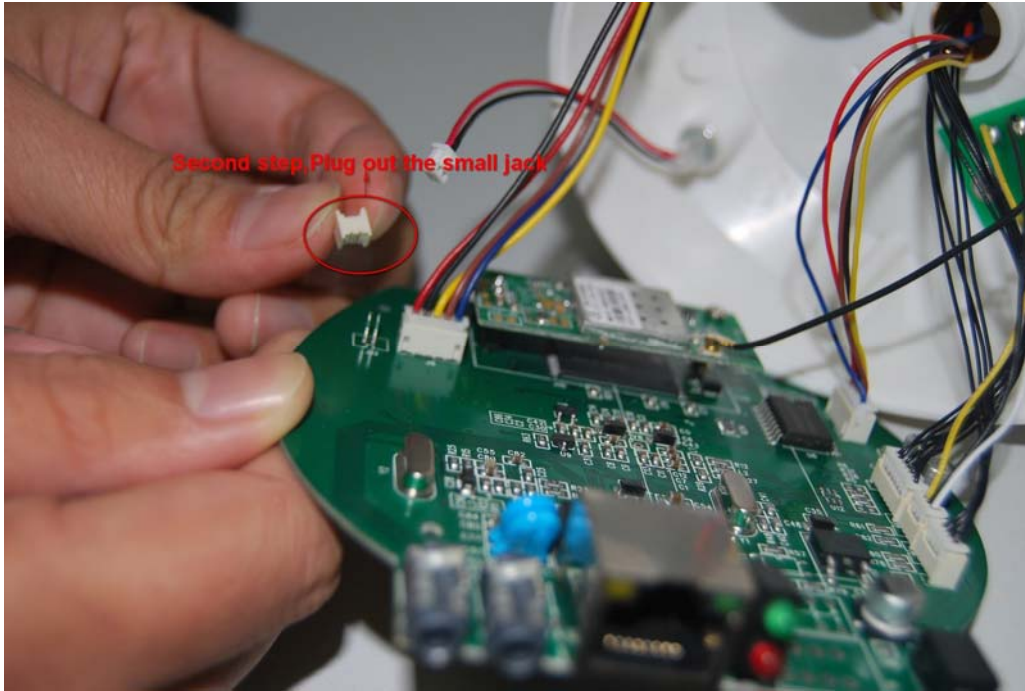
- 2) Open the mainboard. Find the jack marked J12.



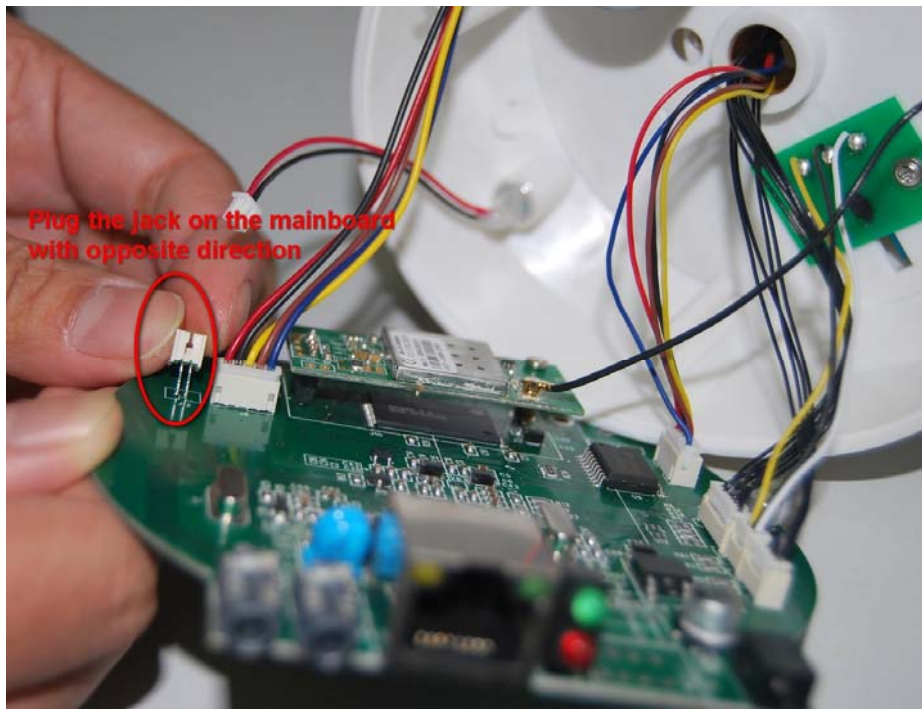
3) Plug out the two small cables of the mic.



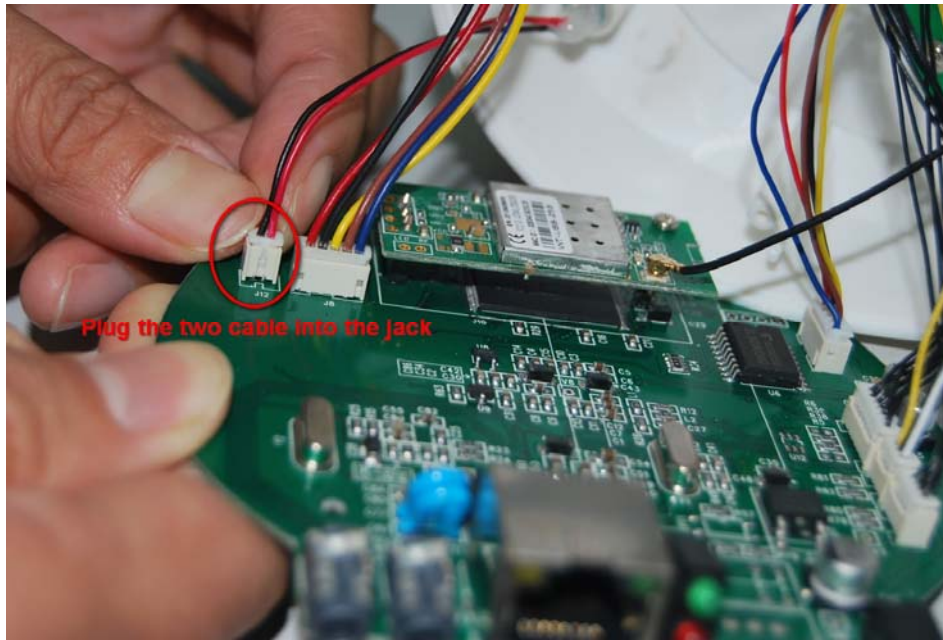
4) Then plug out the small jack.



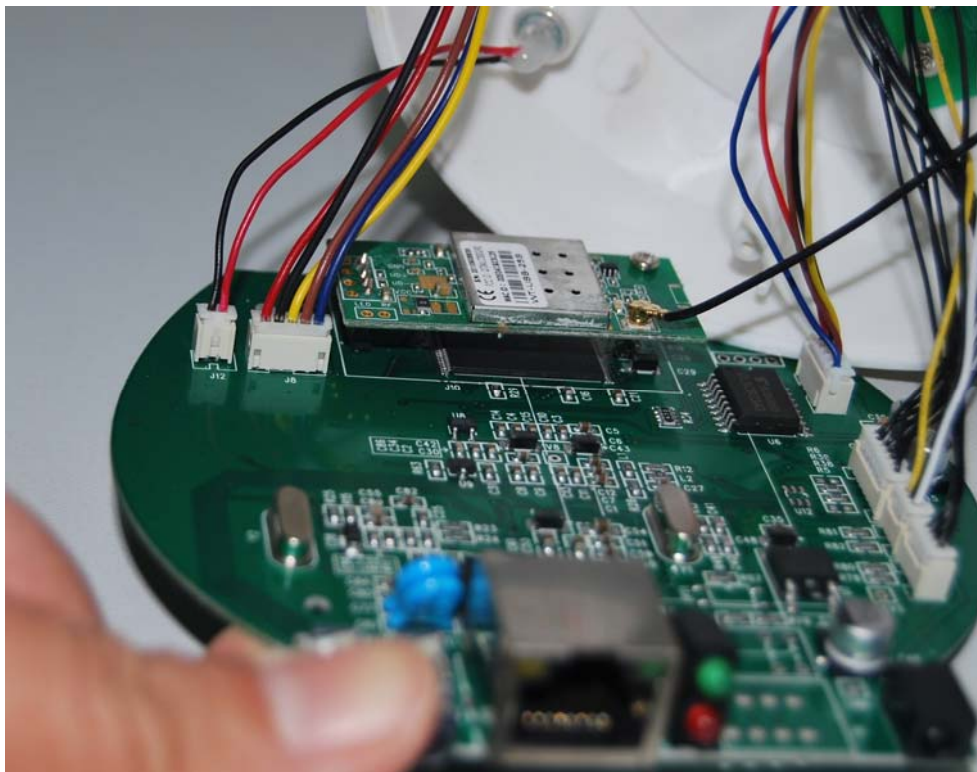
- 5) Reverse the direction of the jack (put the gap oppositely the direction marked on the mainboard), then plug the small jack on the mainboard again.



- 6) Plug the two small cables into the jack again. Also with opposite direction.

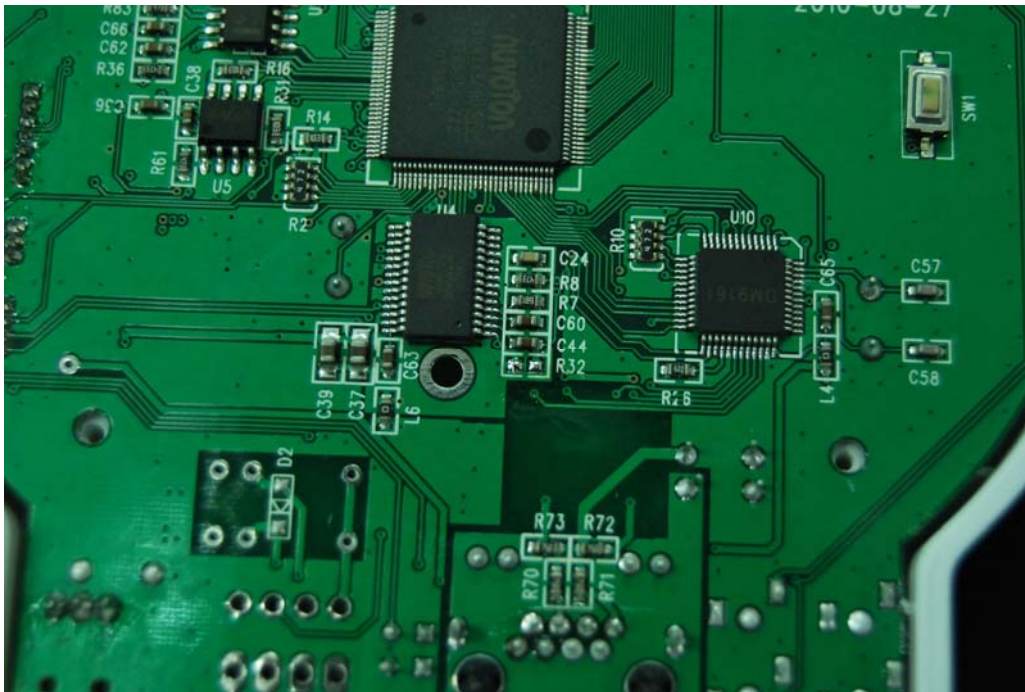
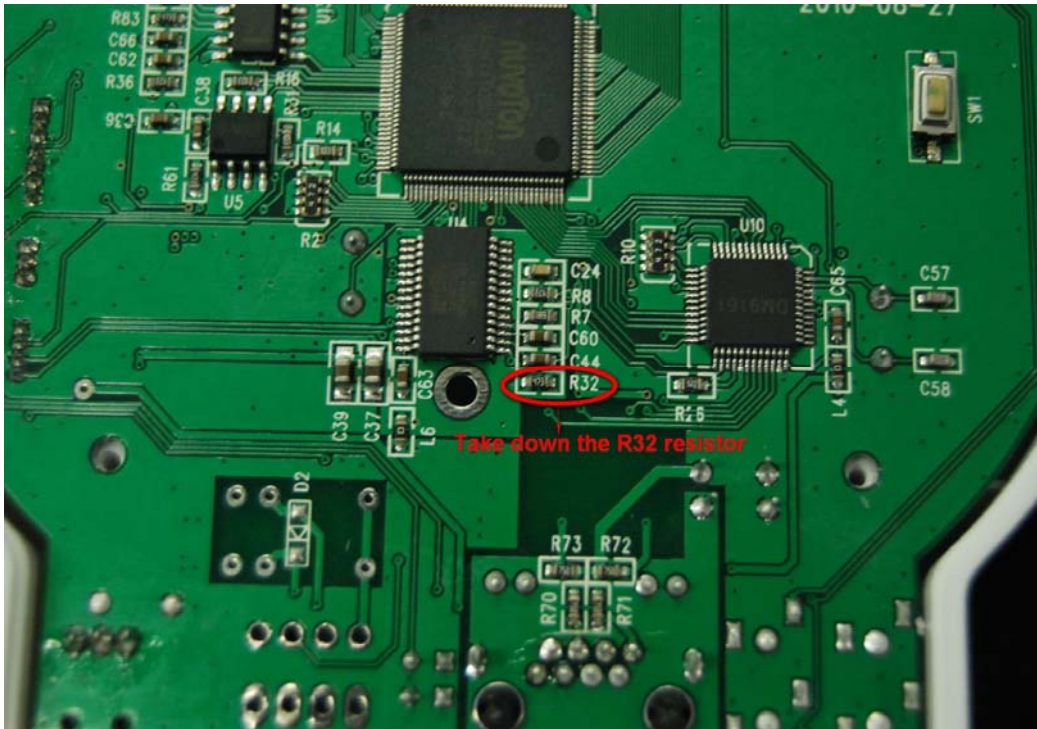


7) After change them, the left cable is black, the right cable is the red.

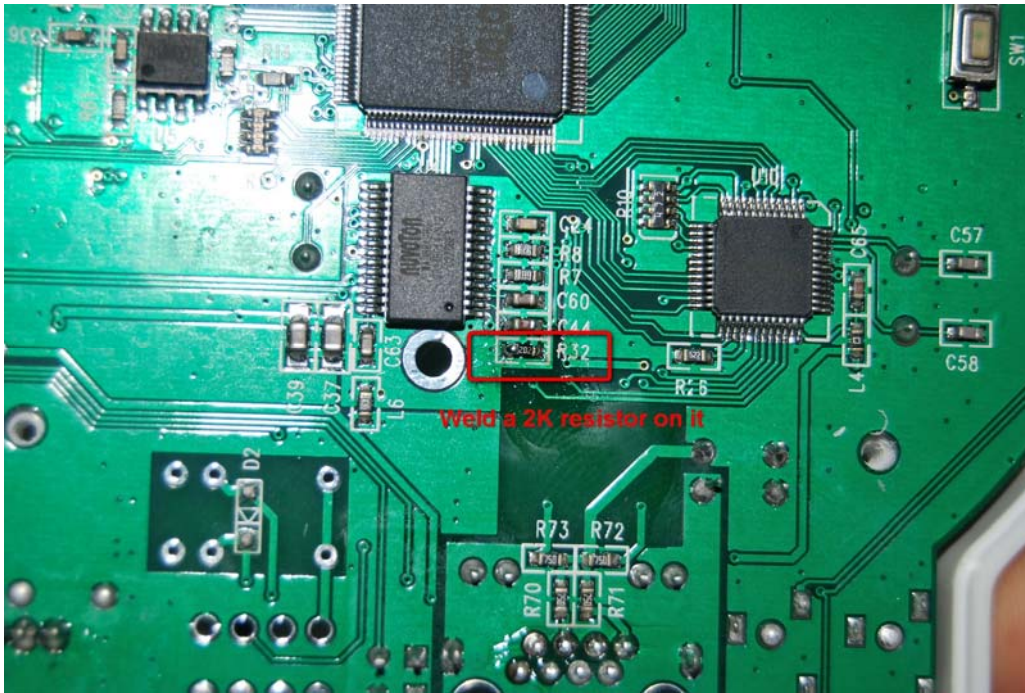


(2) Weld down the resistor R32 (47K ohm) and weld a 2K ohm (encapsulation is 0603) resistor on it.

Use a solder iron weld down the R32 resistor, and then use a 2K ohm (0603) resistor weld on it.



Weld a $2K \pm 5\%$ ohm resistor on it. The encapsulation is 0603.



After you finish these two steps, you can test the audio.
The audio quality will be much better, the camera will catch sound around it within 5~7 meters.