

Tutorial for P1 HD VRX Nano: Internal Power Supply Mod on Fat Shark Goggles

This guide introduces how to achieve P1 HD VRX Nano can work via the internal power supply on your Fat Shark goggles:

- ATTV6 & HDO2 & HDO+ & HDO & HD3: Require to add the jumper wire and remove the resistor
- Please operate carefully when modifying Fat Shark goggles, as such modifications may affect the warranty.

Tools and Materials

Please prepare the following tools and materials:

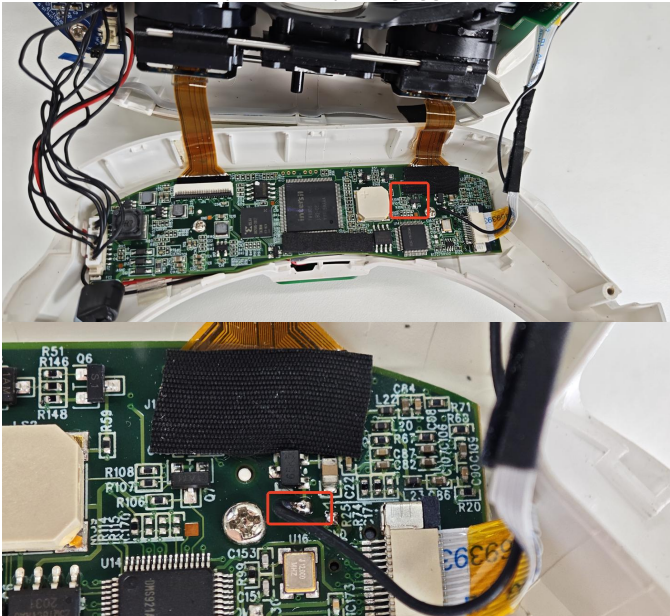
- Jumper wire
- Soldering iron
- Heat gun
- Phillips screwdriver

Operation Steps

ATTV6

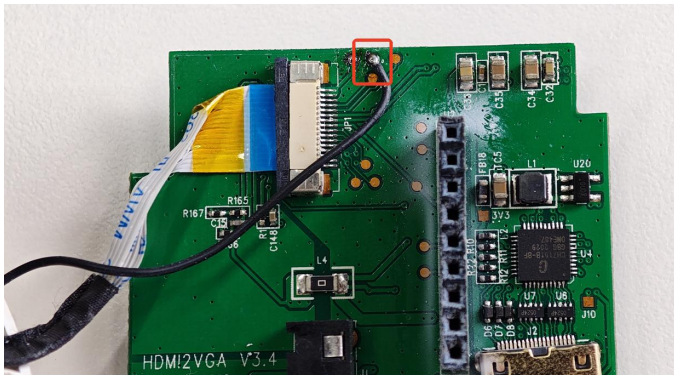
Connect the GND of the main board and HDMI board with jumper wire.

1. Remove the top case of your goggles and solder the GND pad shown in the images with jumper wire.



2. Then solder this GND pad on HDMI board shown in this image with the other end of jumper wire. The modification for ATTV6 goggles is completed.





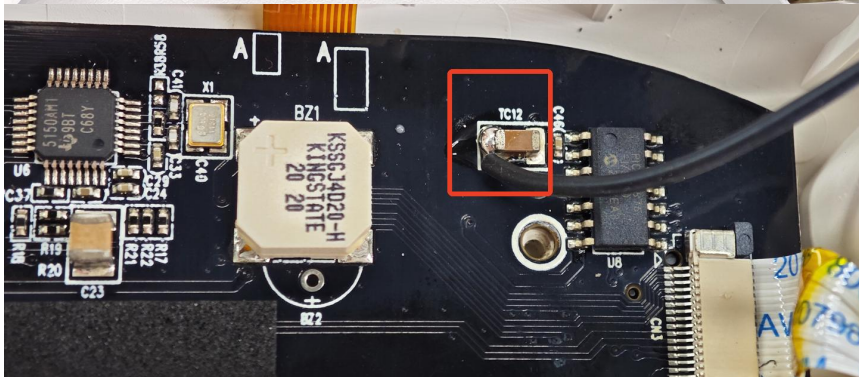
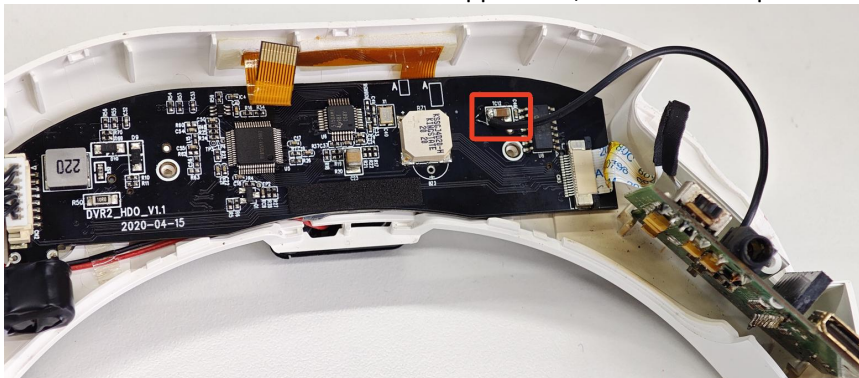
HDO2

Connect the GND of the main board and HDMI board with jumper wire, and remove the resistor R29 on the HDMI board.

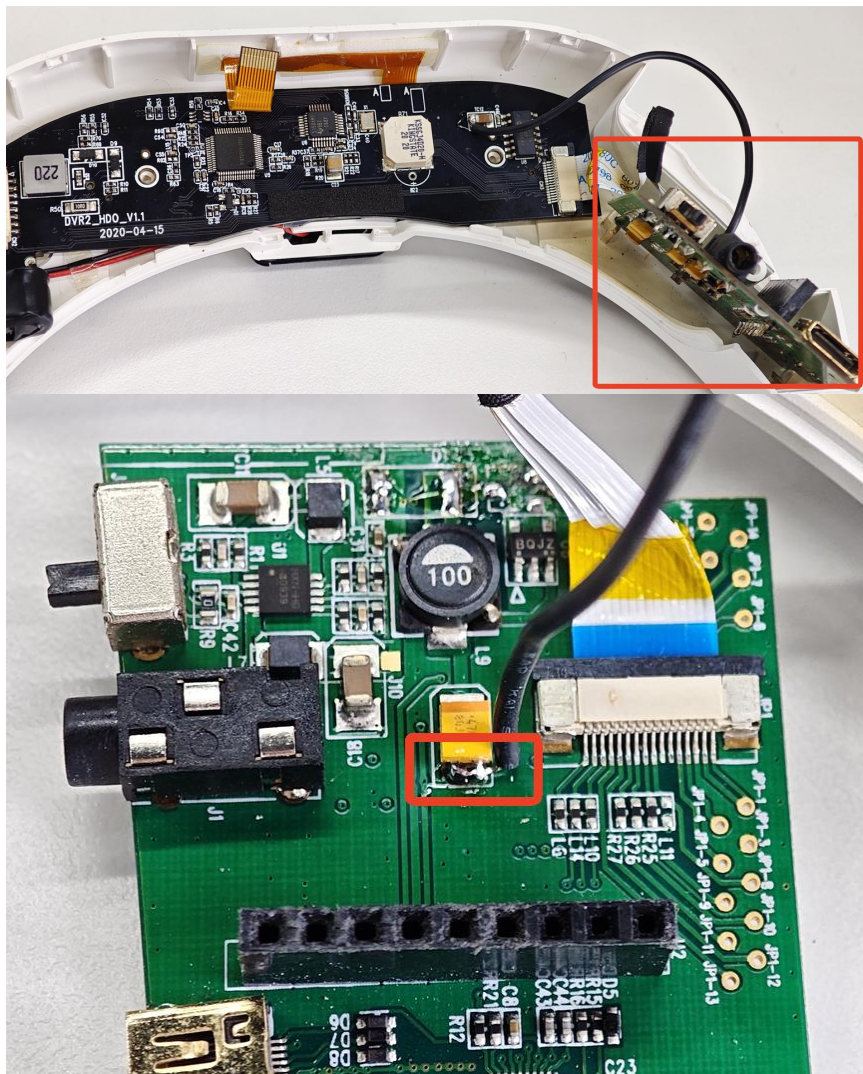
1. Please carefully remove the case to avoid damaging the three clips on the front.



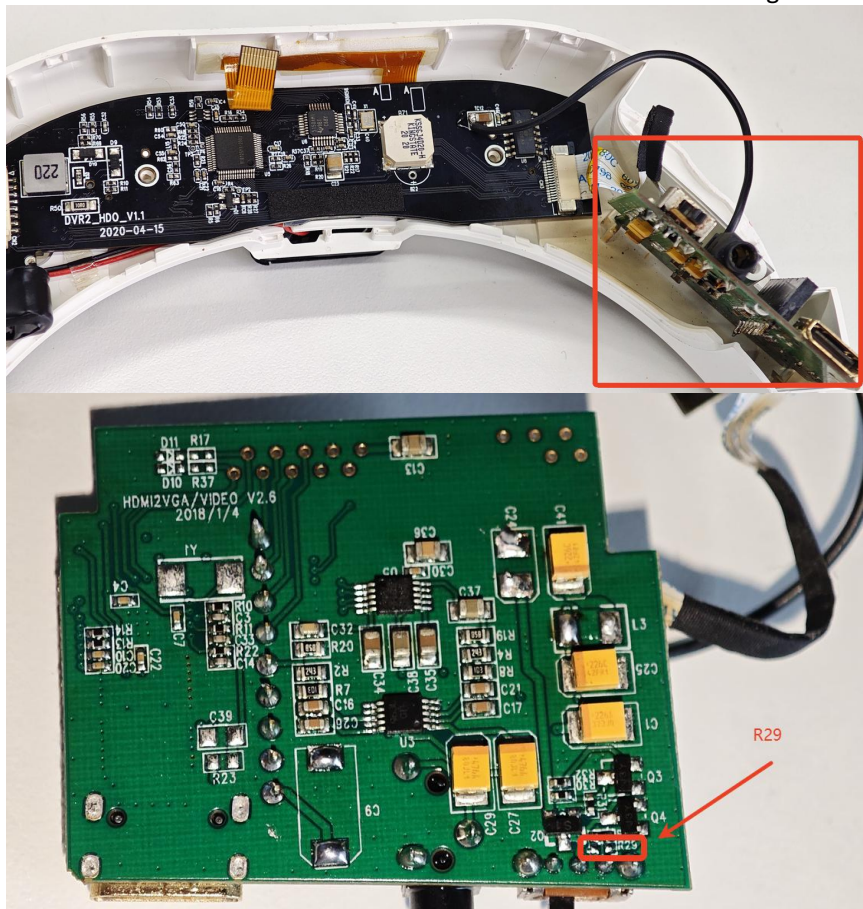
2. On the main board secured to the upper case, locate the component marked TC12 and solder the GND pad.

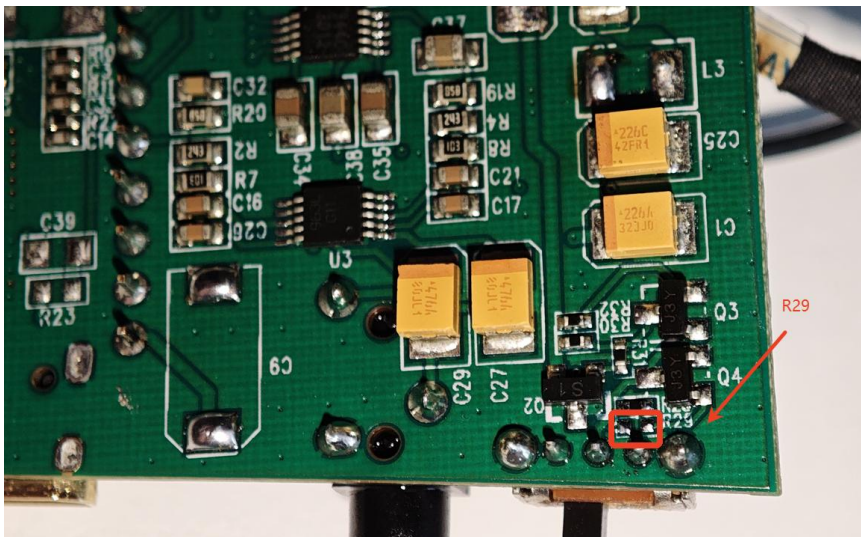


3. Solder the other end of the jumper wire to the marked position on the main board as shown in the image.



4. Remove the resistor R29 on the HDMI board shown in the image.





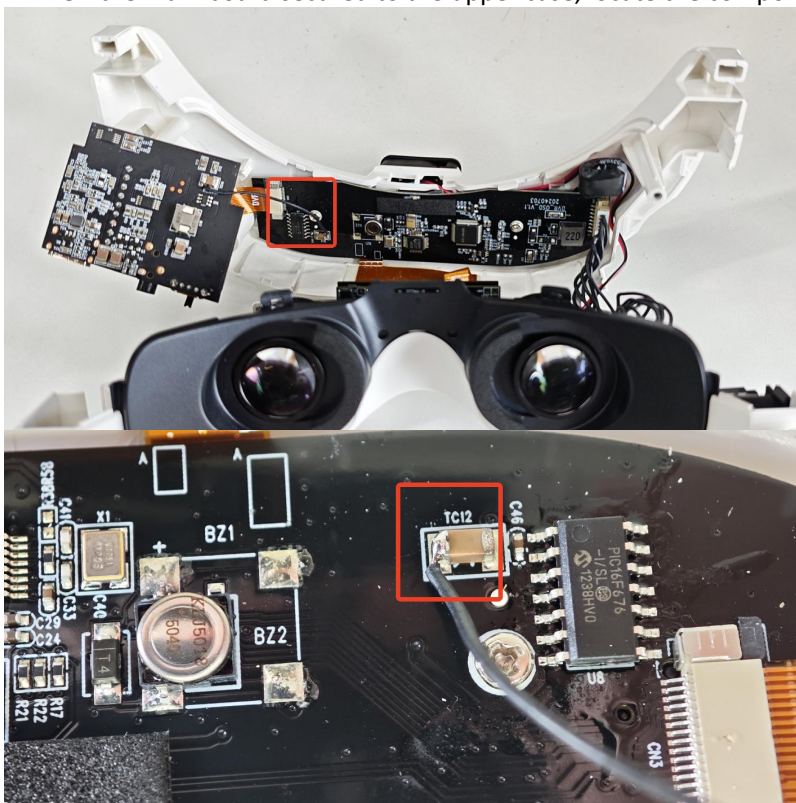
HDO+

Connect the GND of the main board and HDMI board with jumper wire, and remove the resistor R29 on the HDMI board.

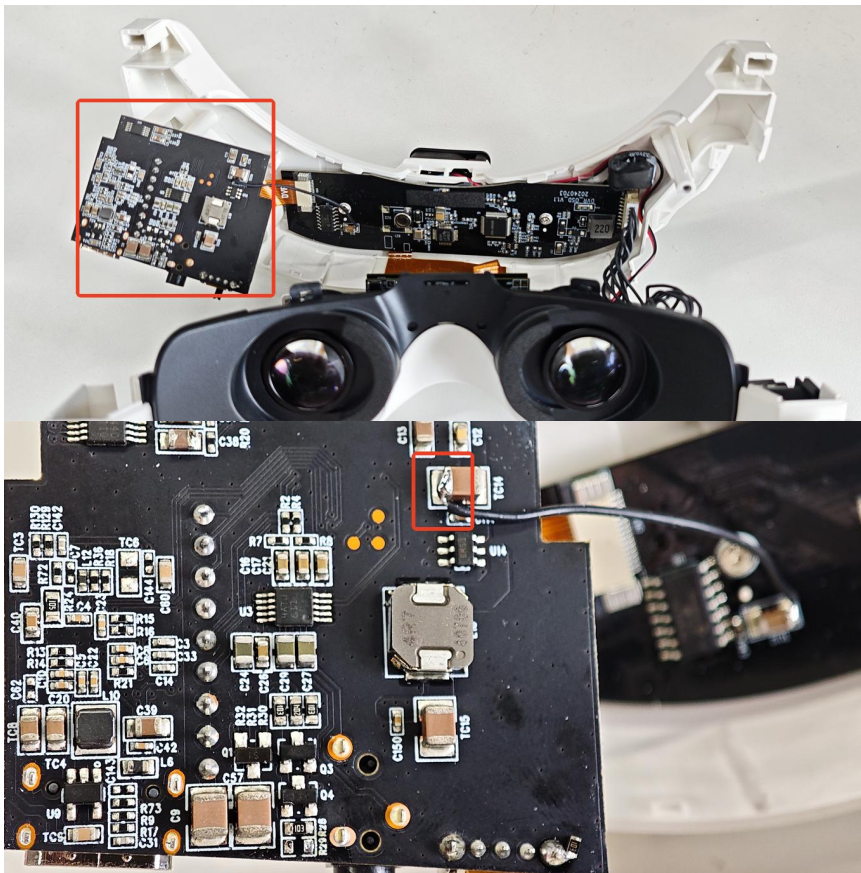
1. Please carefully remove the case to avoid damaging the three clips on the front.



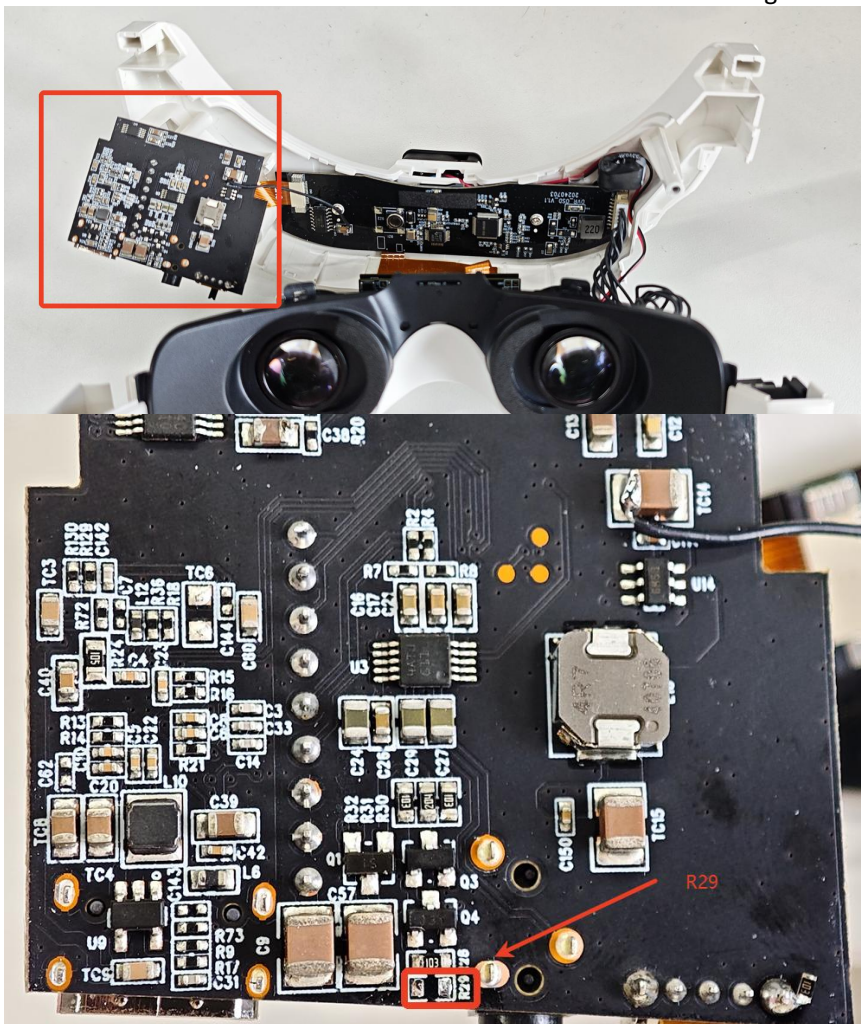
2. On the main board secured to the upper case, locate the component marked TC12 and solder the GND pad.



3. Solder the other end of the jumper wire to the marked TC14 on the main board as shown in the image.



4. Remove the resistor R29 on the HDMI board shown in the image.



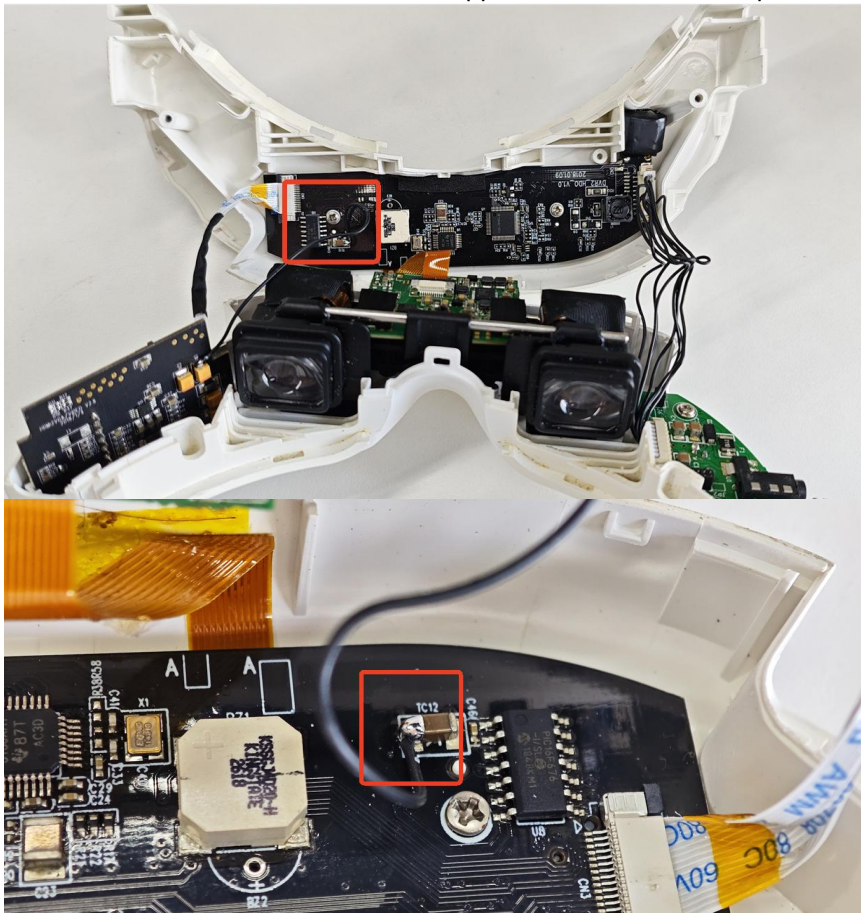
HDO

Connect the GND of the main board and HDMI board with jumper wire, and remove the resistor R29 on the HDMI board.

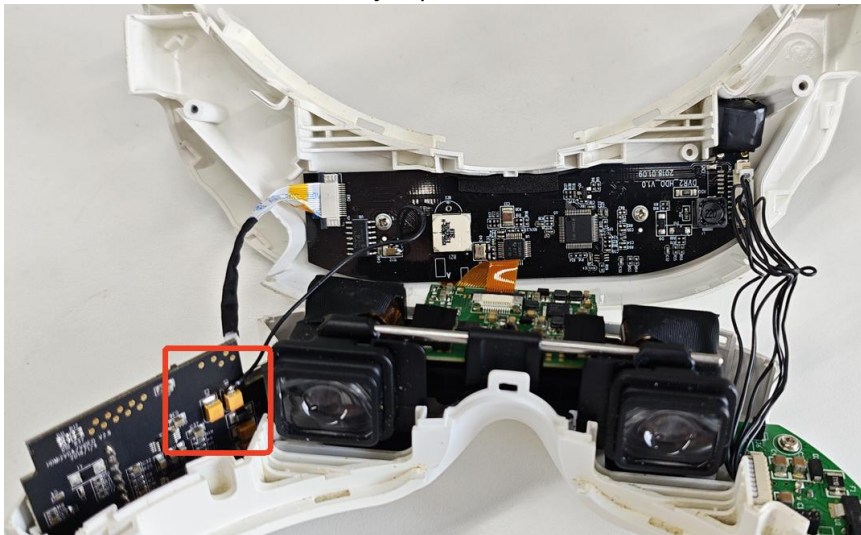
1. Please carefully remove the case to avoid damaging the three clips on the front.

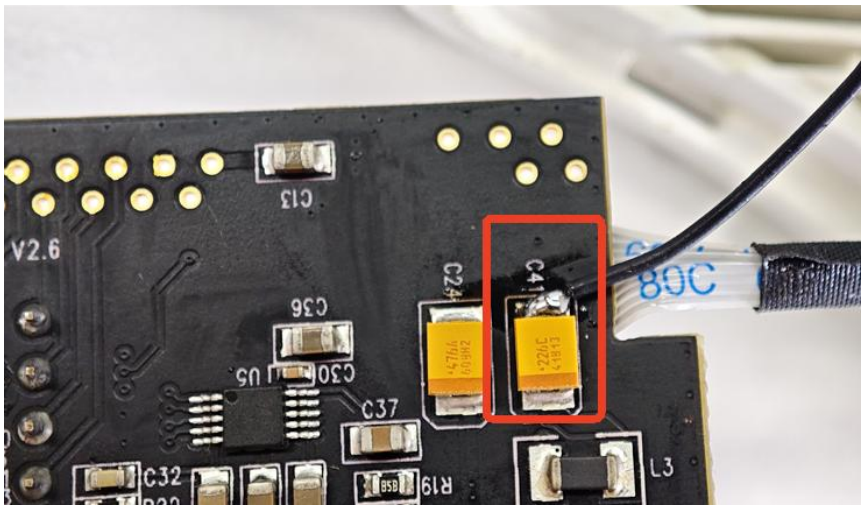


2. On the main board secured to the upper case, locate the component marked TC12 and solder the GND pad.

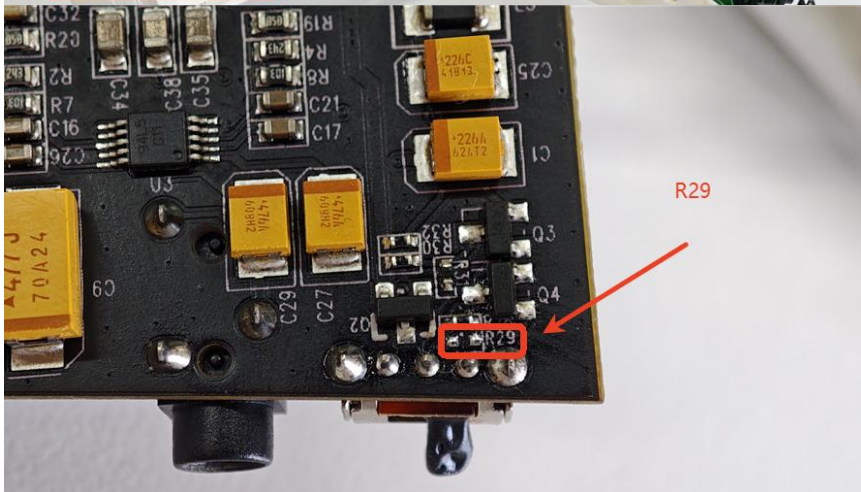
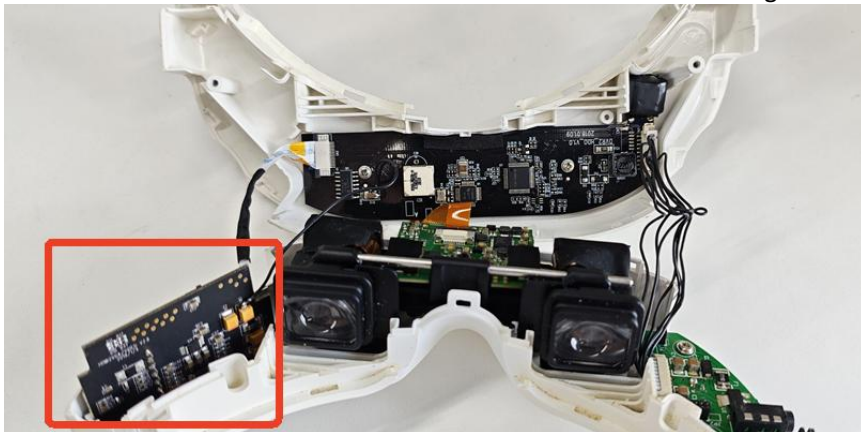


3. Solder the other end of the jumper wire to the marked C41 on the main board as shown in the image.





4. Remove the resistor R29 on the HDMI board shown in the image.



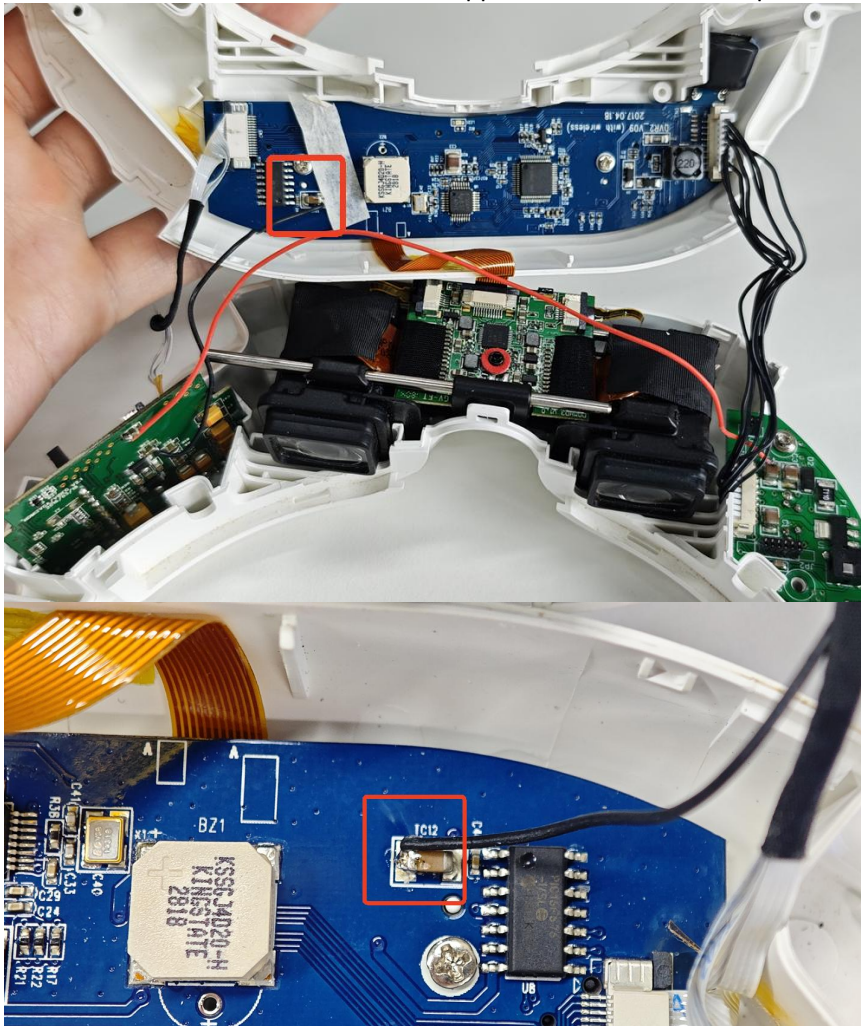
HD3

You should solder to connect the main board with the HDMI board, solder to bridge the pins of the RX switch, and set the RX switch to the position 0.

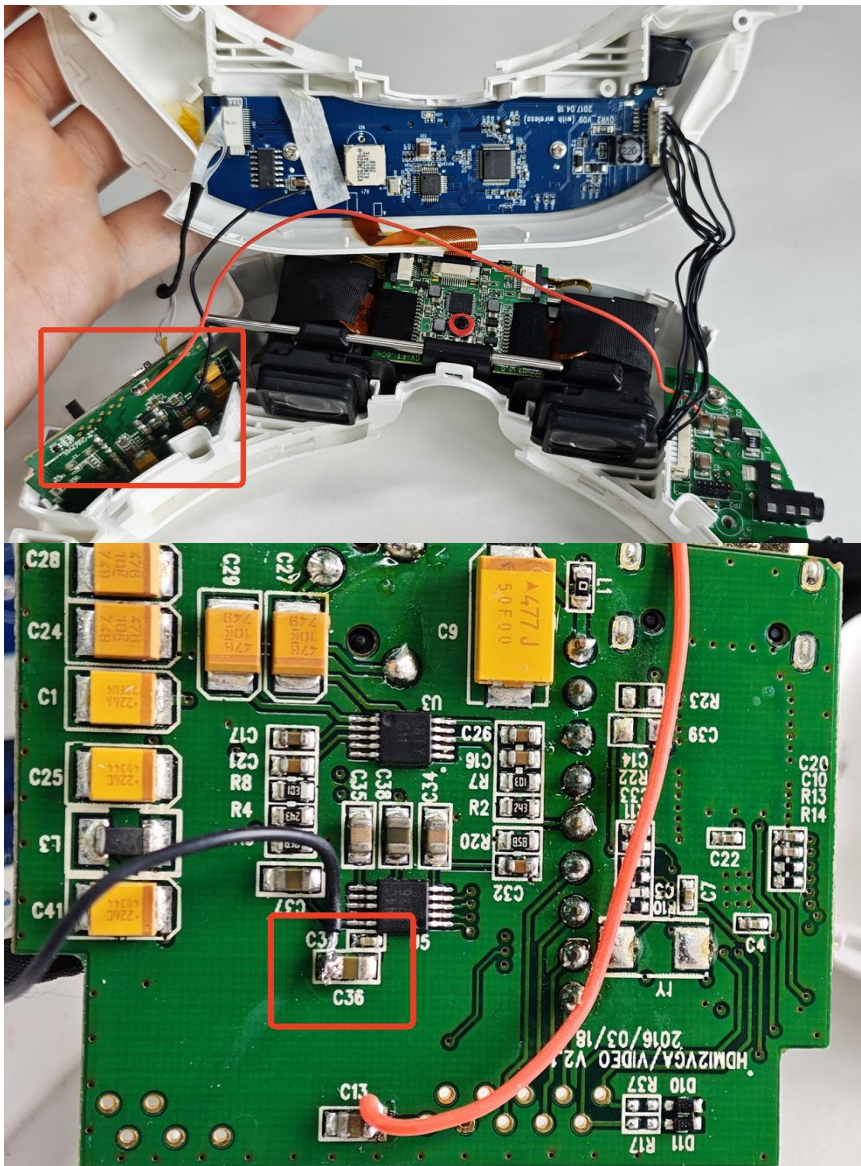
1. Please carefully remove the case to avoid damaging the three clips on the front.



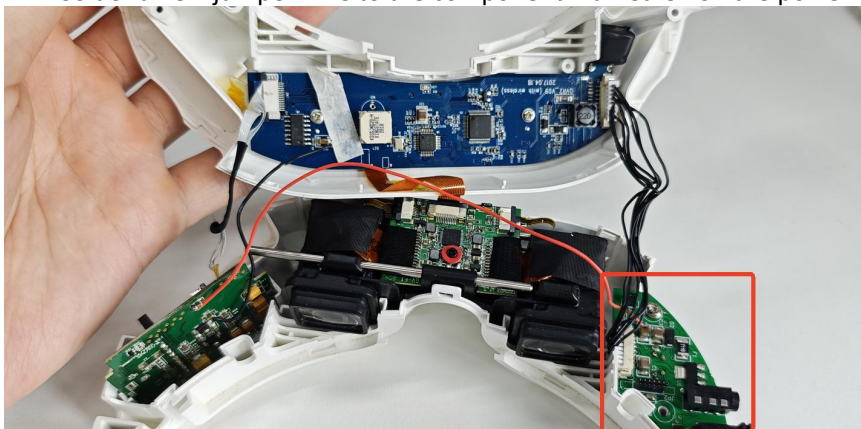
2. On the main board secured to the upper case, locate the component marked TC12 and solder the GND pad.

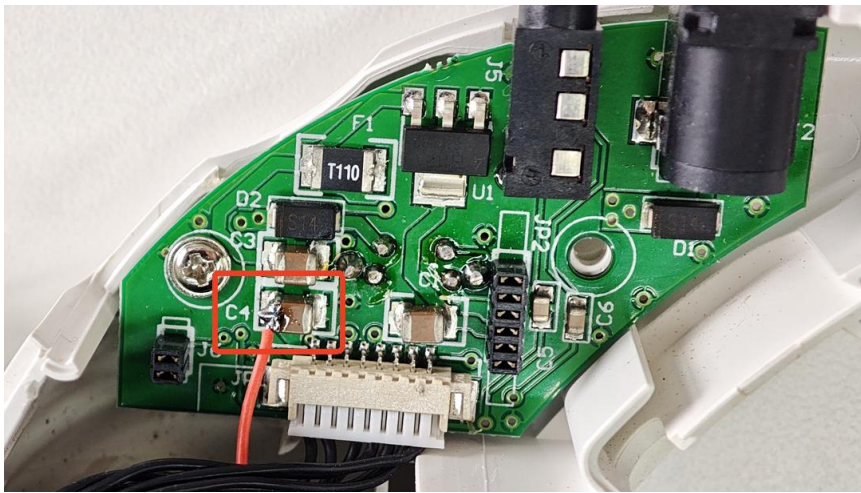


3. Solder the other end of the jumper wire to the marked C36 on the main board as shown in the image.

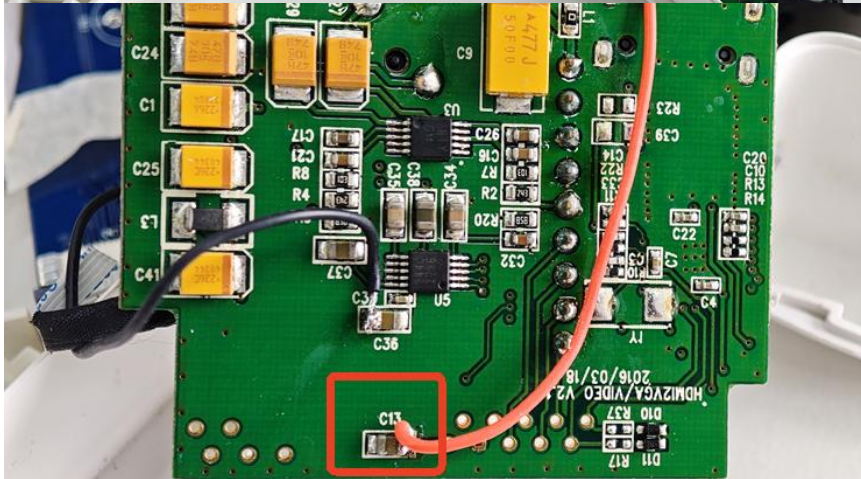
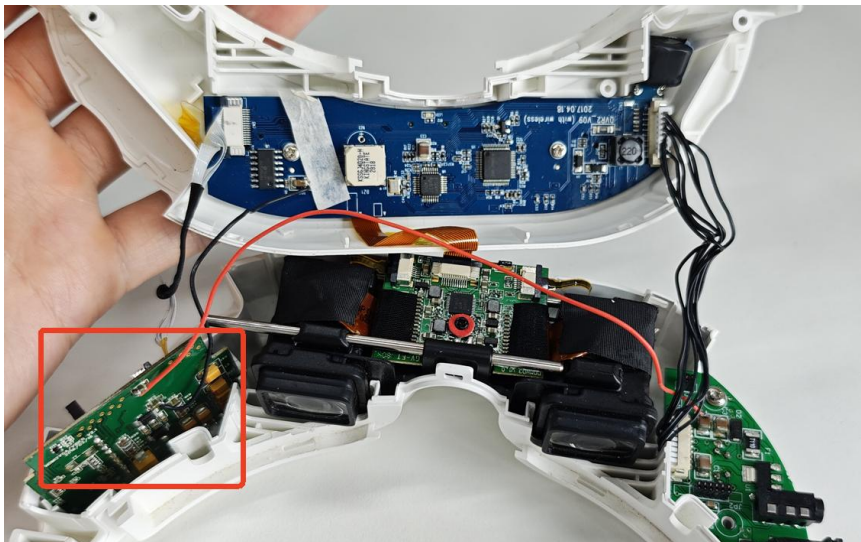


4. Solder a new jumper wire to the component marked C4 on the power board.



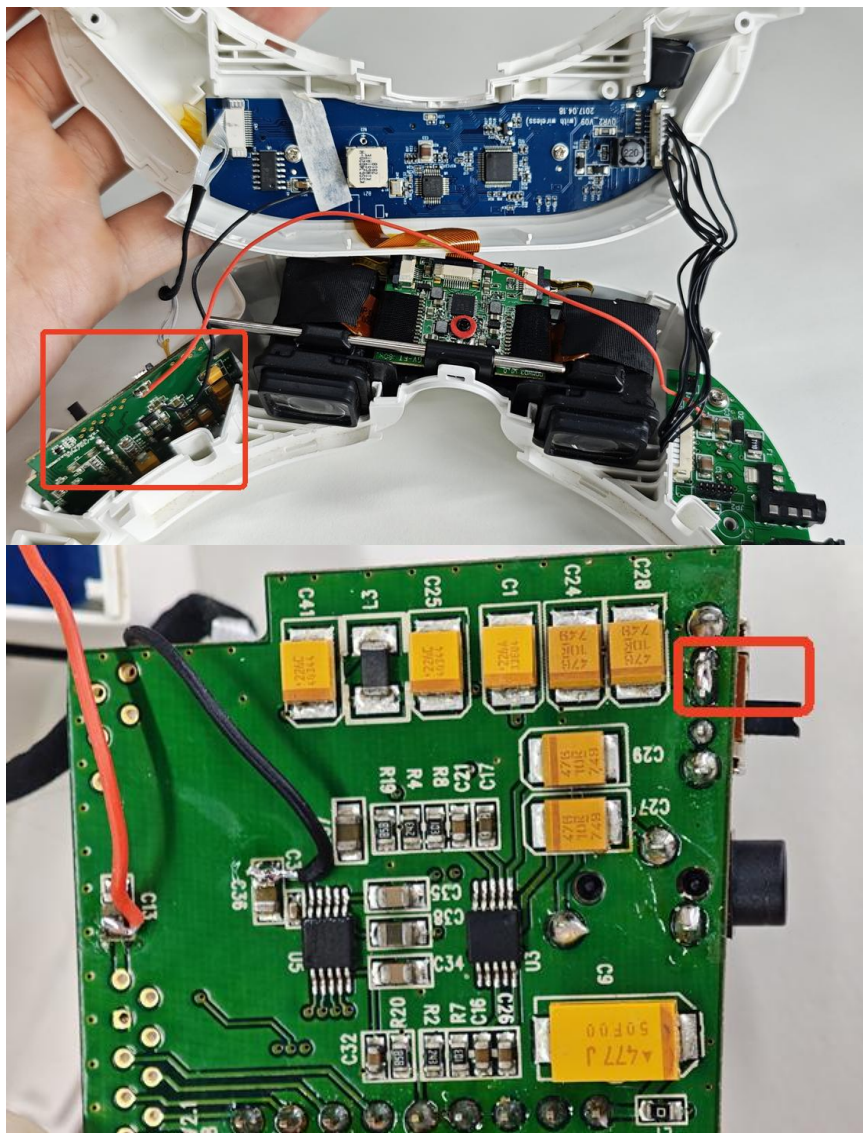


5. Solder the other end of this new wire to the marked C13.



6. Set the RX switch to 0, and solder-bridge the switch pins inside the red box to connect them together.





P1 HD VRX (Nano)

This modification is only required for the Beta Test version of P1 HD VRX Nano. No change is needed for the official release version.

Please refer to the link to modify P1 HD VRX Nano:

[Tutorial of P1 HD VRX V1.0.3 - Goggles Internal Power Supply Setup](#)