

How to set up a New GoPro Hero 12 for Stereo-BRUVS

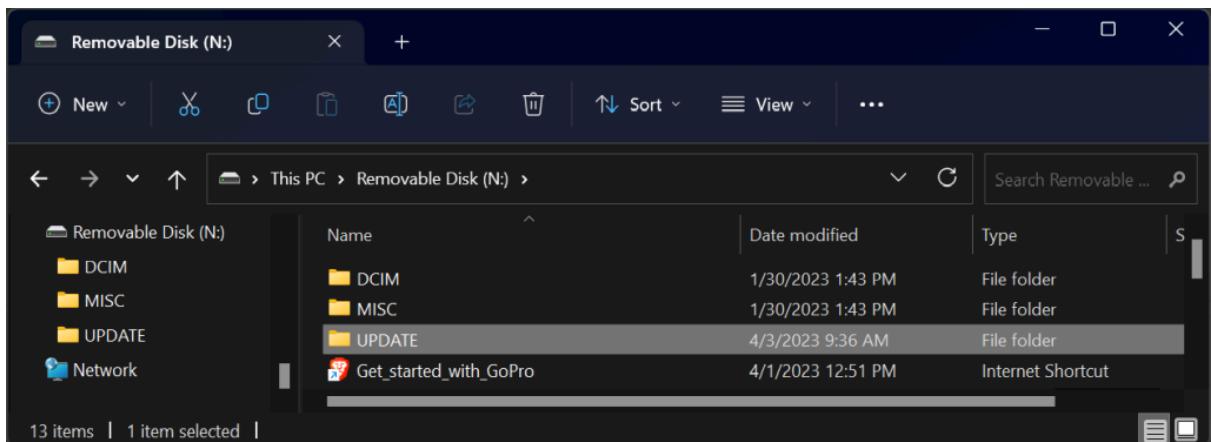
This SOP assumes you have

- A freshly unboxed GoPro Hero 12 Black
- A SeaGIS GoPro H9/10/11/12 Black housing 230mm body
- A 3D printed battery pack holder..

It is broken up into two parts: [Setting up the GoPro](#) and [Assembling the Housing](#).

Setting up the GoPro

1. Before turning the camera on, you will need to download the **GoPro Labs** firmware from <https://gopro.github.io/labs/>.
2. Unzip the file into a folder on your computer.
3. Copy the UPDATE folder onto a SD card. Not the contents but the entire folder as when the GoPro starts up it will search the SD card for a folder with this name.



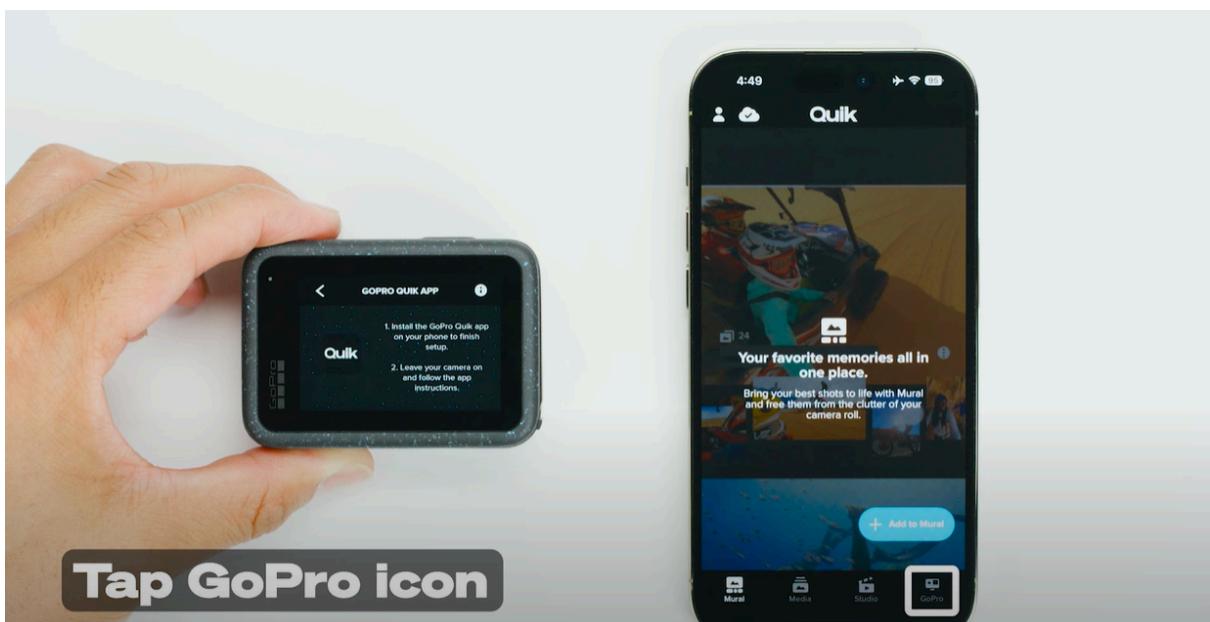
4. Remove the SD card from your computer and insert the card into the new GoPro.
5. With the GoPro battery inserted, turn the camera on.
6. An update sequence will begin with the camera turning off and on again several times with the settings icon displaying. This will take about a minute. You should get

the following message on successful installation of the GoPro Labs firmware.



7. Upon successful update you will be asked to select a language, agree to GoPro's ToS and whether you want to activate voice commands. Select "accept" and "Disable" respectively.

8. You will now need to add the new camera to the Quick GoPro App.



9. Once paired the device will begin another short update.

10. After updating the new camera you can select not to rename it and on the screen of the camera you can select auto update date and time using the Quick app and it will set the date and time accordingly.
11. You can now turn off the annoying beeps by pulling down on the screen and pressing the sound button.



12. With the camera turned on (not recording) point the lens towards the QR code below. This will allow the camera to startup using the battery pack only and not require the GoPro battery to be inserted. Turn the camera off and then back on again and you should see the following message on startup: "Features activated: TUSB"



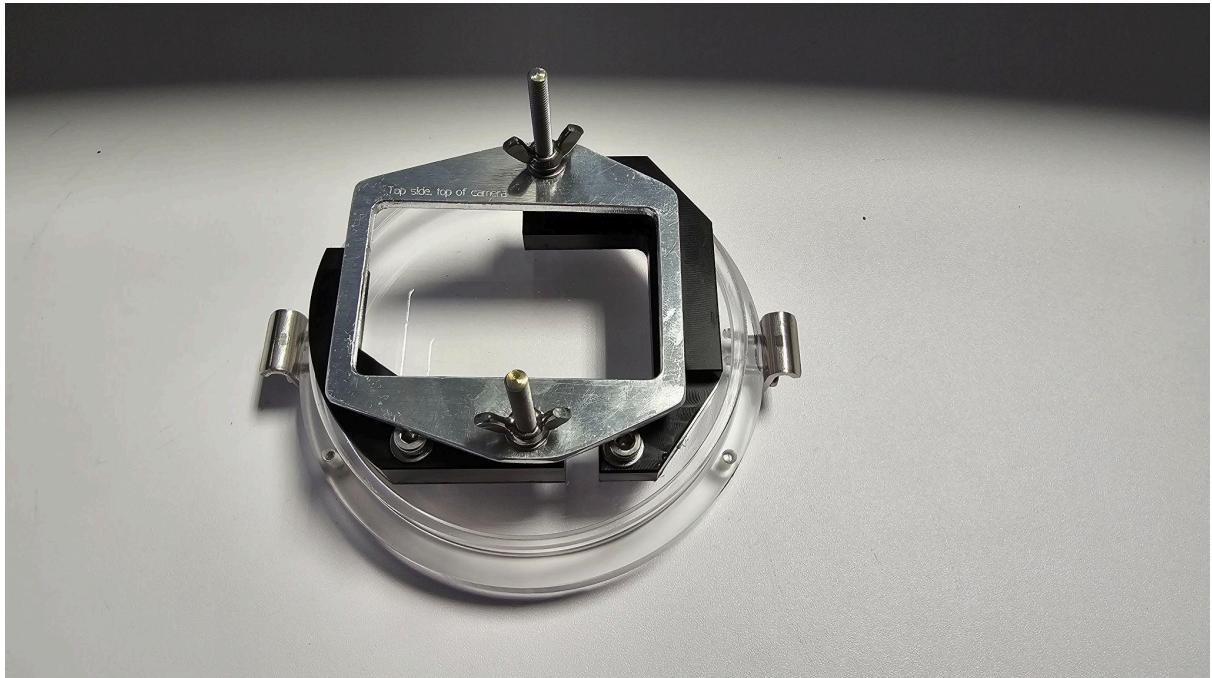
Trust Battery Pack
GoProQR: !MTUSB=1



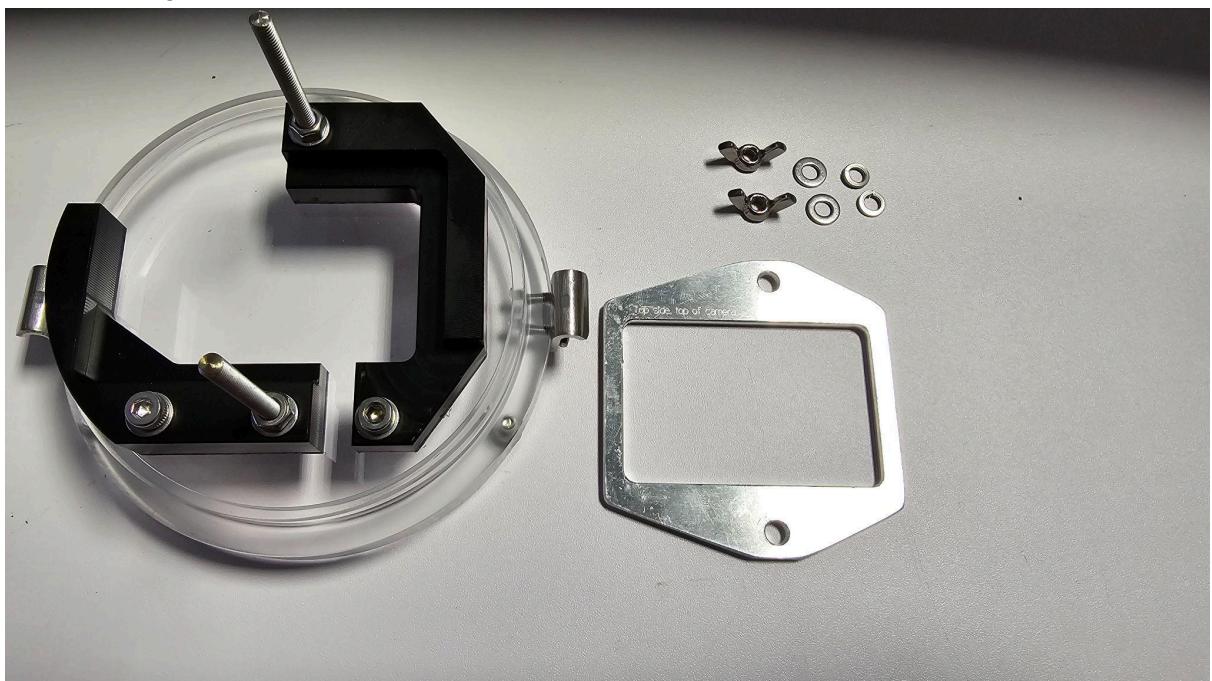
13. Turn off the camera and remove the internal battery, pull off the door and dispose of both responsibly.
14. Take out the SD card and reinsert into your computer to copy across the UPDATE folder again for the next camera.

Assembling the housing

1. Remove faceplate from the housing.



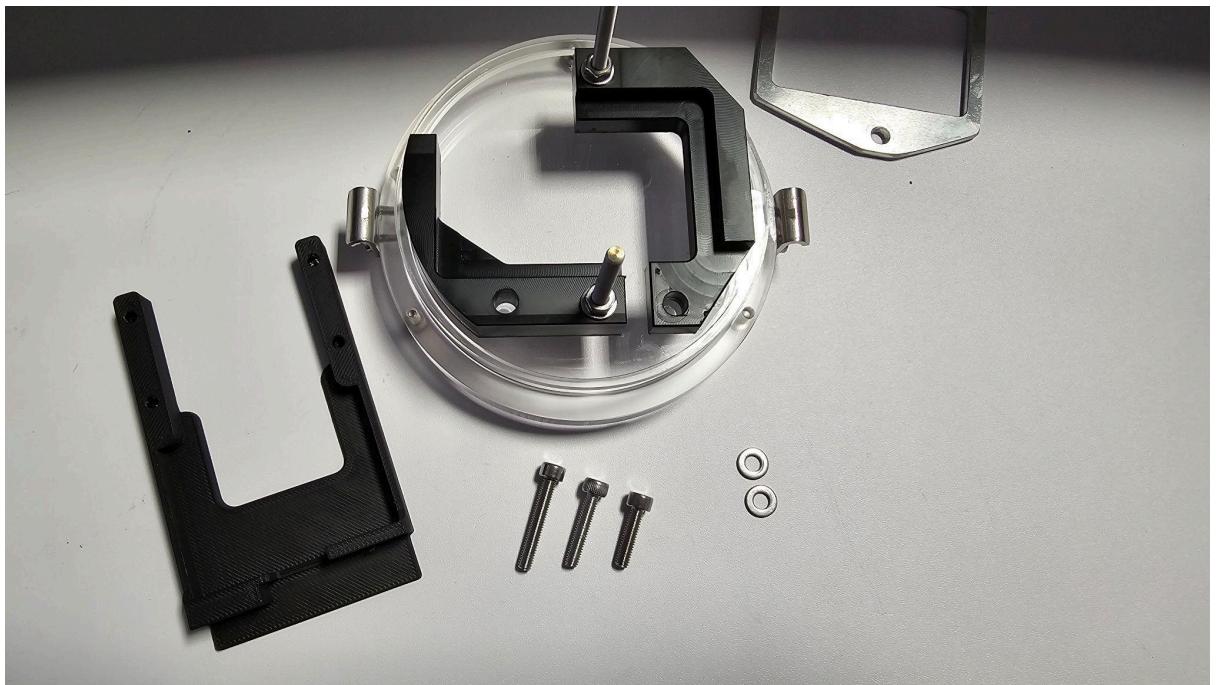
2. Remove wingnuts and set aside the backplate.



3. Use a 3mm hex key to remove the bolts and washers. Note different sizes.



4. Take out the larger bolt and the arms of the battery pack holder that was provided with the battery pack holder.



5. Use the large and medium bolt with the two washers to secure the arms to the faceplate. Leave the small bolt aside.



6. Before pushing the camera into the face plate, ensure the space between the lens and faceplate is free of debris and smudges.

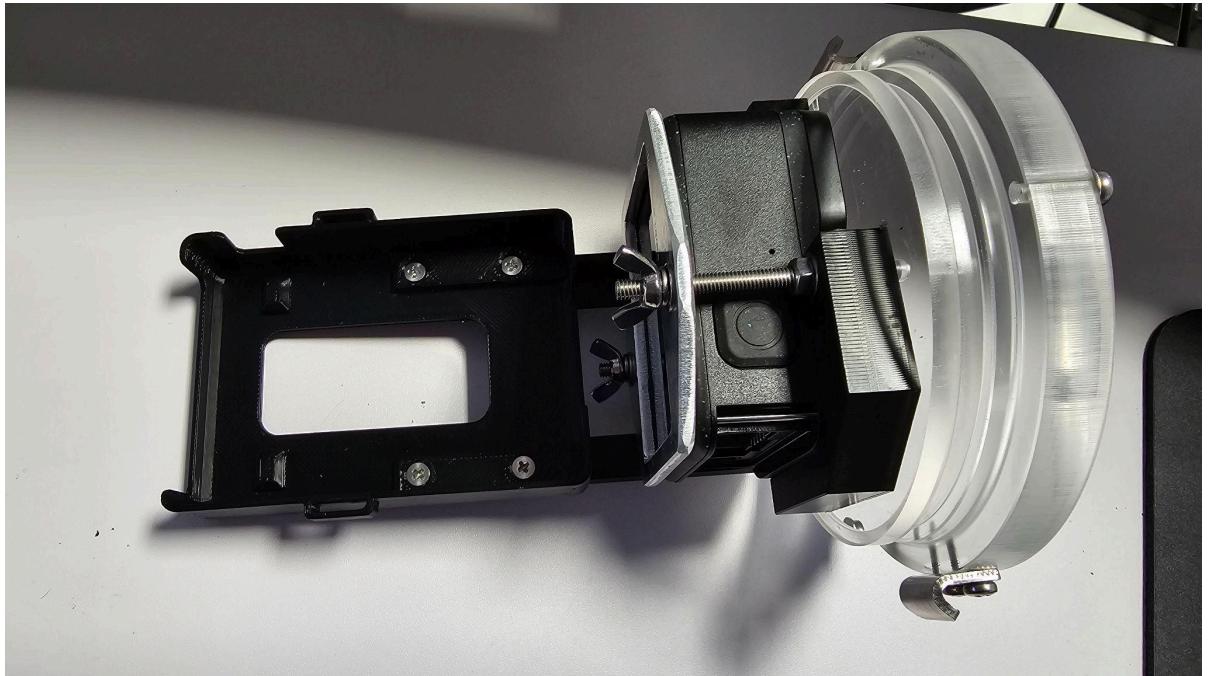


7. Secure GoPro to the faceplate using the wingnuts to tighten the back plate. Finger-tight not wrist-tight.

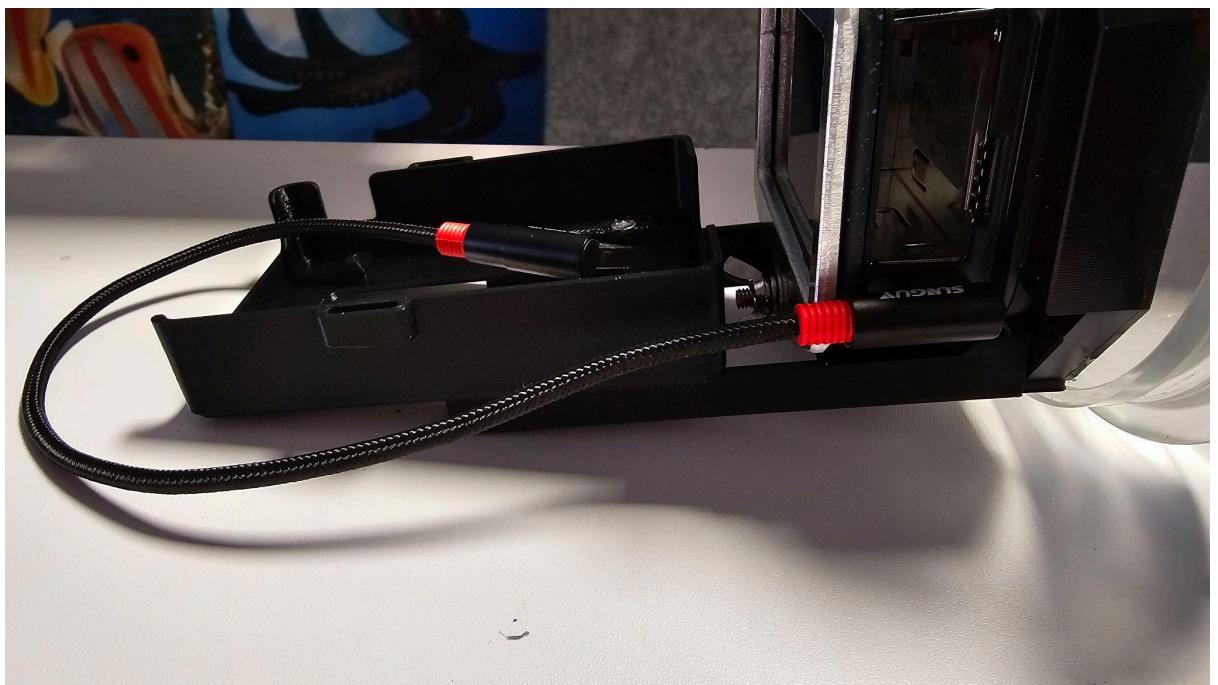


8. Use the small screws provided with the battery pack holder to secure the cradle to the arms. You may need to run the screw through the pack of the arms to clear the thread of any plastic leftover from making the hole.

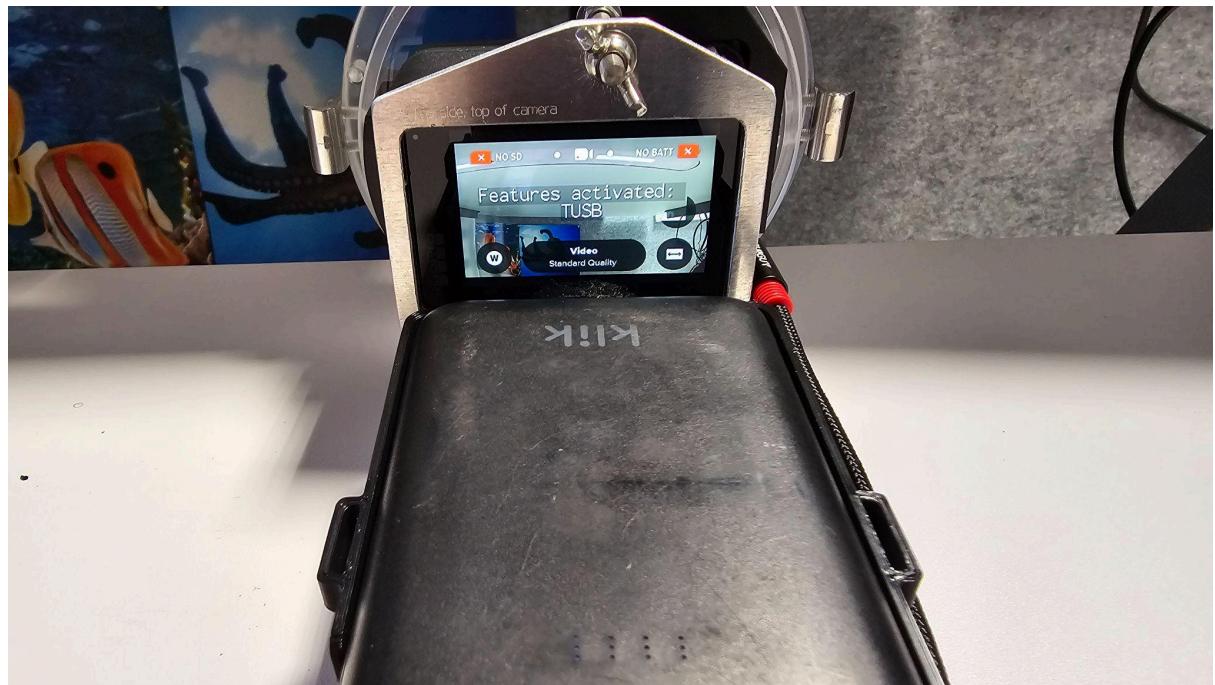




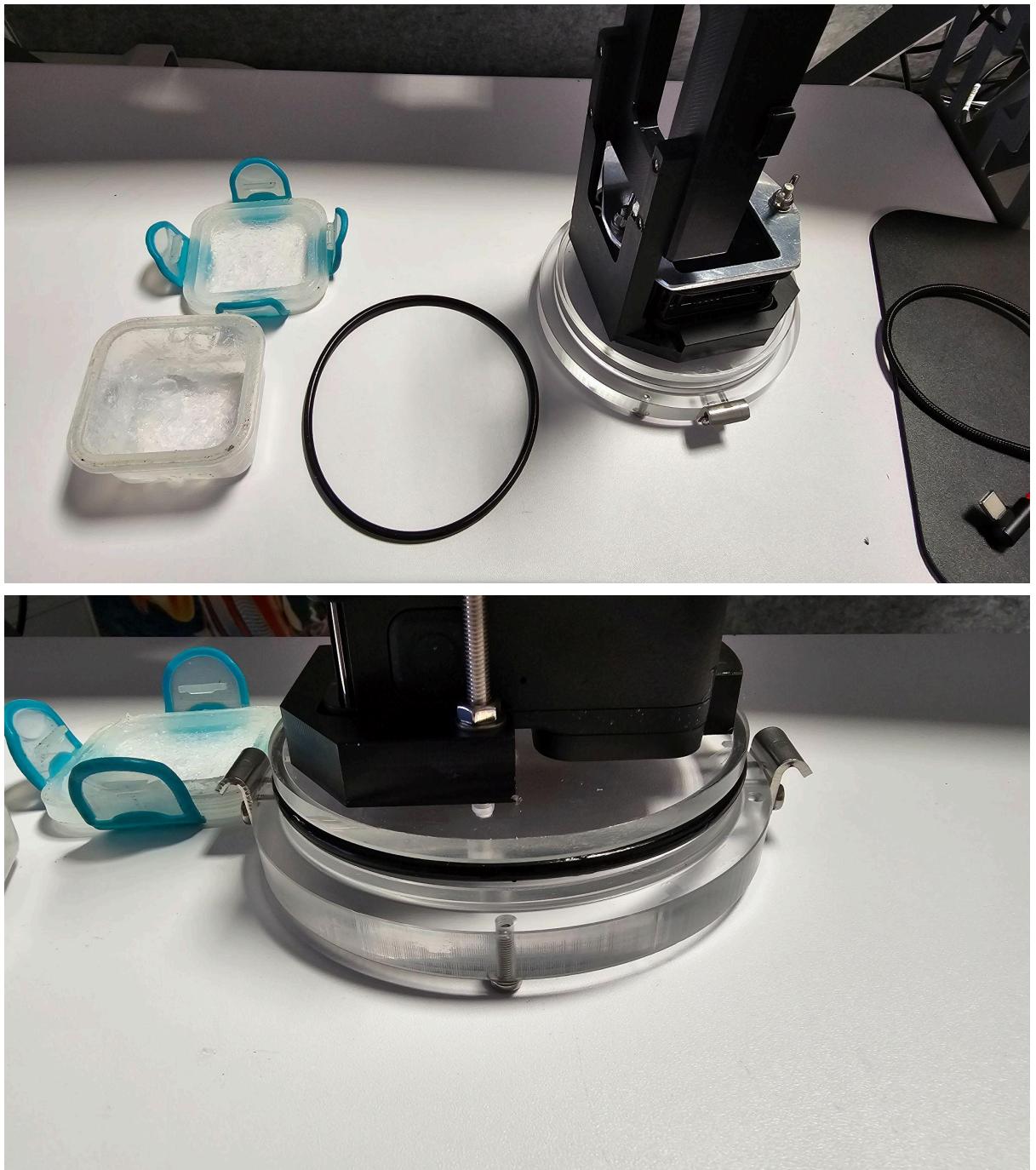
9. Insert a 90° USB-C cable into the camera and plug in a battery pack.



10. Test GoPro starts up off only the battery pack. You may need to turn on the battery pack for the camera to recognise it.



11. Place a greased o-ring around the faceplate.



12. Replace faceplate onto housing using the clips as levers to pull the faceplate into place.



13. On start up of the camera, point the lens toward the below QR code to set up the correct settings for BRUUVS. You do not need to be recording to point the camera at the QR



GoProQR :

*mVr1080p30fW0te0cNd0w45i16g0v0oV0B4D
4R1C0S1W0*

Video, 1080p, 30fps, Wide, Hypersmooth off,
Landscape lock, No auto-off, Brightness 40%,

Natural colour, 8 bit standard, 4500K, ISO max
1600