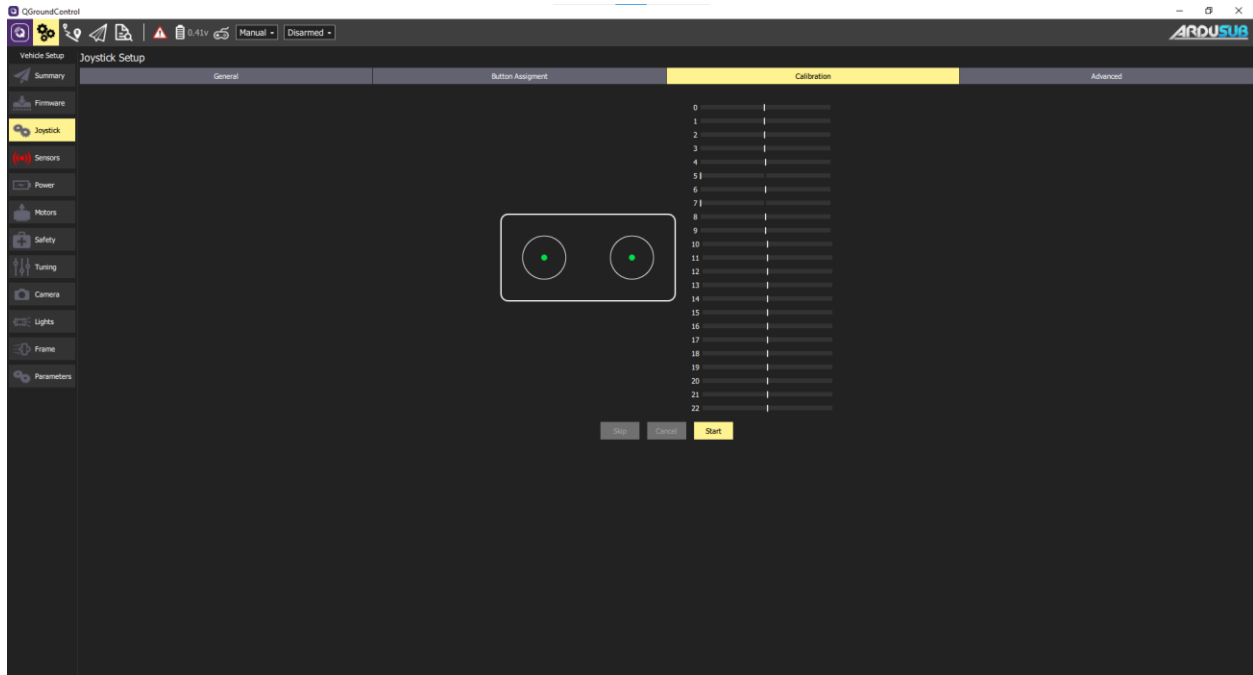


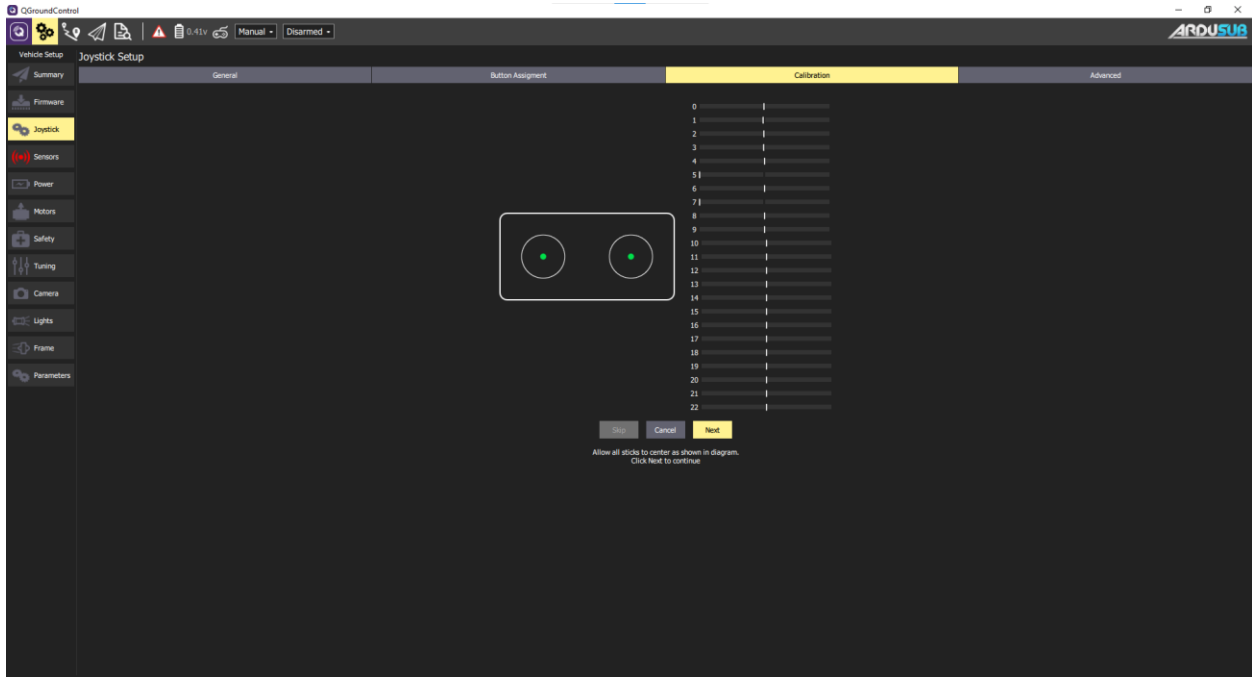
QGC was originally built for flying drone with a remote controller. Because of this, all the terminology and graphic used for calibrating the joystick can be confusing. This guide will help you calibrate the Delta ROV HCU in QGC.

Ensure the HCU is plugged in before QGC is loaded. Then click on the gear icon, select joystick and go to the calibration page. During calibration, make sure you are only moving 1 axe at a time. This is particularly hard during sideways and forward/back motions.

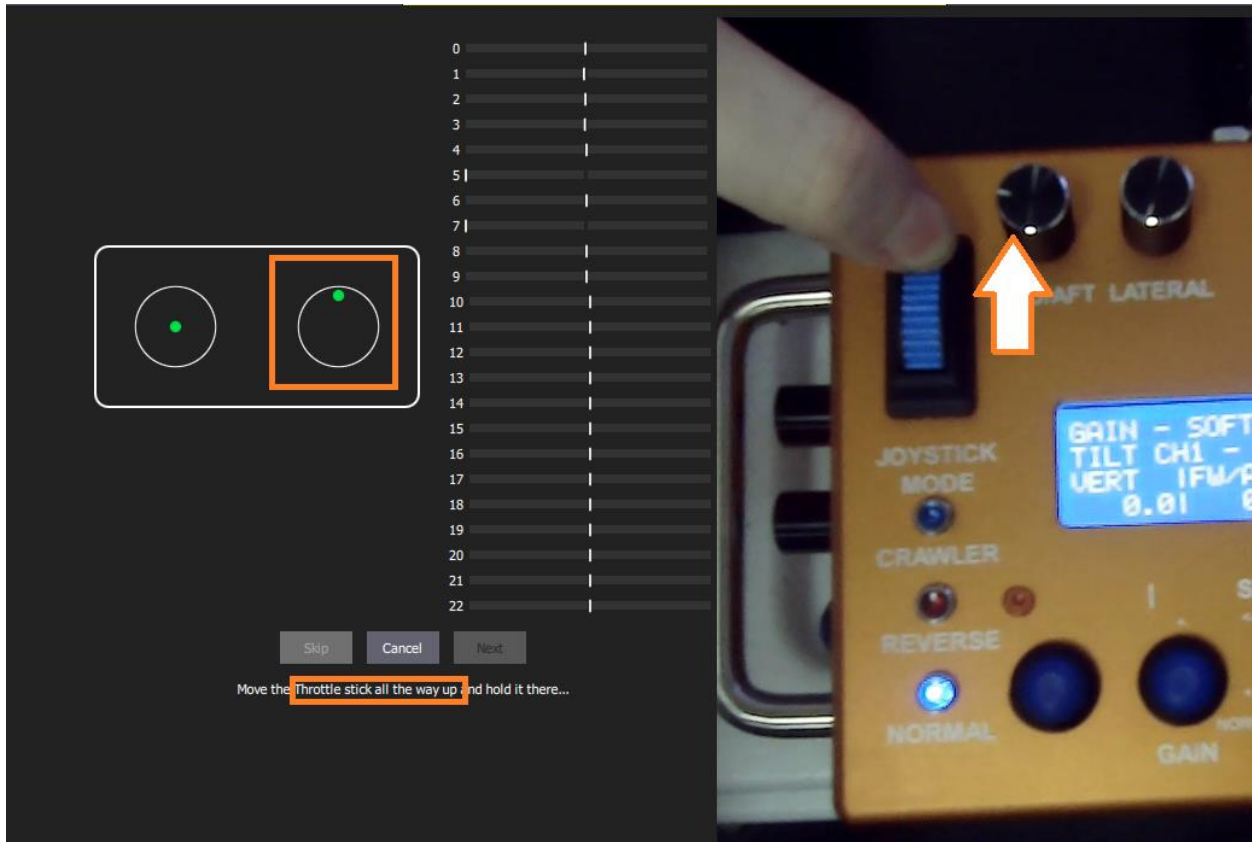
Make sure the joysticks are in the center position and click start.



Still with joysticks in the center, click next to start the calibration process.



Step 1 is vertical up



Step 2 is vertical down

The screenshot shows a calibration interface on the left and a close-up of a joystick on the right. The interface has a vertical list of numbers from 0 to 22. Below the list are three buttons: 'Skip', 'Cancel', and 'Next'. A text prompt at the bottom says 'Move the Throttle stick all the way down and hold it there...'. The joystick on the right is being held by a hand, and a white arrow with an orange outline points downwards from the top of the joystick.

Step 3 is rotate clockwise

The screenshot shows a calibration interface on the left and a close-up of a joystick on the right. The interface has a vertical list of numbers from 0 to 22. Below the list are three buttons: 'Skip', 'Cancel', and 'Next'. A text prompt at the bottom says 'Move the Yaw stick all the way to the right and hold it there...'. The joystick on the right is being held by a hand, and an orange arrow with an orange outline indicates a clockwise rotation. The text 'turn stick clockwise all the way' is written in orange over the joystick. The word 'clockwise' is written in orange at the bottom of the interface.

Step 4 is rotate counter-clockwise

0  
1  
2  
3  
4  
5 |  
6  
7 |  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

Skip Cancel Next

Move the yaw stick all the way to the left and hold it there...

counter-clockwise

turn stick counter-clockwise all the way

Step 5 is sideways right

0  
1  
2  
3  
4  
5 |  
6  
7 |  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

Skip Cancel Next

Move the Roll stick all the way to the right and hold it there...

lateral

push stick all the way to the right

Step 6 is sideways left

0  
1  
2  
3  
4  
5 |  
6  
7 |  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

Skip Cancel Next

Move the Roll stick all the way to the left and hold it there...

lateral

ROLL  
MANUAL  
STABILIZE  
DEPTH  
WATER  
DETECT

push stick all the way to the left

Dive Tm 00:00  
Pitch Gain 50%

Step 7 is forward

0  
1  
2  
3  
4  
5 |  
6  
7 |  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22

Skip Cancel Next

Move the Pitch stick all the way up and hold it there...

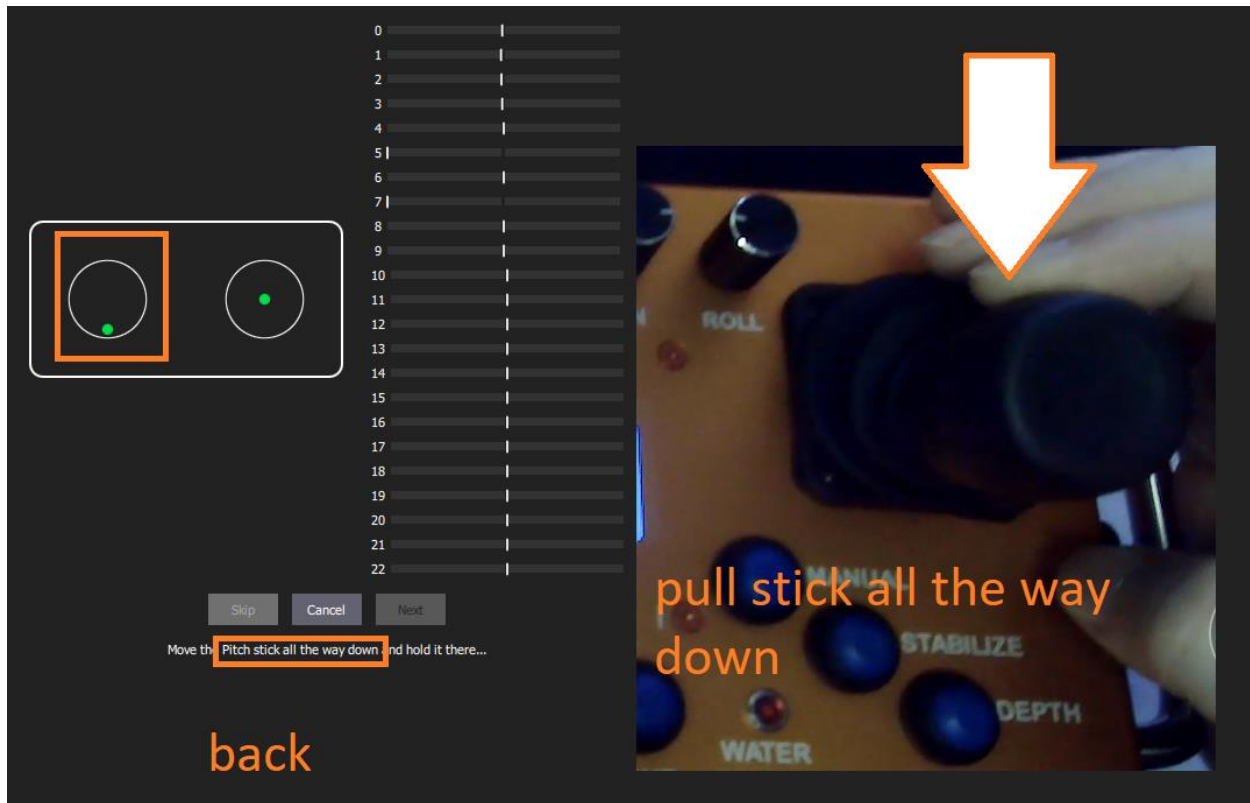
forward

ROLL  
MANUAL  
STABILIZE  
DEPTH  
WATER  
DETECT

push stick all the way up

Ground Speed 0.0  
Dive Tm 00:00  
Pitch Gain 50%

Step 8 is backward



The calibration is now complete. Sometime it stays stuck in the last step. If this happens, just wiggle the joystick a bit and it will move to the last screen below.

