EIS GAMEPAD JOYSTICK CALIBRATION PROCEDURE
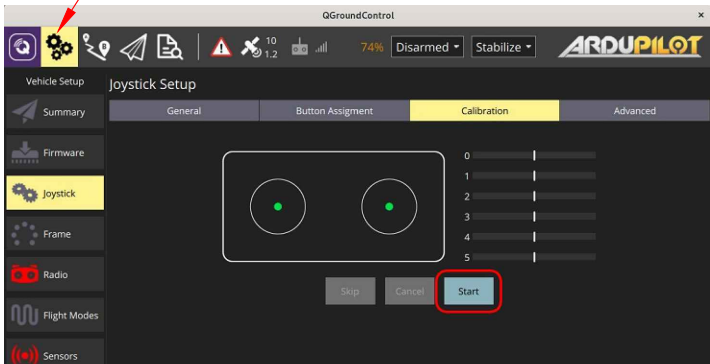
REVISION 0
11-09-23

DOCUMENT FILE NUMBER: 11D-1005-01
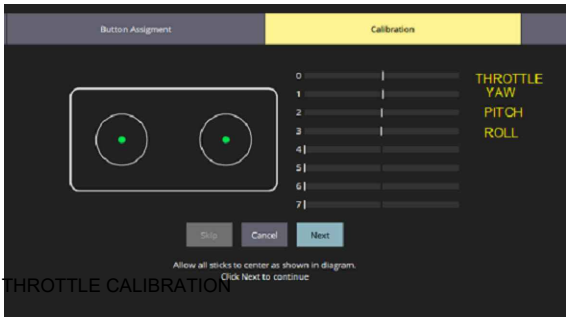
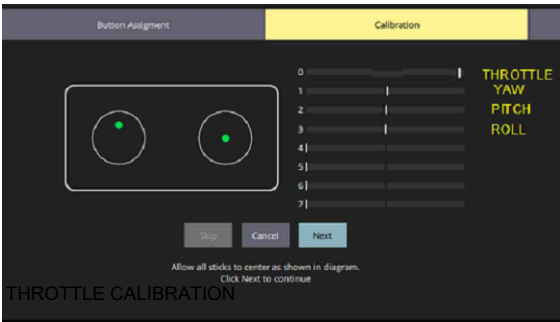DOCUMENT FILE NUMBER: 11D-1005-01

1.0 JOYSTICK CALIBRATION

OPEN QGC. CONNECT JOYSTICK TO COMPUTER USB. CLICK PARAMETERS.

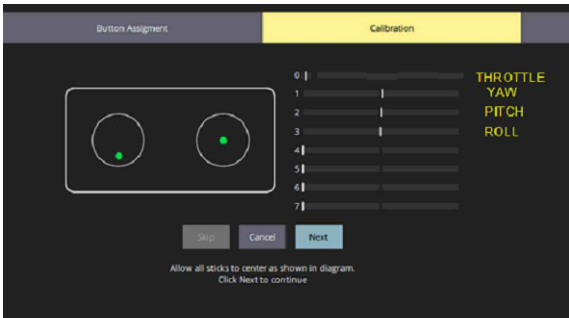WITH THE GAMEPAD CONNECTED TO YOUR LAPTOP. GO TO JOYSTICK MODE AND SELECT START.

THROTTLE CALIBRATION

ALL GREEN DOTS SHOWN SHOULD BE CENTERED WITH THE TABS CENTERED. CLICK NEXT

THROTTLE CALIBRATION

THE GREEN DOT TELLS YOU TO MOVE THE THROTTLE STICK FORWARD. MOVE THROTTLE STICK FORWARD AS SHOWN. SLIDER MOVES RIGHTFOR THROTTLE UP.
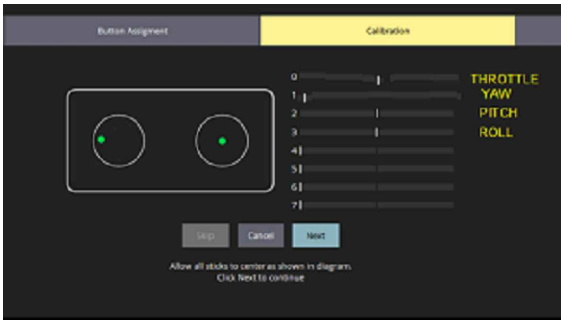

THE GREEN DOT TELLS YOU TO MOVE THE THROTTLE STICK BACKWARD. MOVE THROTTLE STICK BACKWARD AS SHOWN. SLIDER MOVES LEFT FOR THROTTLE DOWN.
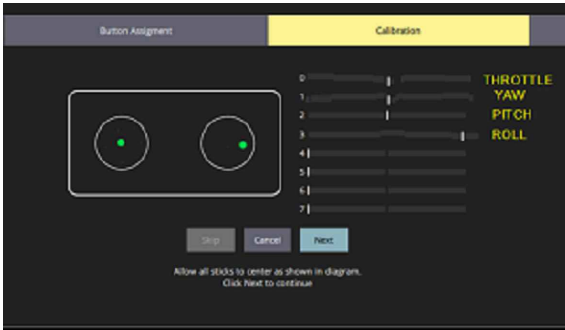
YAW CALIBRATION:

THE GREEN DOT TELLS YOU TO MOVE THE YAW STICK TO THE RIGHT. MOVE YAW STICK RIGHT AS SHOWN. WHITE SLIDER MOVES RIGHT.

YAW CALIBRATION:
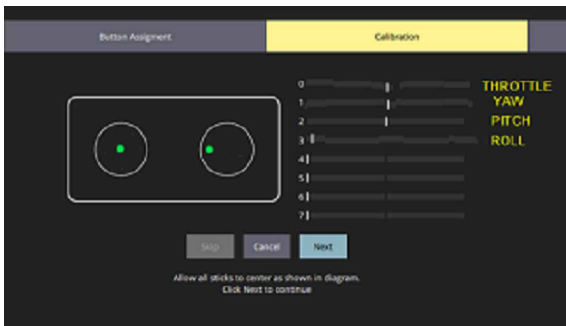

THE GREEN DOT TELLS YOU TO MOVE THE YAW STICK TO THE LEFT. MOVE YAW STICK LEFT AS SHOWN. WHITE SLIDER MOVES LEFT.
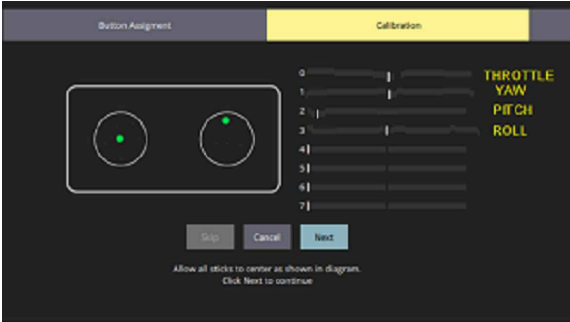
ROLL CALIBRATION:

THE GREEN DOT TELLS YOU TO MOVE THE ROLL STICK TO THE RIGHT. MOVE ROLL STICK RIGHT AS SHOWN. WHITE SLIDER MOVES RIGHT.

ROLL CALIBRATION:

THE GREEN DOT TELLS YOU TO MOVE THE ROLL STICK TO THE LEFT. MOVE ROLL STICK LEFT AS SHOWN. WHITE SLIDER MOVES LEFT.

PITCH CALIBRATION REVERSE MODE:

NOTE:
THE GREEN DOT TELLS YOU TO MOVE THE PITCH STICK FORWARD.
MOVE PITCH STICK IN THE OPPOSITE DIRECTION AS SHOWN.

PITCH CALIBRATION REVERSE MODE:

NOTE:
THE GREEN DOT TELLS YOU TO MOVE THE PITCH STICK BACKWARDS . MOVE
PITCH STICK IN THE OPPOSITE DIRECTION AS SHOWN
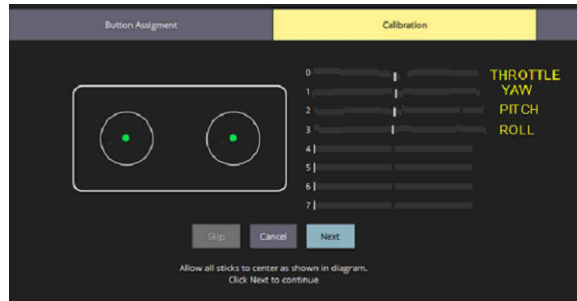
ALLOW ALL STICKS TO CENTER. THE GREEN DOTS AND CENTER TABS SHOULD
ALL BE CENTERED. CLICK NEXT. THIS CONCLUDES THE CALIBRATION PROCESS.
FOR THE JOYSTICK MODE. DO A PRELIMINARY FLIGHT TEST OFF DRONE TO
ENSURE THE JOYSTICKS IN RELATION TO THE MOVEMENT OF THE DRONE IS
CORRECT.

1.1 BUTTON MODE ASSIGNMENT

GO TO BUTTON ASSIGNMENT SHOWN. ALL BUTTONS ON THE
GAMEPAD PANEL SHOULD CORRESPOND ACCORDINGLY TO THE
SOFTWARE PANEL SHOWN WHEN THE BUTTONS AND TOGGLE
SWITCH ARE PRESSED.

AUX2

DISARM
SET TAB TO DISARM
(TOGGLE SWITCH)

AUX3

LAND
SET TAB TO
LAND

AUX1
SET TAB TO
ALTITUDE
HOLD

AUX4

LOITER SET TAB TO
LOITER

ARM
SET TAB TO ARM
(TOGGLE SWITCH)

Joystick Setup

Summary								
Firmware	General		Button Assigment		Calibration			

Assigning the same action to multiple buttons requires the press of all those buttons for the action to be taken. This is useful to prevent accidental button presses for critical actions like Arm or Emergency Stop.

0	No Action ▾	☐ Repeat	1	Toggle Arm ▾	☐ Repeat	2	No Action ▾	☐ Repeat	3	No Action ▾	☐ Repeat

Joystick
Frame
Radio
Flight Modes
Sensors
Power
Motors

0	No Action	1	Toggle Arm	2	No Action	3	No Action
4	No Action	5	No Action	6	No Action	7	No Action
8	No Action	9	No Action	10	No Action	11	No Action
12	No Action	13	No Action	14	No Action	15	No Action
16	No Action	17	No Action	18	No Action	19	No Action
20	No Action	21	No Action	22	No Action	23	No Action
24	No Action	25	No Action	26	No Action	27	No Action
28	No Action	29	No Action	30	No Action	31	No Action
32	No Action	33	No Action	34	No Action	35	No Action
36	No Action	37	No Action	38	No Action	39	No Action