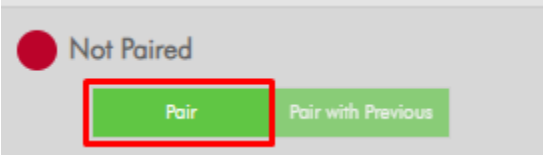
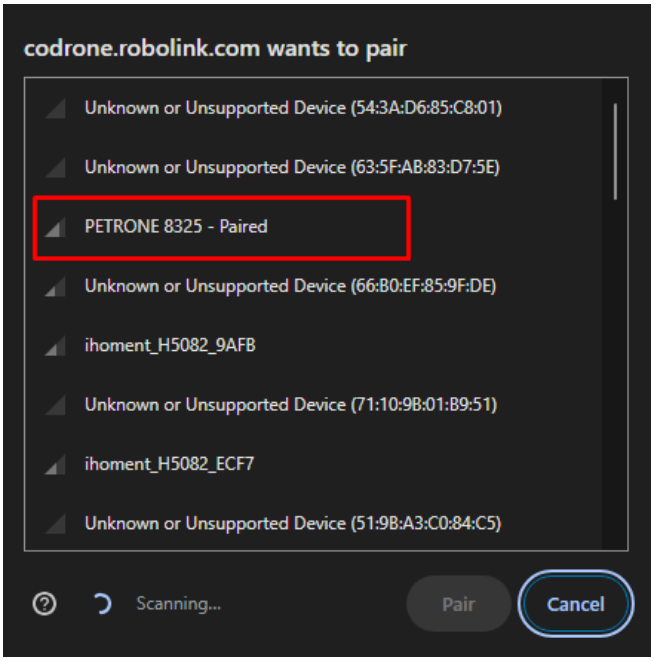
# Drone Reality Advanced Workshop Walkthrough

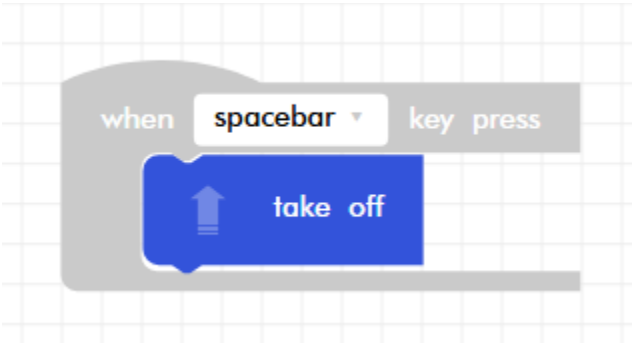
1. Visit https://codrone.robolink.com/pro/blockly/
2. Insert the battery into the drone
3. Click the pair button to open a menu listing nearby Bluetooth devices



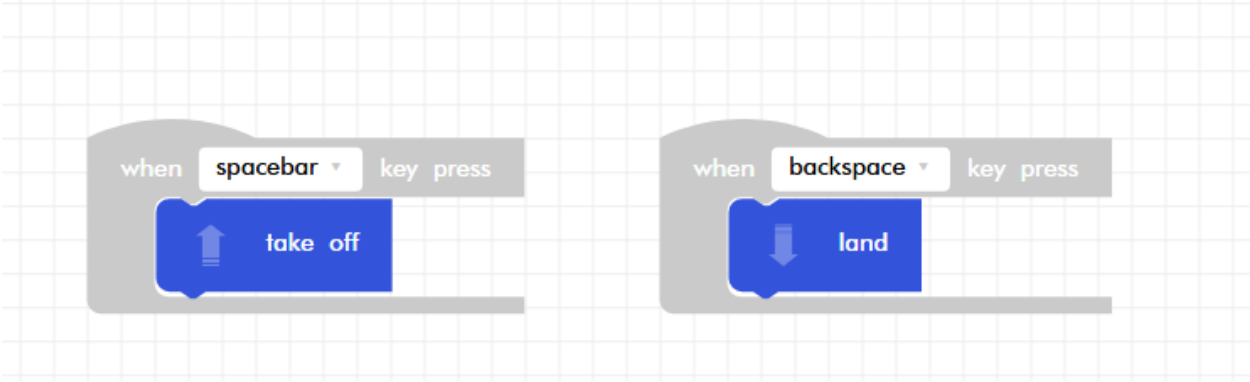

4. Find and connect to the Petrone device



5. Click on the Keyboard Input section
6. Drag out the “when key press” block and change the dropdown to spacebar
7. Click Flight Commands
8. Drag out the “take off” block into the key press block

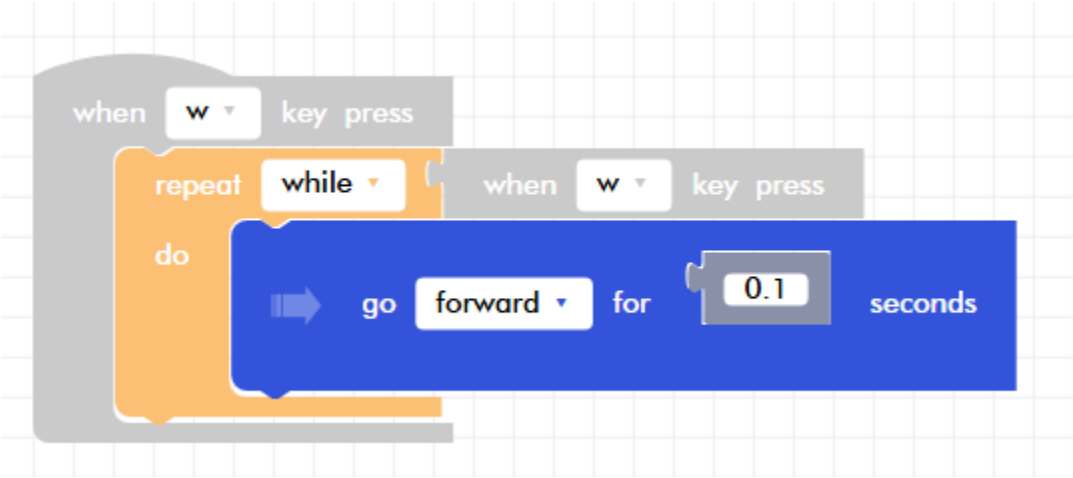



9. Click on the gray key press block and press CTRL C and CTRL V to duplicate the block
10. Change spacebar to backspace and delete the “take off” command
11. Click Flight Commands, and drag the “land” block into the backspace key press block



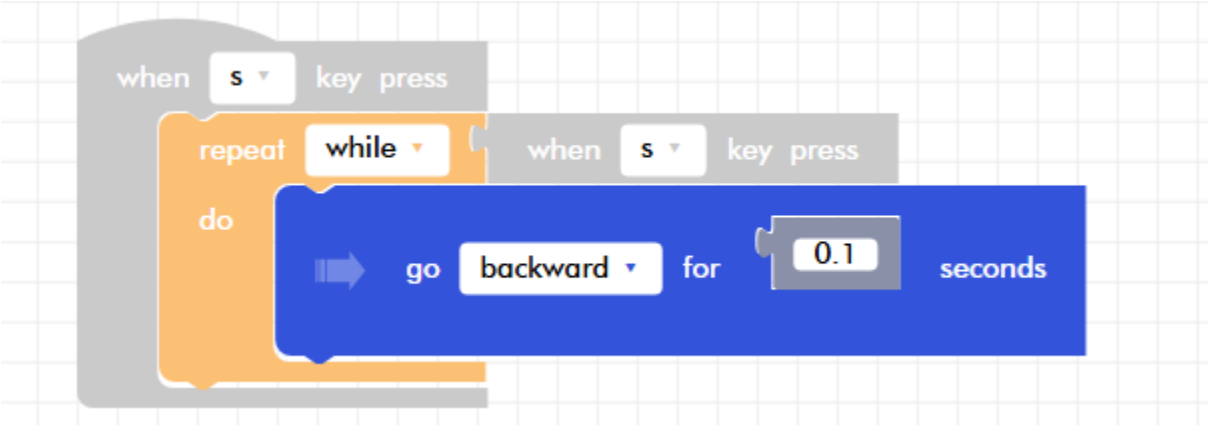

12. Once again copy and paste the key press block
13. Change the dropdown to the “w” key, and delete the command inside
14. Click on the loops section, and drag the “repeat while do” block into the w key press block
15. Now, click on the Keyboard Input section, and drag the smaller “when key press” block into the “repeat while do” block

16. To complete the block, drag in a “go forward” block from Flight Commands, and change the time to 0.1 seconds. The block should look like this:




17. Now, we need to add movement in the 5 other directions. Click the key press block, then press CTRL and C once, then CTRL and V five times to make five copies of the block

18. Once the blocks are spread out, change the keys on one of them to “s” and the action to “go backward”




19. On a different block, change the key to “a”, and the action to “go left” for moving left
20. Then, change the key of another block to “d”, and the action to “go right” for moving right
21. With the two remaining blocks, change the key of one to “e” and the key of the other to “q”
22. On the “e” block, change the action to go up, and on the “q” block, change the action to go down

23. The code should look like this


24. Run the code and control the drone using the keyboard!