

# CoDrone Mini Rokit Brick

ENG

The logo for Rokit Brick, featuring the word "ROKIT" in a black, sans-serif font above the word "BRICK" in a larger, multi-colored font (blue, red, green, yellow).

**ROKIT<sup>®</sup>**  
**BRICK**

The text "for codrone MINI" where "for" is in a black, lowercase sans-serif font, "codrone" is in a black, lowercase sans-serif font with the "c" in red, and "MINI" is in a smaller, black, uppercase sans-serif font.

for **codrone** MINI




**Controlling CoDrone Mini with Rokit Brick**

# **Introduction**





# 1. Enter coding mode from PC

## Drone Simulator & Rokit Brick

|  |   |
|--|---|
| <p>1</p>  <p>Connect the USB cable to your PC</p>   | <p>2</p>  <p>Connect the cable (micro 5 pin) to the controller port</p>  |
| <p>3</p>  <p>Check the COM PORT number in Device Manager - Port<br/>(COM PORT numbers may vary from PC to PC)</p> | <p>4</p>  <p>Occasionally, a bad 'Micro 5 pin' may prevent 'COM PORT number' from appearing.<br/>(In this case, please replace Cable.)</p> |

! - Windows 10 : The UBB driver will be installed automatically  
- Windows 7,8 : UBB drivers must be installed manually  
※ The name of the device manager may be marked 'STM32 virtual COMport'

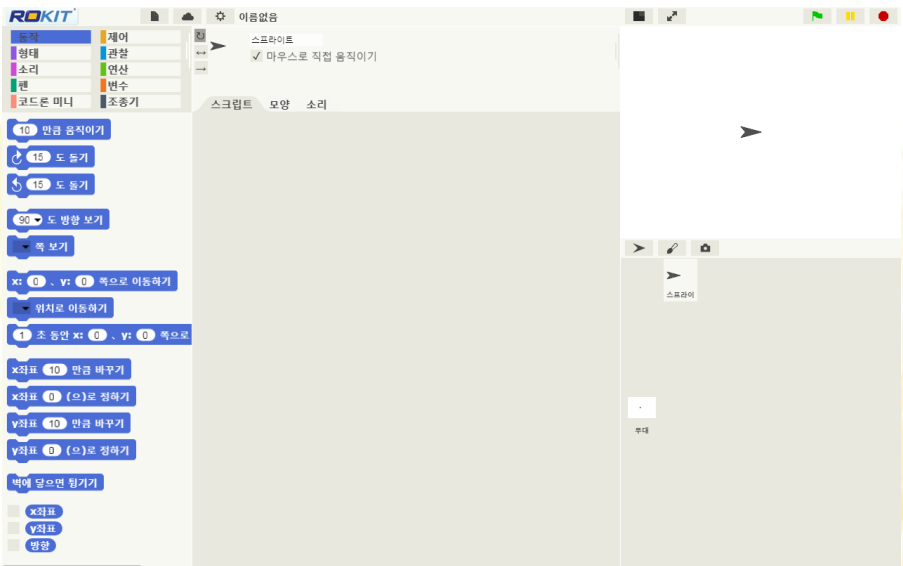
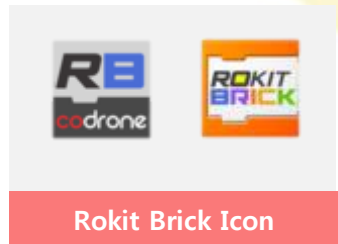
|   |  |
|---|--|
| <p>5</p>  <p>Put a battery in the drone, turn on the power, and connect the controller to the drone.</p> | <p>6</p>  <p>With Rokit brick coding, you can get the drone flying as much as you want.</p> |
|---|--|

## 2. What's the 'Rokit Brick'

Rokit Brick is based on "Snap" and has existing Scratch programs such as robots, drones and others.

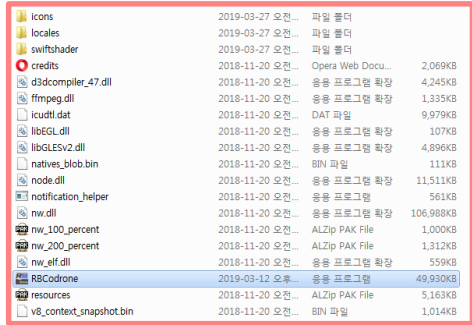
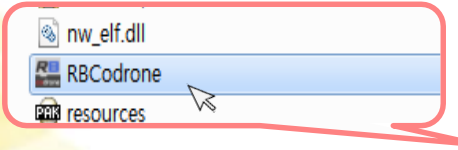
Scratched SW developed by combining various control functions. The method used is almost the same as Scratch.

HWs such as 'Rokit Smart Series' and 'CoDrone' can be controlled in Scratch format.

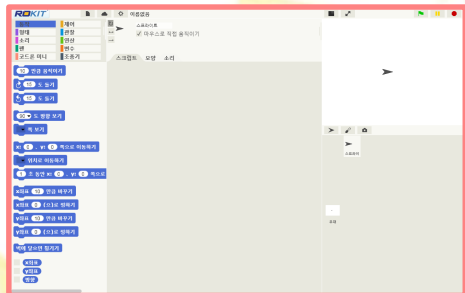


### 3. Run the 'Rokit Brick for CoDrone'

(1) Run 'RBCodrone.exe' in the installation path of 'Rokit Brick for CoDrone'



(2) When the program is running, Run 'Rokit Brick' with the '< >' Button on the left screen



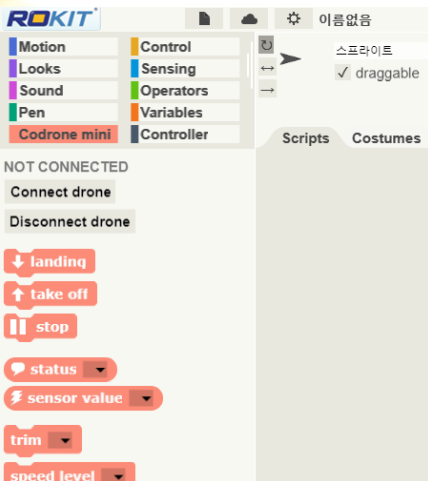
(3) 'Rokit Brick' runs normally, as shown in the image on the right

## 4. Connection between Rokit Brick and CoDrone

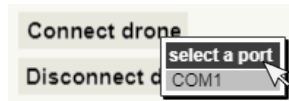
If you have connected your PC and remote control, please make sure your **USB drive** is installed successfully.

After installing the drive and verifying the **COM number**, run **Rokit Brick for Codrone** (RBCodrone, Rokit Brick CoDrone).

Click **Codrone mini** on the bottom left palette to see the drone control blocks and check the two buttons



Connect the controller to the PC, then press the 'Connect to drone' button to connect the PC and the drone.



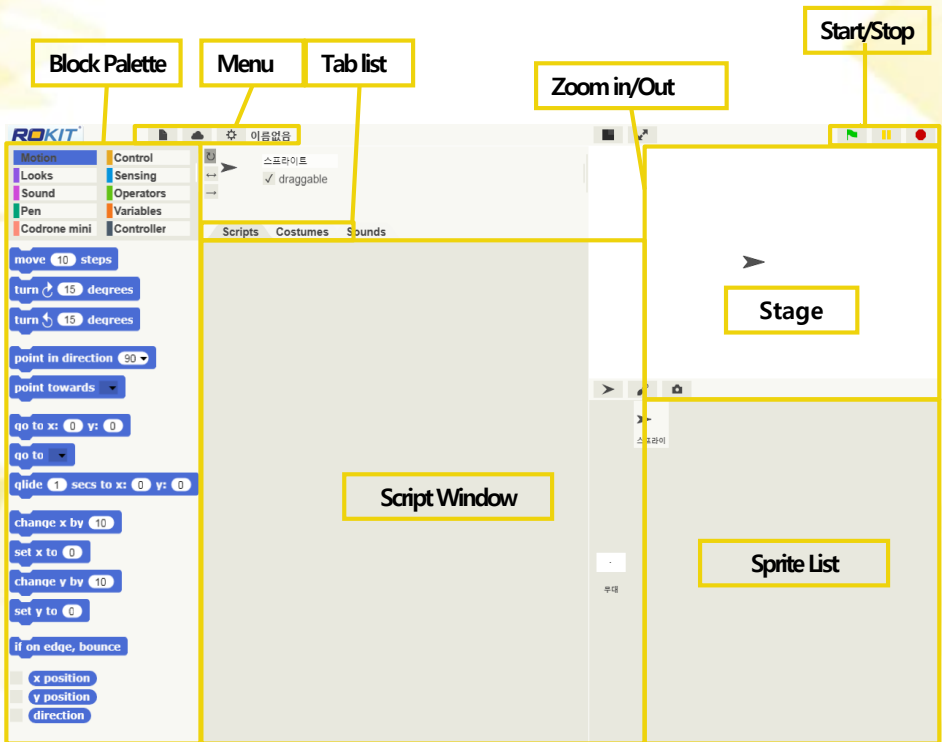
Even if the drone is turned off by removing the battery during use, there is no need to disconnect the drone, and it is automatically connected when the drone is switched back on.

### CAUTION !

- Before pressing the **Connect to Drone** button, the drones and controllers must be paired!
- If you have too many ports to connect to, check **Device Manager**.

# 5. Screen configuration for Rokit Brick

The basic menu and screen layout is similar to 'Scratches in MIT'



**Control CoDrone with motion block**

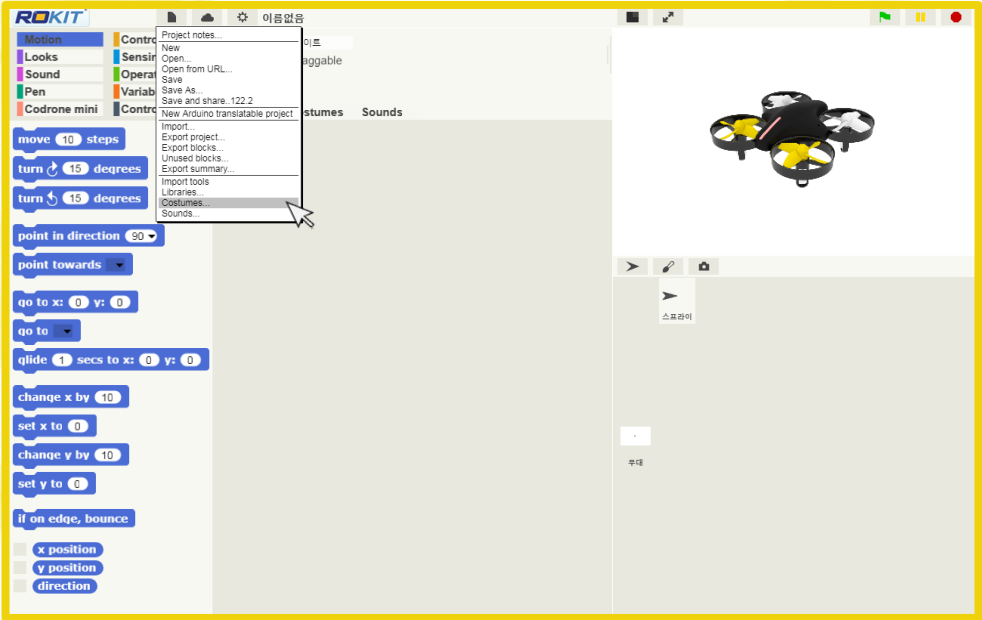
# **CoDrone Block Description**



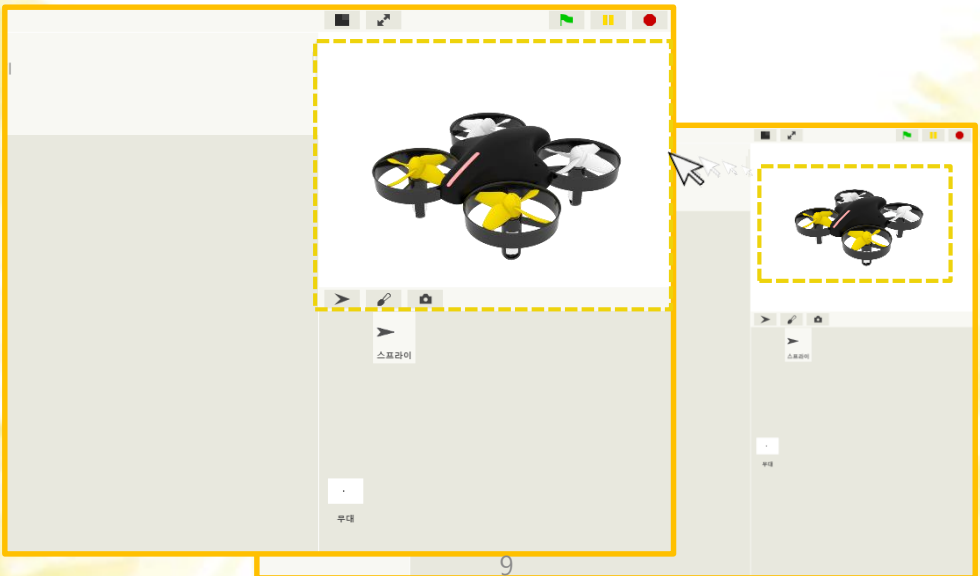


# 1. Import Image

From the menu, you can get the desired image using the 'look tab'



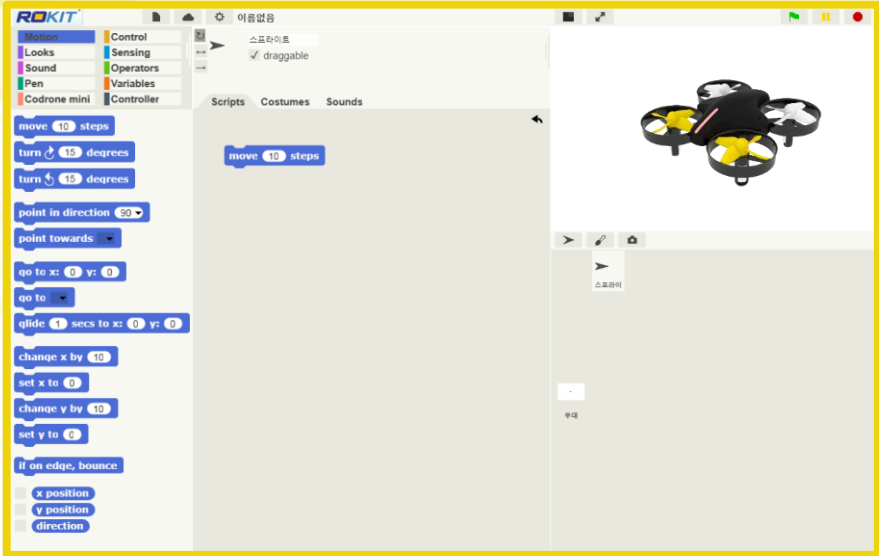
You can resize the stage by dragging the "boundary line" with the mouse.



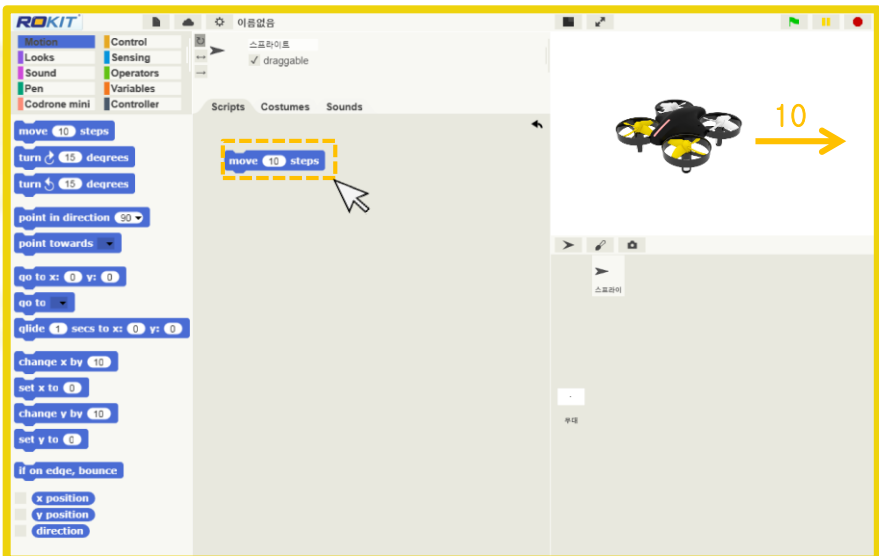
## 2. Example of moving sprites

1) Move drone sprite (Go straight to CoDrone)

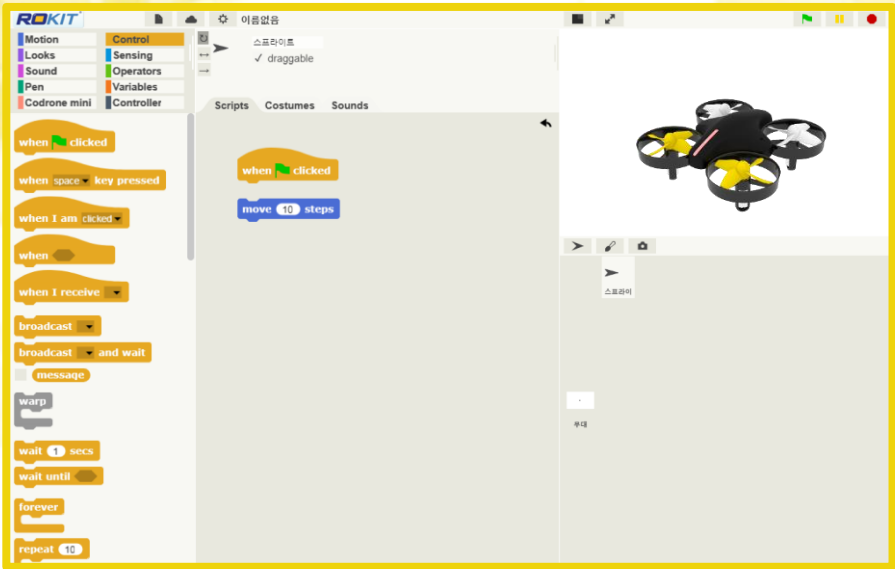
Import **move 10 steps** from the motion block group to the script screen.



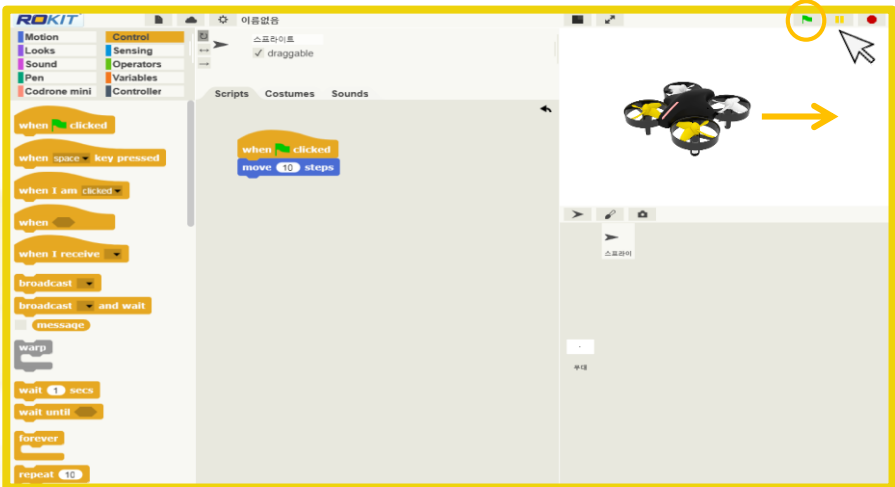
Each time the mouse clicks on the block on the script screen, the drone moves forward by as much as 10.



You can see it right away by clicking on the mouse, and it's usually in the control block group. You start driving using **when clicked** or **when space key pressed**



Connect Block **when clicked** to **move 10 steps**, and click on the green flag to move.

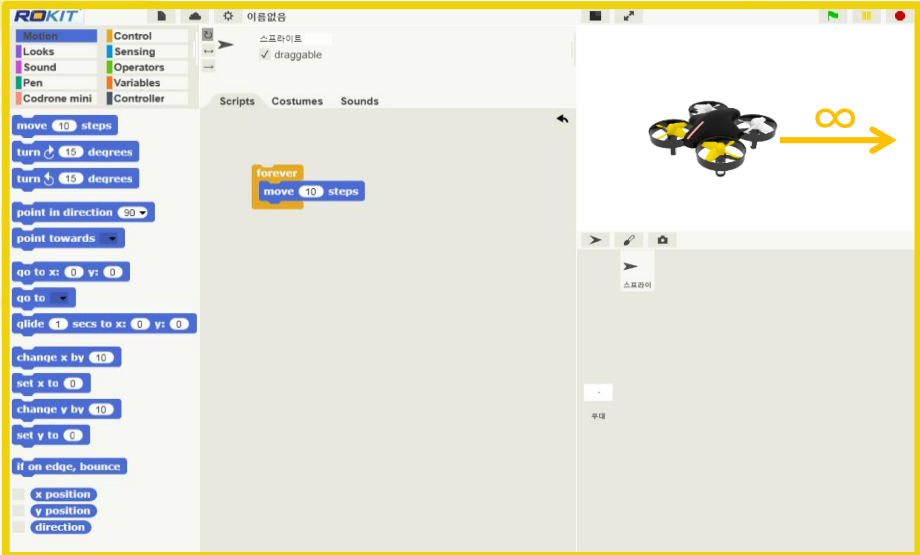


### Drone Homeward Movement

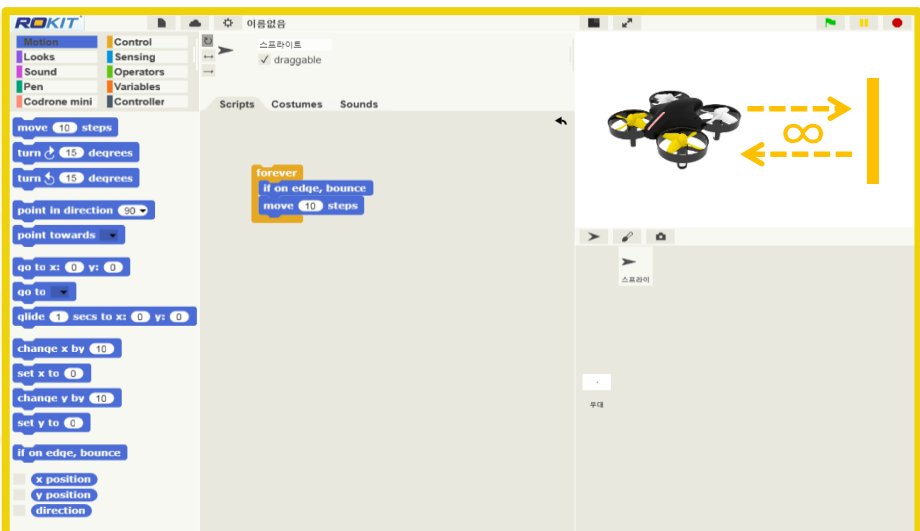
If the drone disappears to the point where it cannot be seen, then it's on the **Motion** tab [Move to x:0, y:0] Click on block **go to x: 0 y: 0** to start the home position return to

## 2) Move drones (move drones continuously)

Connect the infinite repeat block in the control block group to **10** 만큼 움직이기  
A. To drive. To travel to where the drone is not seen as a click.



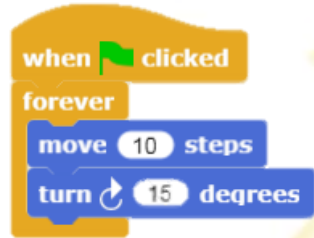
To have the drone repeat bouncing on the wall without disappearing out of the screen: Use Block **if on edge, bounce**



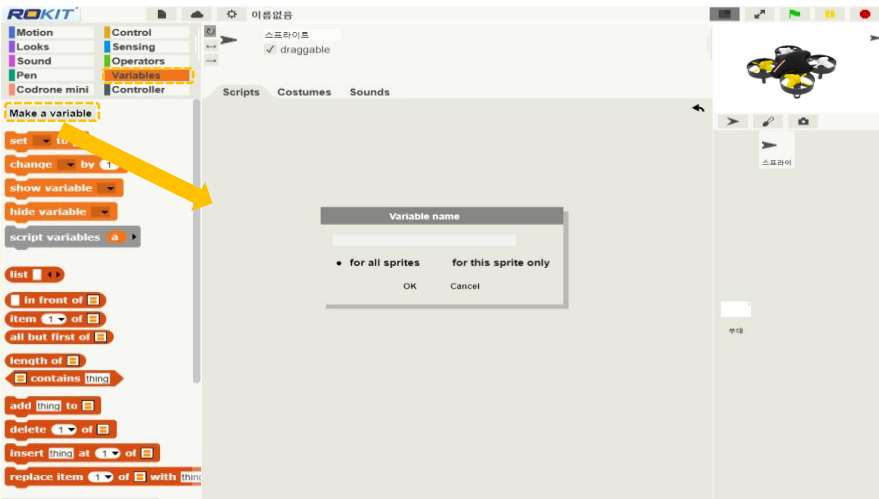


#### 4) Move Drones (Use variables)

Let's create a program that only "repeats three times" the following movements, rather than "no uniform." Try to minimize the number of blocks used.



Create a variable to change the movement value of the block. Variable block group In , press the Create Variables button and create a variable named A.

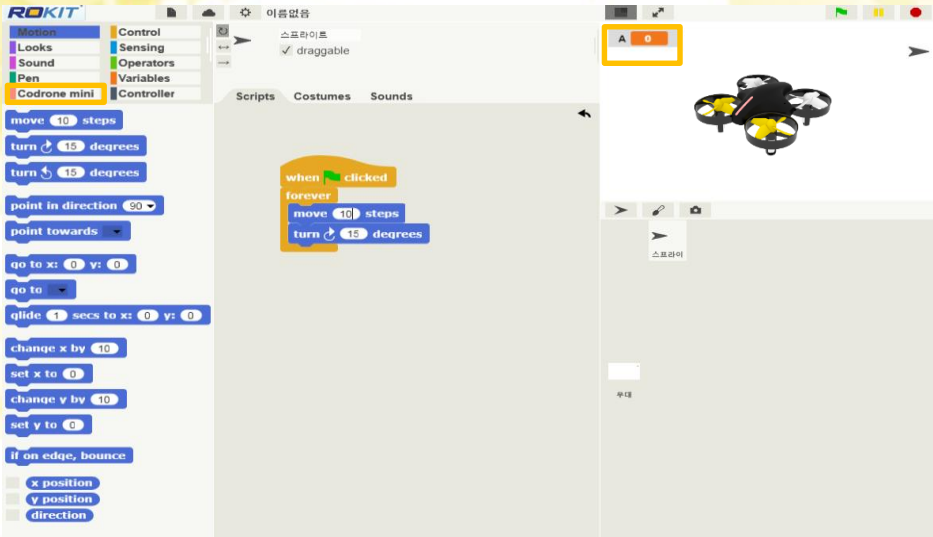


#### Variable?

A variable, especially one used a lot in a program, is a non-numeric character that creates space for storing numbers and allows you to put the desired number at any time.

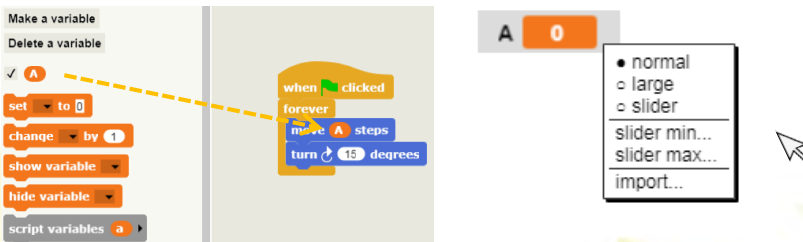
e.g. A = 5, Value = 0

Creating a variable named A creates a variable block group as shown below and creates a variable on the stage.



Drag the A-parameter block created on the left to the part where you want to change it.

Right-click the variable that appears on the stage to select the slider.



And after you've run the stage, you can move the A variable slider on the stage with your mouse, and you can change the variable in real time. You can see that the rotating radius of the drone has become larger and smaller as the value changes.

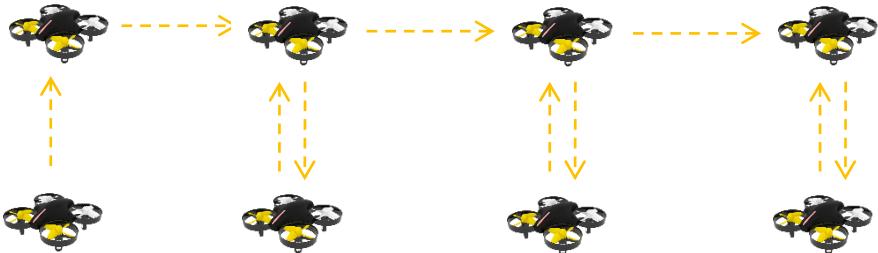


### 3. Move drones (take-off and landing)

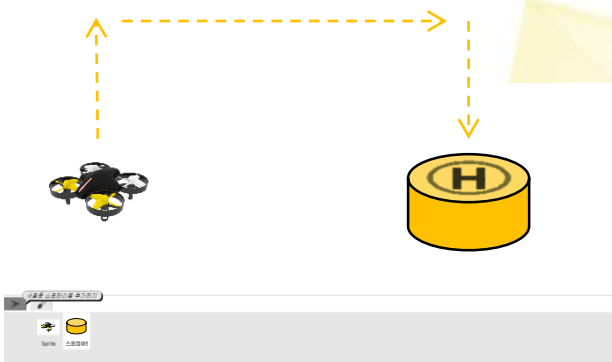
- 1) Create a "Drone moves back and forth motion reflecting the wall" and make a variable. Use to adjust the "moving speed."



- 2) Let's create a program that only "repeats three times" the following movements, rather than "no uniform." Try to minimize the number of blocks used.



- 3) After creating a landing site through the addition of a new sprite, Implementing the drone landing at the landing site in a variety of ways








To control CoDrone with motion blocks

# CoDrone Block Description






To control a CoDrone with an operating blocks of motion



# 1.CoDrone Mini Block Description:Motion Block

|   |   |
|---|---|
|  | All flight movements of the drones start with this block. |
|  | Drone landings.   |
|  | Drones Stop Motion  |

※ The control block value below has a value between -100 and 100 and the output (%)

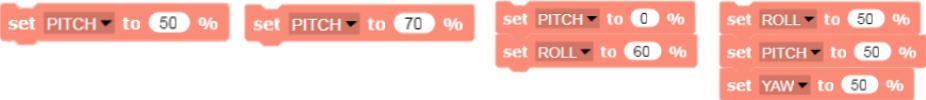
|   |  |
|---|--|
|    | Up/down (altitude) vertical movement             |
|    | Left turn, right turn                            |
|   | Forward and backward (forward/backward) movement |
|  | Left-hand, right-hand movement                   |
|  | Used to change multiple values at the same time  |

# 1.CoDrone Mini Block Description:Motion Block

Connecting a board from the CoDrone tab results in CoDrone blocks that can control the CoDrone.



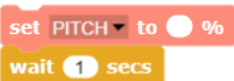
If the drone doesn't stop at a strange direction, press the **stop** button at any time to stop the motion.



If multiple blocks are difficult to use over time, you can change several values at the same time to one block below. Values left blank without input are considered zero.



And when you add a waiting block (delay block), the specified control value is maintained for a specified period of time before the next block is operated.



: With the pitch value set to 50%, it remains intact regardless of the wait block below (no trailing blocks)



: Set pitch to 50% and continue for 2 seconds before the drone stops working

# 1.CoDrone Mini Block Description:Motion Block

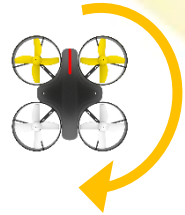
set THROTTLE ▾ to 50 %



throttle : Vertical Move Up and Down

Rise+

set YAW ▾ to 50 %



yaw : Turn left, move right.

Turn right+

set PITCH ▾ to 50 %



pitch : Forward, Reverse Movement

Forward+

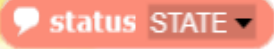




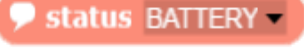




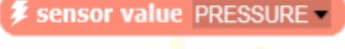
set ROLL ▾ to 50 %








roll : Left, right, right.

Rightward movement +

## 2. CoDrone mini-block description – drone information and sensor block

|   |   |
|---|---|
|    | Shows the flight status of the drones. (atmospheric/landing/take-off/flight, etc.)                              |
|    | Shows what direction the drone's flight is based on. (Headless / Normal)  |
|    | Shows the value of the fine adjustment for the pitch.   |
|    | Shows the fine adjustment value for the roll.   |
|    | Shows the current status of the drone according to the angle measuring sensor. (Normal / Start Flipping / Flip) |
|    | Shows the remaining battery percentage of the drone.  |
|    | Shows how much the drone's gas is tilted from side to side.   |
|  | Shows how much the drone's gas is tilted up and down.   |
|  | Shows how the drone's fuselage rotates left and right.  |
|  | Shows the internal temperature of the drone.  |
|  | Shows the air pressure measured by the drone.   |

### 3. CoDrone Mini-block description – fine-tuning block

|   |   |
|---|---|
|  | Hovering, drone moving backwards.<br>Click to adjust. |
|  | Hovering, drone moving forwards.<br>Click to adjust.  |
|  | Hovering, drone moving left.<br>Click to adjust.      |
|  | Hovering, drone moving right.<br>Click to adjust.     |
|  | Resets fine adjustment values.<br>(back to 0)         |

### 3. CoDrone Mini-block description – fine-tuning block

#### Mastering the Hovering

What is hovering? A movement of floating in the air, maintaining a constant height and fixed position, which is the basis for all drone movements. For autonomous flights to work well, the hovering motion should be learnt first.

#### Steps for Correct Hovering

(a) take off



(b) make sure the drone does not move in any direction.



- When the drone goes to the left
- When the drone goes to the right
- When the drone runs back
- When the drone goes forward

trim PITCH INCREASE ▾

trim PITCH DECREASE ▾

trim ROLL INCREASE ▾

trim ROLL DECREASE ▾

COM30 SPD:3 P:30 R:30



Connect drone

Disconnect drone

Fine-tuned values are CoDrone Mini-control Appears on the block palette.

P: pitch value R: roll value

## 4. CoDrone mini-block description – speed level adjustment and dexterity

|   |  |
|---|--|
|  | Determines the level of drone speed. <ul style="list-style-type: none"><li>- Level 1: Low speed control</li><li>- Level 2: Medium Speed Control</li><li>- Level3: Maximum speed control.</li></ul> |
|  | Demonstrating dexterity (dumbling) Block (forward / back / right / left)   |



The speed level values are displayed on the CoDrone Mini Control Block palette (SPD).







### TIP

**Equal pitch value for speed level 1 and 3  
Even if it's 50 it's a big difference in speed.  
If you want to control it at dynamic speed, you need to  
set the speed level at 3.  
If you want a safe speed, you can control it by 1.**



## 5. CoDrone Mini Block Description

### – LED Control Block

|  |   |
|--|---|
|   | Turns off the drone's LED.                        |
|   | Turns on the drone's LED in the specified color.  |
|   | Blinks the drone's LED to assigned colors.        |
|   | Flashes the drone's LED twice.                    |
|   | Dims the drone's LED.                             |
|   | Brightens the drone's LED.                        |
|  | Turns on the drone's LED, and then slowly dim it. |

## Controlling CoDrone Mini with Rokit Brick

# Example of CoDrone Mini Lab

Make sure to check the items below before practicing CoDrone.

- 1) Check the hover status.
- 2) Check the gas mode.
- 3) Clear the angle value of the block to zero.



# 1. Example of flying CoDrone Mini-spaces

The CoDrone Mini-tab has drone / yaw / pitch / roll / dexterity. There are several drone control blocks to operate. Let's combine these and existing scratch blocks to code your own drones.

Example of a green flag button popping up in the air for a while and then stopping (take it by hand)

Five seconds  
After take off

Landing



① Take-off

5 Sec



③ Landing



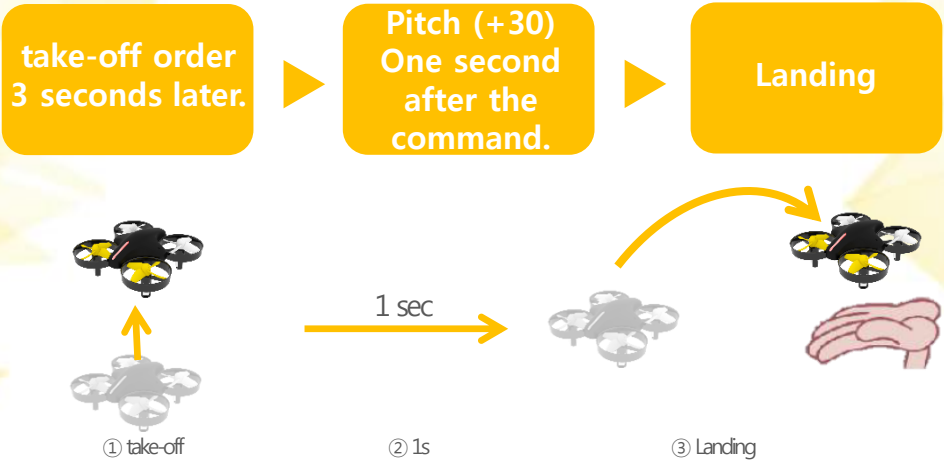
Spacebar: Emergency  
Landing Key

## TIP

Wait five seconds after the take-off block, meaning after the drone has received the take-off order.

## 2. Example of Mini-movement of a CoDrone with Rokit Brick.

An example of a green flag button that pops up in the air for a while and lands in the hand.



```
when  clicked
  ↑ take off
  wait 3 secs
  set PITCH to 30 %
  wait 1 secs
  ↓ landing
```

```
when space key pressed
  stop
```

### TIP

Even with the same 30% pitch output, the speed of the drones may vary depending on the speed level setting.

### 3. Example of Mini-movement of a CoDrone with Rokit Brick.

When you click on the green flag button, the drone takes off, moves forward, and then moves on.  
I want you to fly sideways (left)



① take-off



② Pitch (forward) 1.5 sec



③ Roll( Left movement) 1.5 sec



④ Landing

when clicked

↑ take off

wait 3 secs

set PITCH to 50 %

wait 1.5 secs

set PITCH to 0 %

set ROLL to -50 %

wait 1.5 secs

set ROLL to 0 %

↓ landing

when space key pressed

|| stop

1.5 s movement in forward direction (pitch)

Clear the forward direction output (pitch) to zero

Move left (-roll) for 1.5 seconds.

Clear left-hand output (roll) to zero

\* Different time or pitch output values can be used to adjust the travel distance.

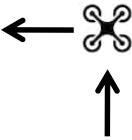
## FAQ

In the example above, before changing the direction of movement of the drone to the left, why did you clear the value of the forward direction to zero?

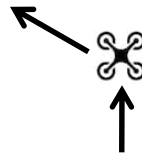
Advance if not cleared to zero when turning like this (peach)

The velocity of the direction is still left, so we give it a left-hand roll value to the left.

As you move, you move diagonally. Therefore, the forward speed must be zero.



If the pitch value is cleared to zero

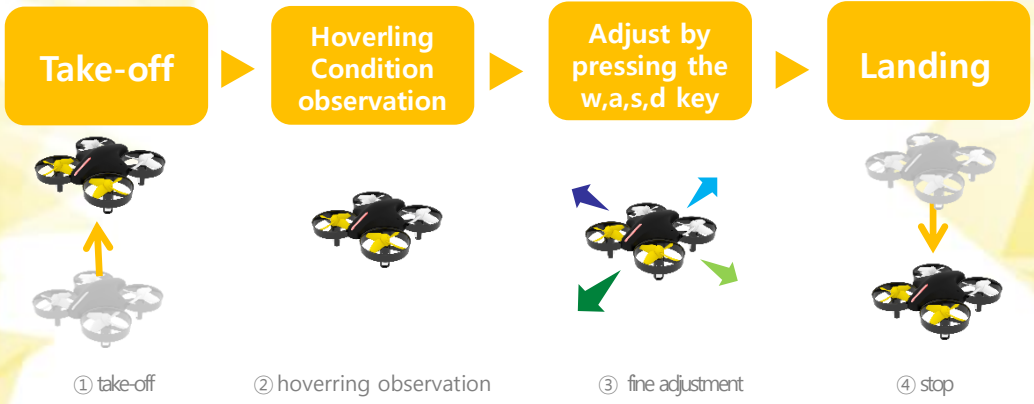


If the pitch value has not been cleared to zero

# 4. Example of Mini-movement of a CoDrone with Rokit Brick.

Adjusting the hover condition of the drone (fine tuning exercise)

For precise control using coding, after the drone takes off and is in place, wait and make sure that it does not move in any direction as much as possible. Use the fine-tuning blocks to adjust the hover.



```
when clicked
  take off
```

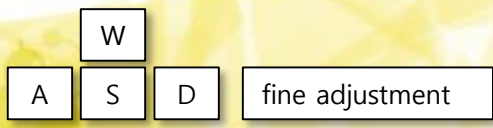
```
when space key pressed
  stop
```

```
when w key pressed
  trim PITCH INCREASE

when a key pressed
  trim ROLL INCREASE

when s key pressed
  trim PITCH DECREASE

when d key pressed
  trim ROLL DECREASE
```



# 5. Example of flying CoDrone acrobatics

Example of flying and landing in a circle, right after CoDrone take-off



① take-off



② Rotary Flight 4 repetitions



③ Landing

```
when s key pressed
  ↑ take off
  wait 5 secs
  repeat 4
    set THROTTLE to 0 %
    set YAW to -100 %
    set PITCH to 100 %
  wait 2 secs
  ↓ landing
```

```
when space key pressed
  || stop
```

Changing the yaw value and the deviation value at the same time  
> Make it rotate in a circle



## 6. LED Animation Example

Control the LEDs in a drone for different color and animation effects

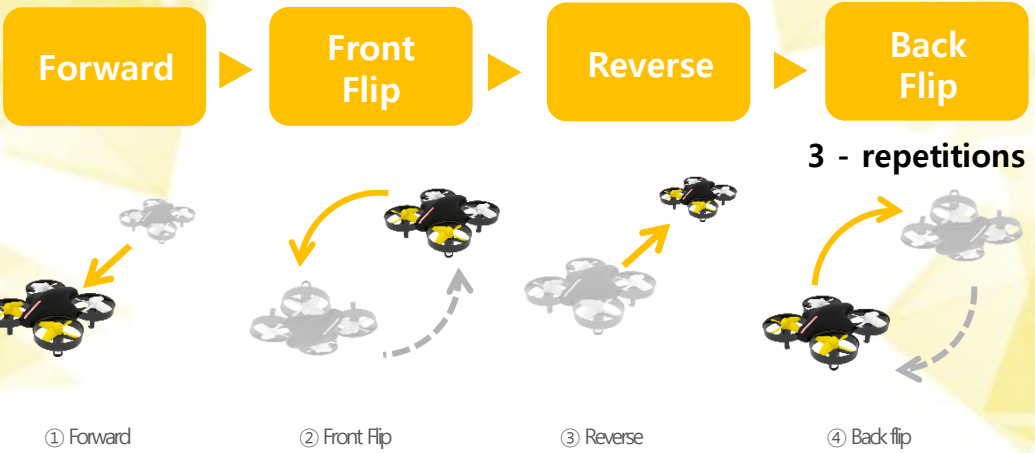
Example of slowly turning on and off, changing colors at intervals of 2 seconds



```
when green flag clicked
  forever loop
    light color cyan mode DIMMING
    wait 2 secs
    light color blue mode DIMMING
    wait 2 secs
    light color red mode DIMMING
    wait 2 secs
    light color magenta mode DIMMING
    wait 2 secs
    light color yellow mode DIMMING
    wait 2 secs
```

# 7. to Queen during the flight to (Dumping)

A drone that takes off goes back and forth and does a trick-or-treating in the air.



```

when green flag clicked
  take off
  wait 5 secs
  repeat 3
    set PITCH to 40 %
    wait 2 secs
    set PITCH to 0 %
    wait 2 secs
    flight event FLIP FRONT
    wait 2 secs
    set PITCH to -40 %
    wait 2 secs
    set PITCH to 0 %
    flight event FLIP REAR
    wait 2 secs
  landing
  
```

```

when space key pressed
  stop
  
```

Forward at 40% power for 2 Seconds

Exceeding week + requires waiting time (set to 2 seconds)

Reverse to 40% output for 2 seconds

Exceeding week + requires waiting time (set to 2 seconds)

## 8. Example of receiving CoDrone sensor values – Attitude control values

Example of receiving and utilizing control values related to CoDrone Mini's posture

### 1) Receiving the position control value of the CoDrone Mini

```
forever
  set roll to sensor value ROLL
  set pitch to sensor value PITCH
  set yaw to sensor value YAW
```

The magnetic field on the bottom of the CoDrone. If there is an object that stands out, The YAW angle is continuous. There can be a growing and decreasing phenomenon.

### 2) Receive the attitude control value of the CoDrone and rotate the sprites.



Before coding, I'd like to put the sprite on it. Upload CoDrone Image It should.

### 3) Receiving the attitude control value of the CoDrone

```
forever
  set roll to sensor value ROLL
  set pitch to sensor value PITCH
  set yaw to sensor value YAW
  point in direction yaw - 90
```

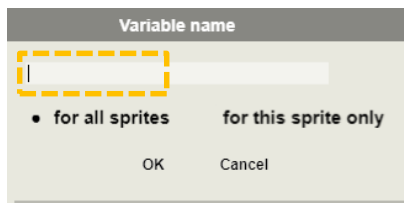
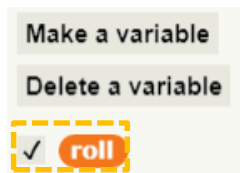
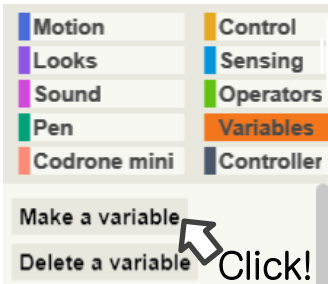
Depending on the sensor state of the CoDrone, The angle you need to subtract from the YAW, It can be different.

## TIP

### Create Variable Block

To use a variable, you must create a variable block.

Click on Variables tab > Create Variables Block > Enter variable name > Create variable block



# 9. Receiving CoDrone Sensor Value Example – Receiving Battery Value and Drone Status

Examples of receiving battery values and the state of a drone

## 1) Receiving Codrone Mini's battery value



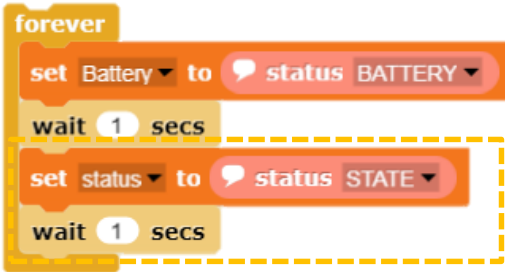
On the Variables tab before coding

The battery value variable you want to save:

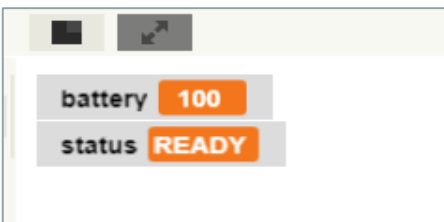
You must create a new one.



## 2) Controlling CoDrone Mini with Rokit Brick



We're receiving battery values, and we're going to use a variety of blocks to check the flight status. You can check it.



Variables printed on canvas

## Controlling CoDrone Mini with Rokit Brick

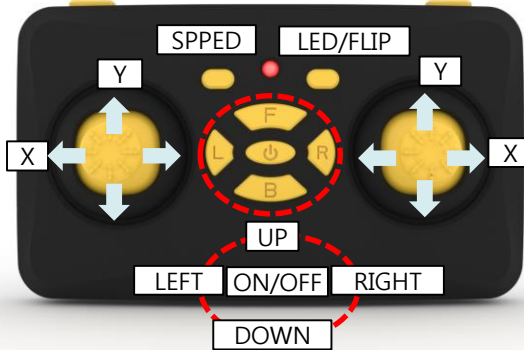
# Manipulate

### Using the Controller

Use the controller buttons or joysticks to create a script that performs interesting actions.



Controller Block: Appears by clicking on the Controller tab on the palette.



**button status**

- Button status notification :
- UP: No button on the controller is pressed
  - PRESS: One of the controller's buttons is pressed
  - DOWN: One of the controller's buttons is just being pressed.

**button input**

Tells which buttons are pressed (see figure above)

left joystick

VALUE X  
VALUE Y  
DIRECTION  
EVENT

Left / Right joystick status indication

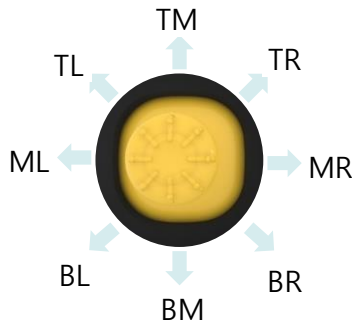
-X-axis direction change from -100 to +100  
( - : Left, + : Right)

-Y-axis direction change from -100 to +100  
(+ : Up, - : Down)

Direction: The direction (position) of the joystick towards is abbreviated as shown below.

Reminders

Event : Detects and displays the direction of the joystick changing  
(IN/OUT/STAY)



Controller color change block:

Change the LED color of the controller. Block to change the color of the drone as shown below.

Set the same LED color for the controller and the drone when used in conjunction with .I can do it.

controller light ■ turn ON ▼

controller light ■ turn ON ▼

wait 0.5 secs

controller light ■ turn ON ▼

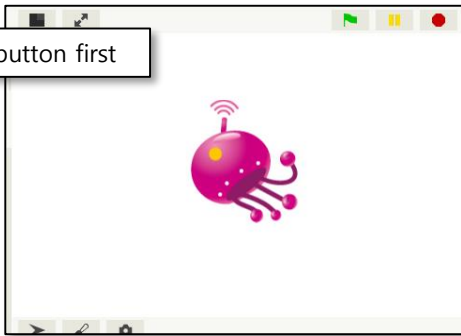




# 1. Move the sprite with the directional key of the controller

```
when clicked
  forever
    if button input = PRESS
    if button input = UP
      change y by 1
    if button input = DOWN
      change x by -1
    if button input = LEFT
      change y by -1
    if button input = RIGHT
      change x by 1
```

Confirm the button first



Click on the button > Appearance > click on the rollink > Select harry\_1

# 2. Take-off: R1 Button, L1 Button: Landing H Button: Return to Origin



R1



L1



H

```

when button input = PRESS
  forever
    if button input = L1
      landing
      wait 1 secs
    if button input = R1
      take off
      wait 1 secs
    if button input = H
      stop
      wait 1 secs
  
```

Start the script when the controller's button is pressed

Check which button is pressed

```

when space key pressed
  stop
  
```

### 3. Create a drone virtual-control exercise program with the controller

- Left joystick Y-axis: Drone sprite. take-off or landing control
- Left joystick X-axis: Drone sprite. left and right rotation
- Right joystick X-axis: Drone sprite. left and right parallel shift
- Right joystick Y-axis: Drone sprite. back and forth movement



Sprite is click > Shap > Click on rollink > select codron2\_up

### A Create Right Joystick Partial Script (Pre-Left and Left)

```

when I receive RJOYSTICK
  forever
    if right joystick DIRECTION = TM
      change y by 1
    if right joystick DIRECTION = BM
      change y by -1
    if right joystick DIRECTION = MR
      change x by 1
    if right joystick DIRECTION = ML
      change x by -1
  
```

**B** Create left joystick partial script (take-off and left-hand rotation)

```
when I receive LJOYSTICK
  forever
    if left joystick DIRECTION = TM
      if size < 100
        change size by 1
    if left joystick DIRECTION = BM
      if size > 20
        change size by 1
    if left joystick DIRECTION = MR
      turn 1 degrees
    if left joystick DIRECTION = ML
      turn 1 degrees
```

To make a sprite smaller or larger.  
The effect of the drone rising or falling

**C** Create a startup script

```
when clicked
  point in direction 90
  go to x: 0 y: 0
  set size to 50 %
  broadcast LJOYSTICK
  broadcast RJOYSTICK
```

```
when space key pressed
  stop
```

Adjusting sprit size and orientation Zeroed

Left / Right Joystick Script  
Runs at the same time

## D Full Screen

```

when button input = PRESS
  forever
    if button input = L1
      ↓ landing
      wait 1 secs
    if button input = R1
      ↑ take off
      wait 1 secs
    if button input = L2
      || stop
      wait 1 secs

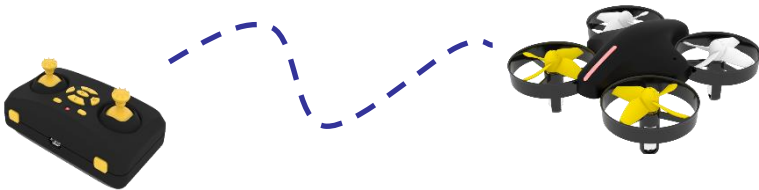
when I receive RJOYSTICK
  forever
    if right joystick DIRECTION = TM
      change y by 1
    if right joystick DIRECTION = BM
      change y by 1
    if right joystick DIRECTION = DM
      change x by 1
    if right joystick DIRECTION = DM
      change x by 1
    if right joystick DIRECTION = DM
      change x by 1
    if right joystick DIRECTION = DM
      change x by 1

when I receive LJOYSTICK
  forever
    if left joystick DIRECTION = TM
      change size by 1
    if left joystick DIRECTION = BM
      change size by 1
    if left joystick DIRECTION = MR
      turn 1 degrees
    if left joystick DIRECTION = ML
      turn 1 degrees

when clicked
  point in direction 90
  go to x: 0 y: 0
  set size to 50 %
  broadcast LJOYSTICK
  broadcast RJOYSTICK

when space key pressed
  stop
  
```

### 4. Write a script to control a drone like RC mode with the controller



## A Create a script to adjust the value of the Euler angle with the left and right joysticks

```

when I receive GOGO
  forever
    set THROTTLE to left joystick VALUE Y %
    set YAW to left joystick VALUE X %
    set PITCH to right joystick VALUE Y %
    set ROLL to right joystick VALUE X %
  
```

X: throttle

Y: yaw

X: pitch

Y: roll

**B****To write a script for 'landing' and 'take-off function buttons'**

when **button status** = PRESS and **button input** = L1

↓ landing

wait 2 secs

stop all

Script is executed when the controller's button is pressed

**L1 Button** : All Euler values are set to zero before landing.

when **button status** = PRESS and **button input** = R1

↑ take off

wait 2 secs

broadcast GOGO

**R1 button** : After takeoff, adjust the oiler angle and run the script, (Joystick-controlled)

### TIP

When L1 is pressed (landed) the roll/ pitch/yow/roll value is set to zero because the Euler values that were previously executed during the next run can affect the flight.

If it doesn't clear up to zero, when it lands and takes off again, The remaining values may cause the drone to fly in an unintended direction.

**Controlling CoDrone Mini with Rokit Brick**

# Appendix

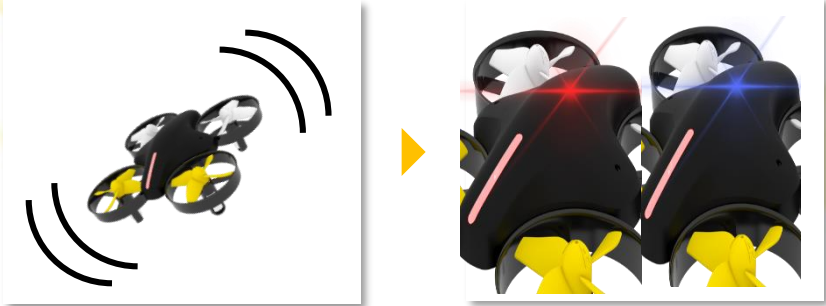


# Appendix 1 – Pairing

Pairing means connecting the drone and the controller with the same communication settings. Pairing allows only two devices to communicate without interference from other devices.

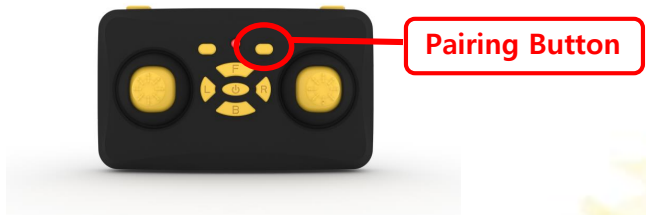
Pairing may be disabled during use, or a drone or controller must be purchased and used with the existing device.

To pair, shake the drone five to six times as shown in the picture below.



When the drone is ready for pairing, the LED on the top of the drone is red and blue.

It flashes as it repeats. Press the pairing button on the controller as shown below.



Now we can control the drones with the controls.

- You only need to perform the first pairing once. (Pairing will be maintained)
- If it doesn't work, try again from the beginning.
- Depending on the environment, it may not be paired in a single attempt.
- The drones and controls must be up-to-date

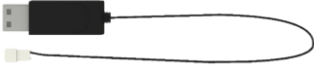

## Appendix 2 – Charge drone battery

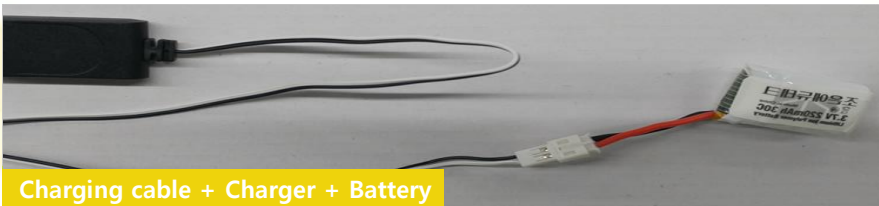
With the drone connected, check the remaining battery indication, such as the controller

If charging is required, the battery must be charged using the specified battery charger.

(See image below)

When the battery is connected, the LED on the charger illuminates and turns off when the charge is complete.

|   |   |
|---|---|
|  |    |
| <b>Charger</b>  | <b>Battery</b>  |
| <b>Drone Battery Specifications</b>   | <ul style="list-style-type: none"><li>- <b>Voltage</b> : 3.7V</li><li>- <b>Capacity</b> : 220mAh</li><li>- <b>Time of use</b> : About 8 minutes</li><li>- <b>Charging time</b> : About 30 minutes</li></ul> |



Charging cable + Charger + Battery



Charger + smartphone adapter

PC USB Port + Charging Cable





[www.RobolinkSW.com](http://www.RobolinkSW.com)

[Youtube.com/CoDrone](https://www.youtube.com/CoDrone)

- Download manuals and programs from online sites, Please check educational materials.
  - 'Robolink SW / Arduino' is provided as an open source
- 