

# Case 10: Boating

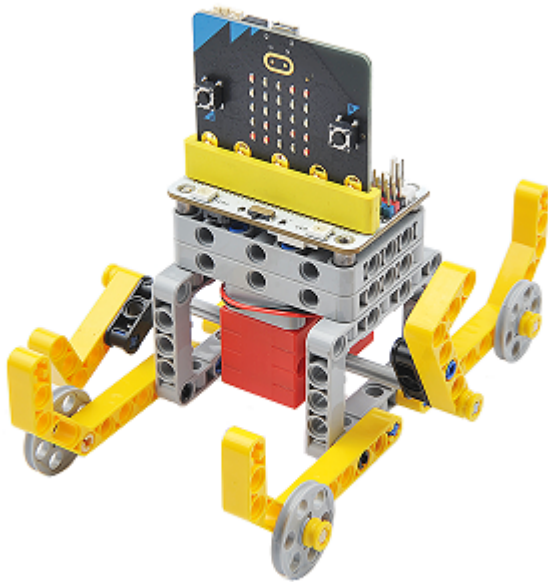
## Contents

- [12.1. Purpose](#)
- [12.2. Link](#)
- [12.3. Materials Required](#)
- [12.4. Bricks build-up](#)
- [12.5. Hardware Connection](#)
- [12.6. Software Platform](#)
- [12.7. Coding](#)

## 12.1. Purpose

---

To make a boating car.



## 12.2. Link

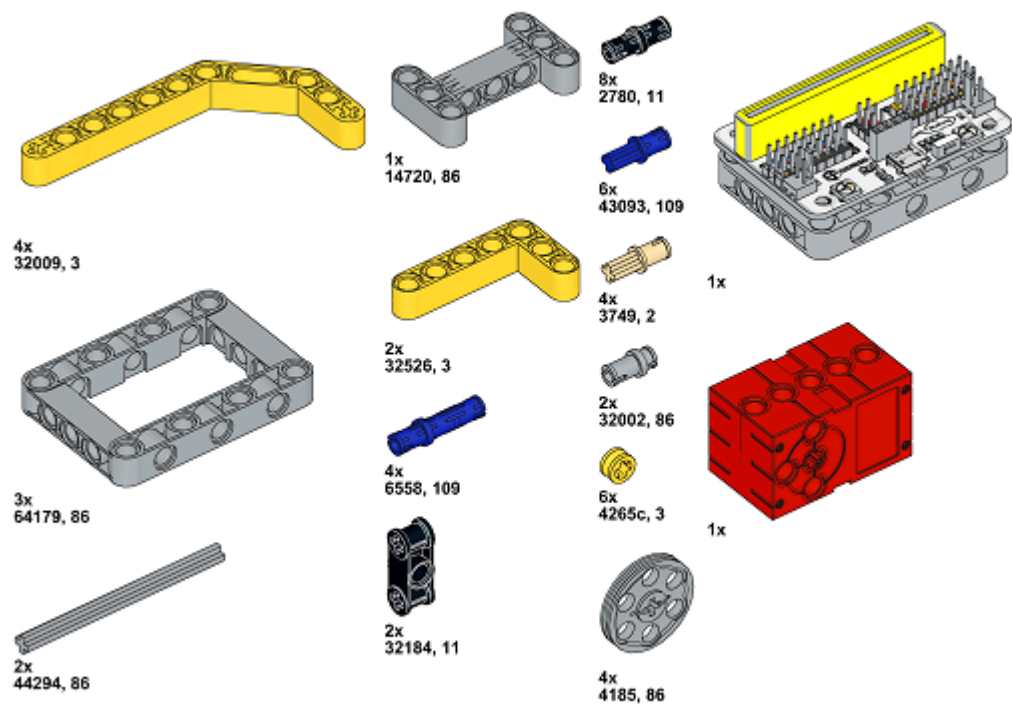
---

[micro:bit Wonder Building Kit](#)

## 12.3. Materials Required

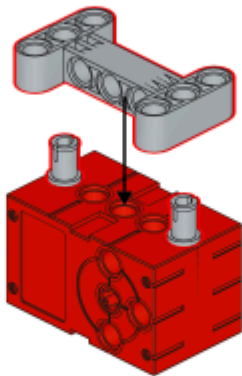
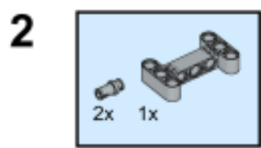
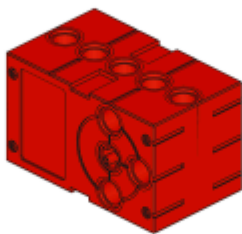
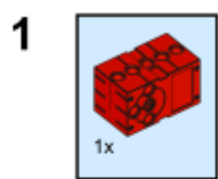
---





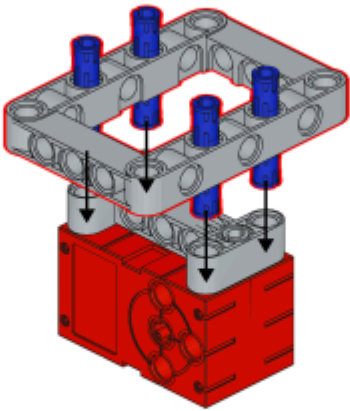
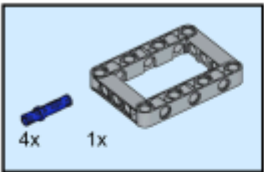
Video link: <https://youtu.be/mT2DdwNPeks>

# 12.4. Bricks build-up

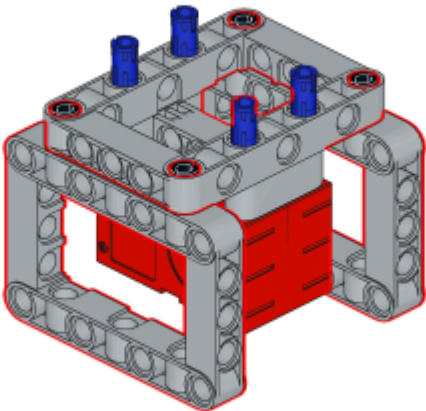
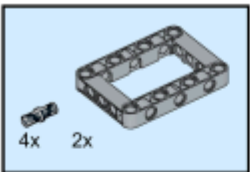




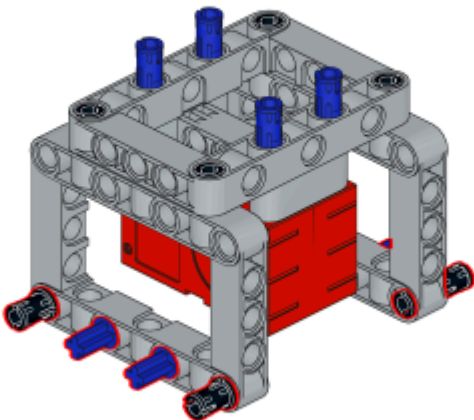
3



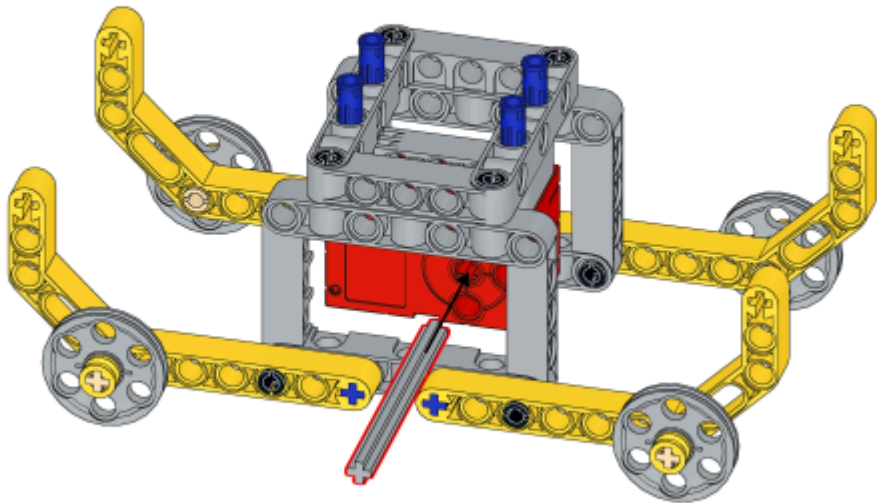
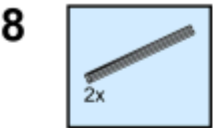
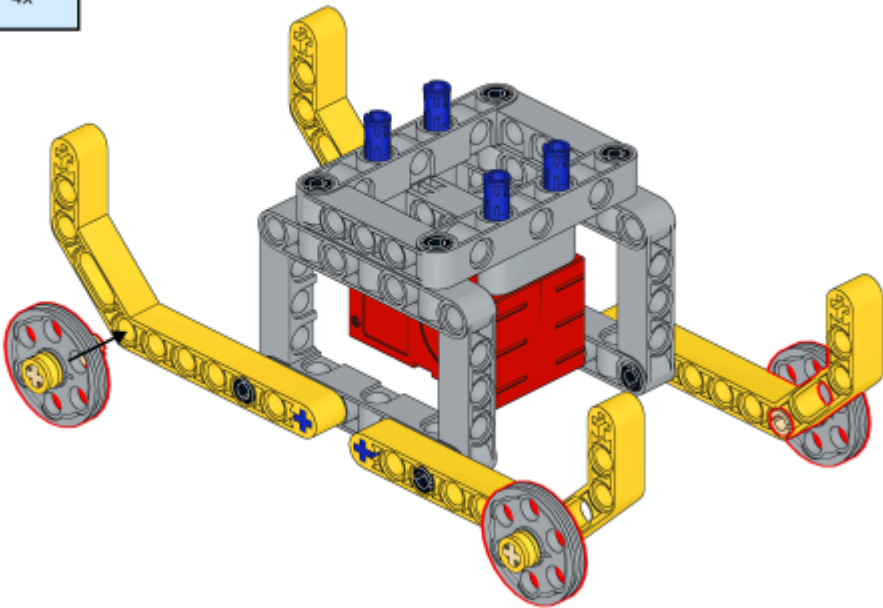
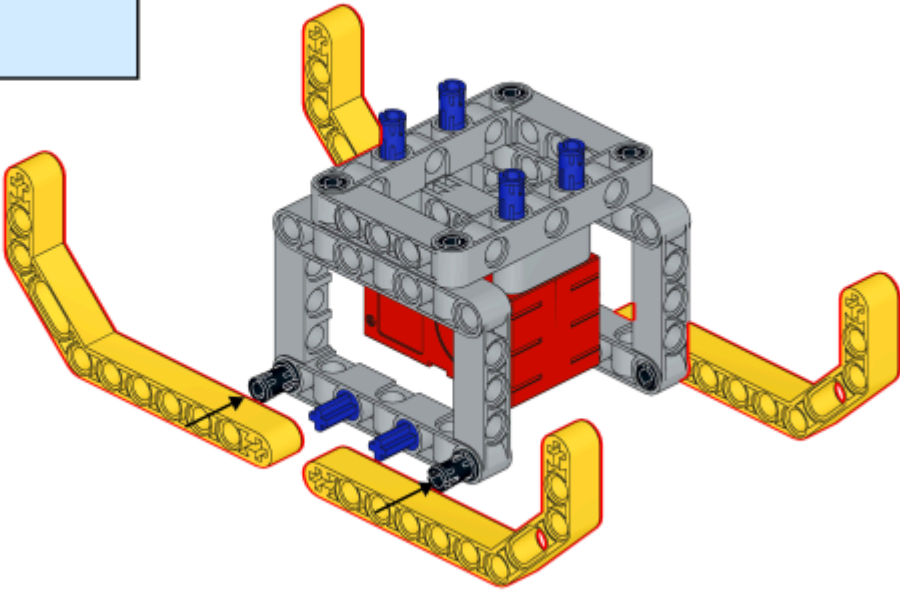
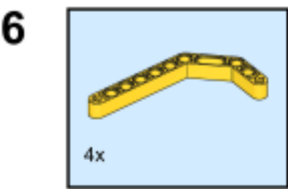
4



5

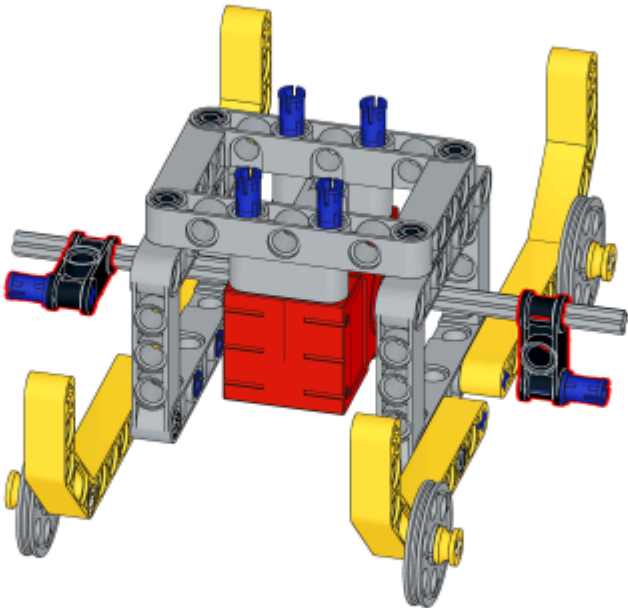




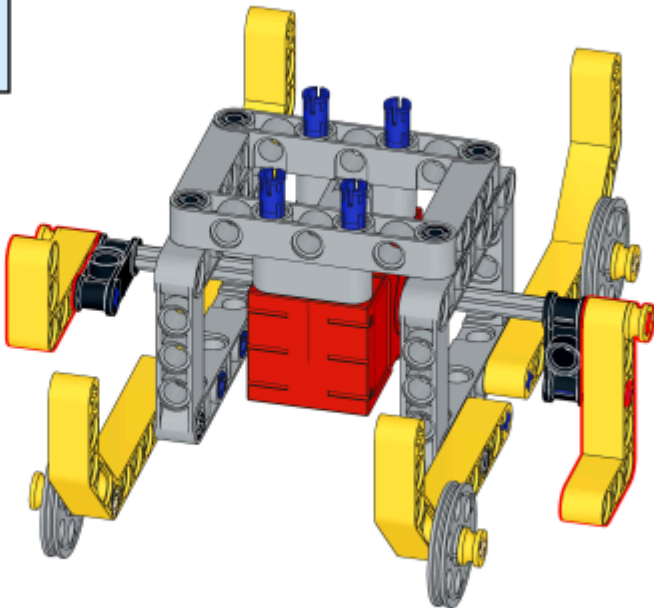




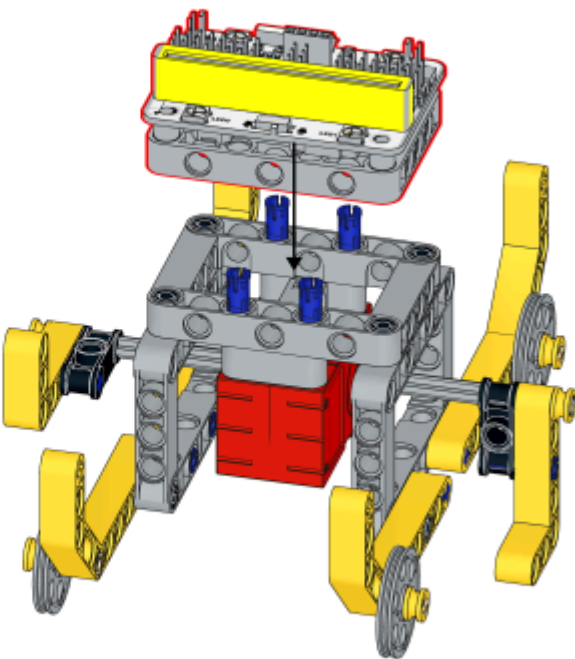
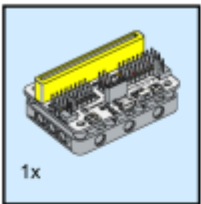
9



10

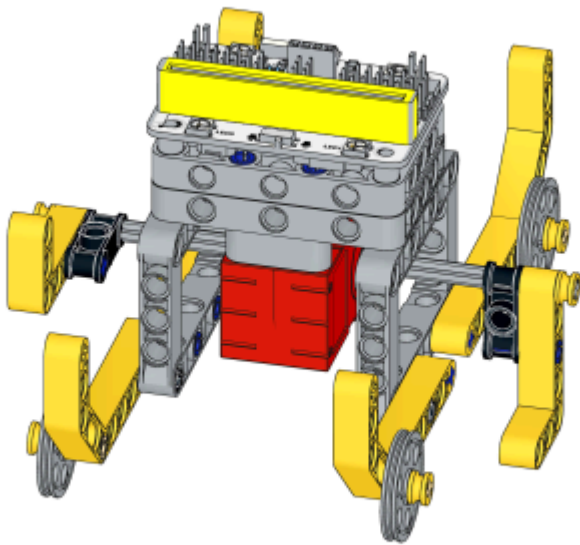


11



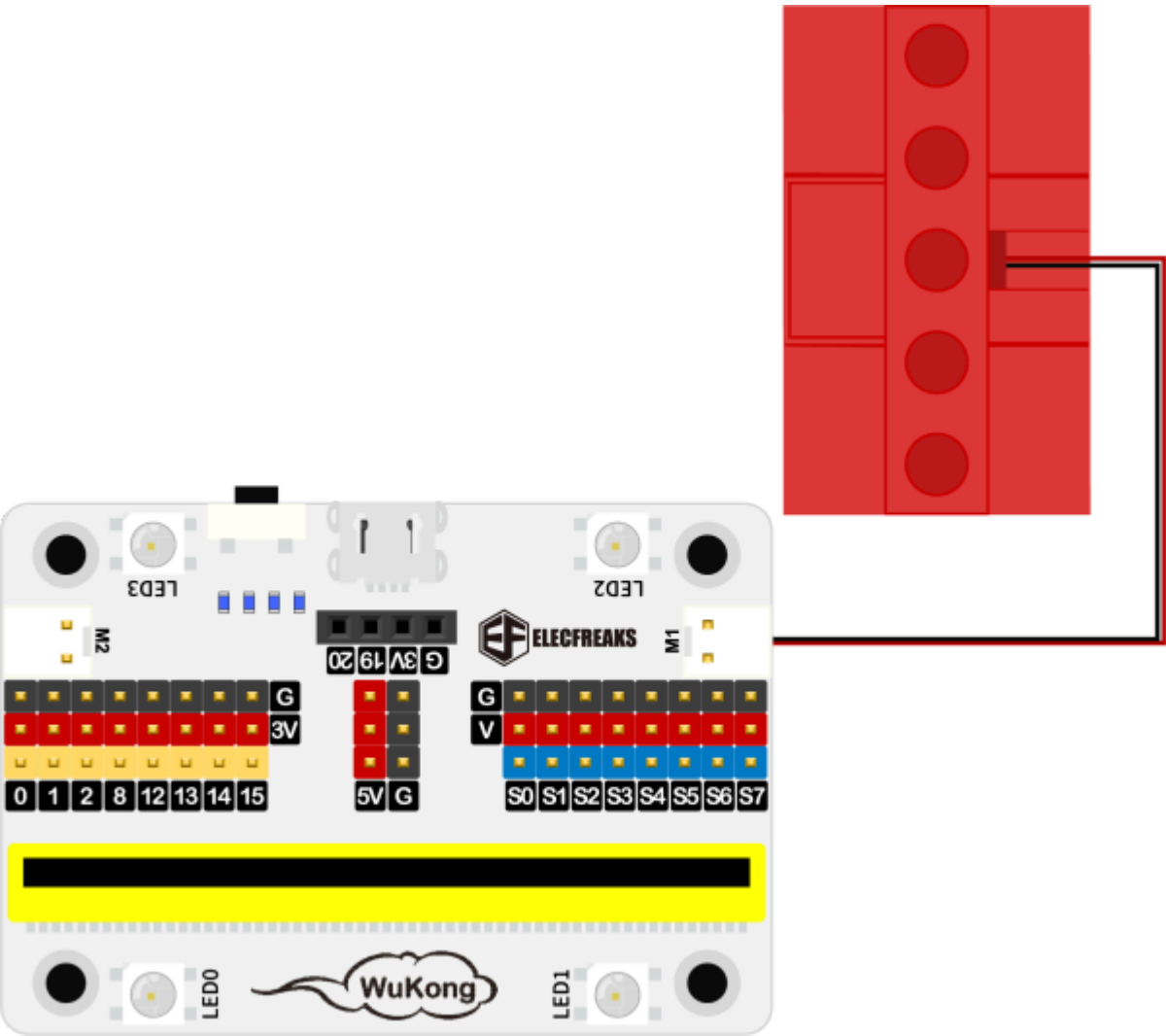


12



12.5. Hardware Connection

Connect a [motor](#) to M1 port on [Wukong breakout board](#).



12.6. Software Platform

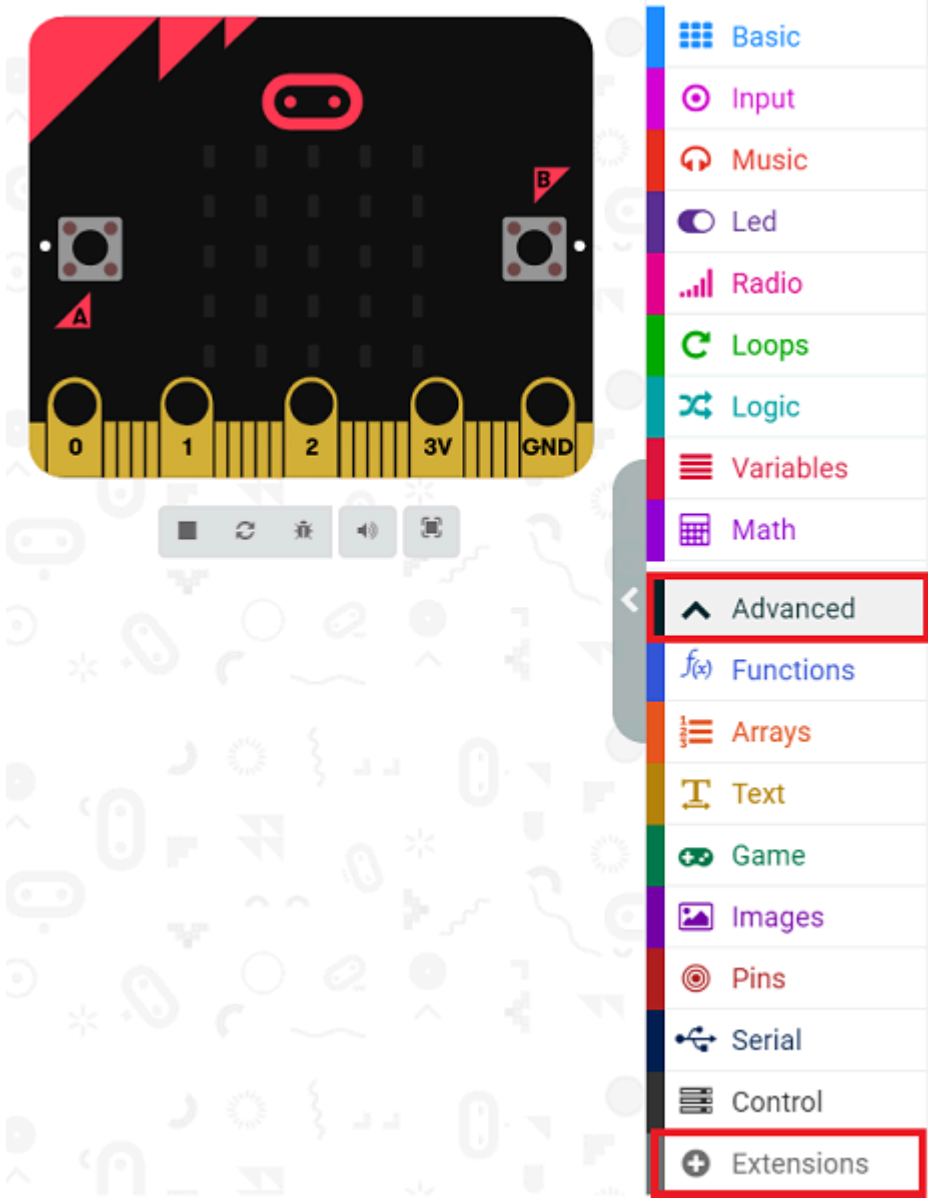
[MakeCode](#)

12.7. Coding

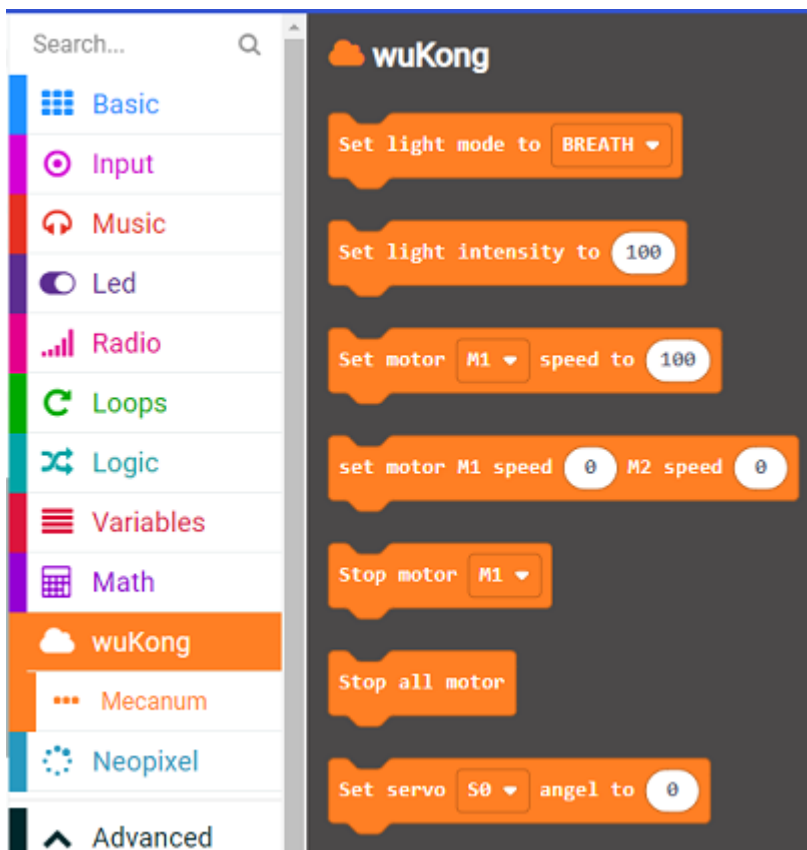
Add extensions

Click “Advanced” in the MakeCode to see more choices.





Search with Wukong in the dialogue box to download it.



Program





Link: [https://makecode.microbit.org/\\_4wuFkYirTVqd](https://makecode.microbit.org/_4wuFkYirTVqd)

## Result

When button A is pressed the rower moves forward, when button B is pressed the rower moves backward, when button A+B is pressed the rower stops moving.

---

By ELECFREAKS Team

© Copyright 2022, ELECFREAKS Team.