

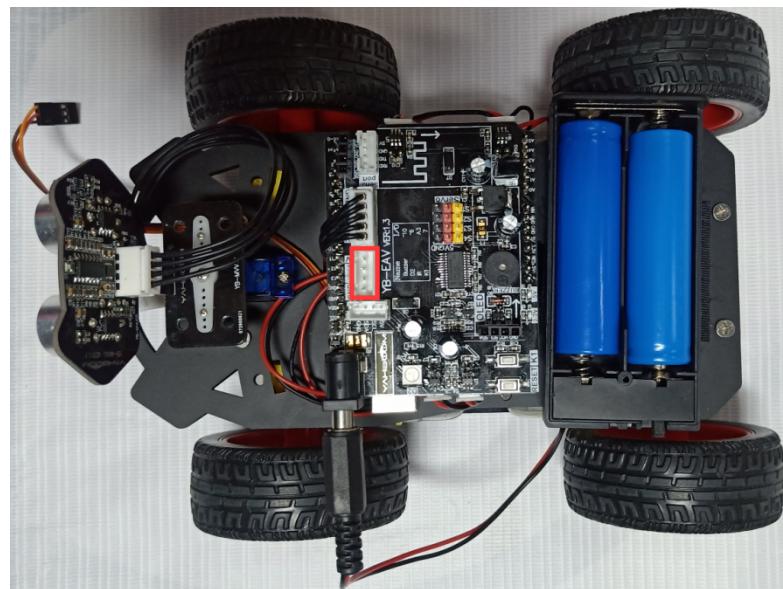
## Scratch course ---12.Ultrasonic Avoid

### 1. Learning goal

In this lesson, we will learn how to use ultrasonic module to realize obstacle avoidance function.

### 2. Preparation

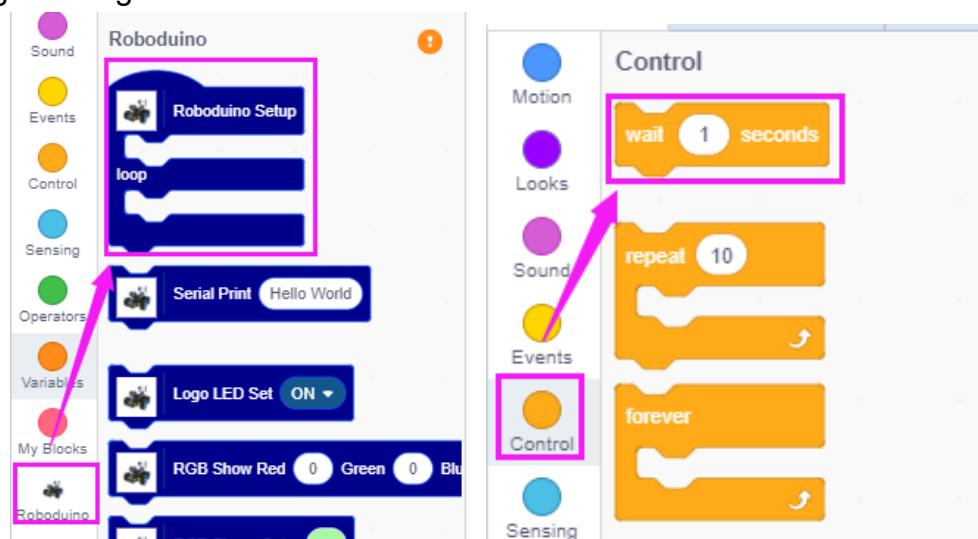
2.1 The position of the ultrasonic port on the expansion board. As shown below.



2.2 Learn how to use ultrasonic distance graphically program building blocks.

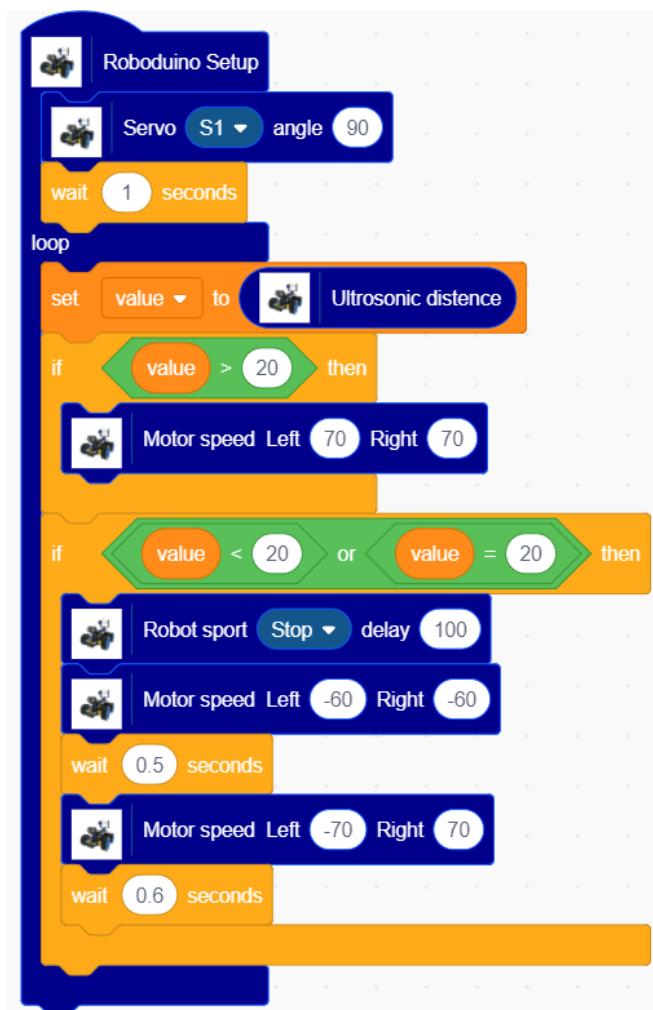
### 3. Search for blocks

The following is the location of the building blocks required for this programming.





#### 4. Combine blocks



## 5. Experimental phenomena

After the program is downloaded. When we open the power switch of robot car, the robot car will move forward.

When an obstacle is encountered in front of it, it will stop, then back, then spin left to avoid obstacles.

**Note:**

**Our program is for reference only, the user needs to adjust the parameters in the program according to the actual situation.**