Hardware

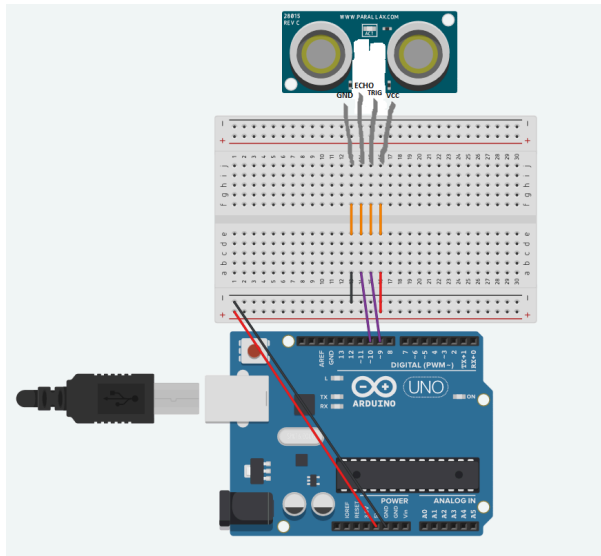## Module

HC-SR04 Ultrasonic sensor.

Schematic

- Trig to pin 9
- Echo to pin 10

Software

```
void setup() {
        pinMode(trigPin, OUTPUT);
        pinMode(echoPin, INPUT);
}

void loop() {
        digitalWrite(trigPin, LOW);
        delayMicroseconds(2);
        digitalWrite(trigPin, HIGH);
        delayMicroseconds(10);
        digitalWrite(trigPin, LOW);

        duration = pulseIn(echoPin, HIGH);
        distance = (duration*.0343)/2;
        Serial.print("Distance: "); Serial.println(distance);
```

```
        delay(100);
    }
}
```

Links

- [Getting Started with the HC-SR04 Ultrasonic sensor | Arduino Project Hub](#)
- [Ultrasonic Distance Sensor - 5V (HC-SR04) - SEN-15569 - SparkFun Electronics](#)