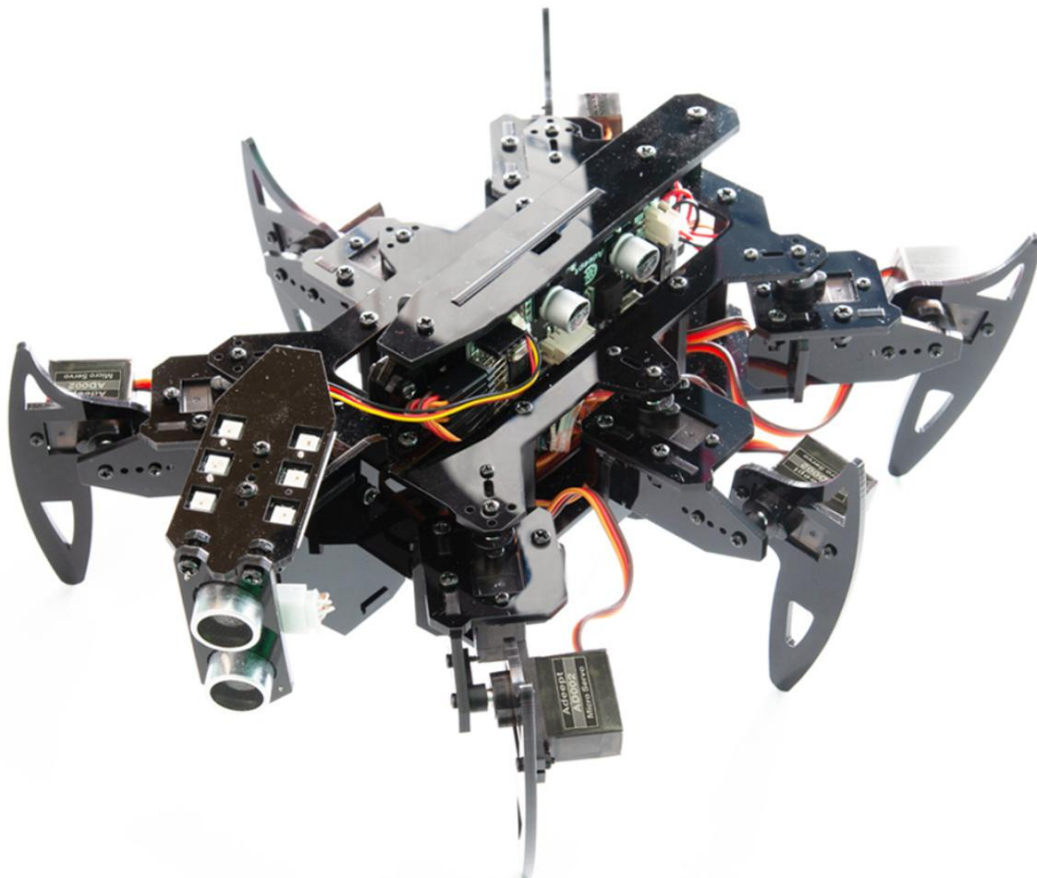


Lesson 1 Introduction of Hexapod Spider Robot

1.1 Introduction of Hexapod Spider Robot

This is an awesome open source hexapod spider robot which allows anyone to build their own walking robot with no prior knowledge in robotics.

The robot was designed by Adeept to help beginners as well as more advanced robot enthusiasts get into the exciting world of robotics. The robot kit includes everything needed to assemble and start having fun with your very own hexapod Robot! From the high-quality acrylic structure/body and fasteners that make up the body of the robot to the custom printed circuit board, pre-programmed Arduino controller, Ultrasonic Range Sensor and ESP8266 WiFi Module.



We developed a Python-based graphical human-computer interaction UI and Android APP for this robot, and the communication between the APP and the robot is based on WiFi. You can control the robot through the APP.

【Features】 :

1.STEAM Educational Robot -A complete Bionic Hexapod Spider Robot Kit based on Arduino. It can be remotely controlled by Android APP or Python GUI APP on PC(based on WiFi)

2.Easy to Assemble and Coding -A PDF manual with illustrations is considerately prepared for you, which teaches you to build your hexapod robot step by step.














3.Powered by 2x18650 batteries (NOT included). You need to prepare your own batteries.



1.2 Suggestions for the use of Hexapod Spider Robot

We have designed basic to advanced courses for Hexapod Spider Robot. These courses are very detailed and open source. We have made detailed explanation and analysis of the source code to facilitate the learning of robot programming knowledge. Each lesson is very helpful for you to learn and use Hexapod Spider Robot, so when you learn and use Hexapod Spider Robot, we recommend that you follow the order of the courses, if you do not follow the

order of the courses, you will miss very important knowledge and important tips, which will cause you to be unable to use Hexapod Spider Robot normally.

 Lesson 1 Introduction of Hexapod Spider...	9/14/2020 10:35 AM	File folder
 Lesson 2 About the AdeptPixie Driver B...	9/14/2020 10:35 AM	File folder
 Lesson 3 Building a Robot Operating Envi...	9/14/2020 10:35 AM	File folder
 Lesson 4 Controlling the Servo Motor	9/14/2020 10:35 AM	File folder
 Lesson 5 Using WS2812 to Make Lights	9/14/2020 10:35 AM	File folder
 Lesson 6 Reading the Value of the Ultraso...	9/14/2020 10:35 AM	File folder
 Lesson 7 Reading the Data of MPU6050	9/14/2020 10:35 AM	File folder
 Lesson 8 Remotely controlling the Servo ...	9/14/2020 10:35 AM	File folder
 Lesson 9 Servo 90° debugging	9/14/2020 10:35 AM	File folder
 Lesson 10 Hexapod Spider Robot Assem...	9/14/2020 10:35 AM	File folder
 Lesson 11 Servo Neutral Debugging	9/14/2020 10:35 AM	File folder
 Lesson 12 Remotely Controlling the Rob...	9/14/2020 10:35 AM	File folder
 Lesson 13 Controlling the Robot with a ...	9/14/2020 10:35 AM	File folder