Description

- AL5B Robotic Arm Combo Kit
- USB based version with powerful prewritten BotBoarduino programs
- Advanced inverse kinematics positioning control
- Easily control a differentially-steered vehicle with the addition of a motor controller

The Lynxmotion AL5B 4 Degrees of Freedom Robotic Arm Combo Kit (BotBoarduino) delivers fast, accurate, and repeatable movement. The robot features base rotation, single plane shoulder, elbow, wrist motion, a functional gripper, and optional wrist rotate. The AL5B robotic arm is an affordable system with a time tested rock solid design that will last and last. Everything needed to assemble and operate the robot is included in the kit, with several different software control options.

The Mechanics
The aluminum robotic arm is made from Servo Erector Set components for the ultimate in flexibility and expandability. The kit consists of black anodized aluminum brackets, Aluminum tubing and hubs, custom injection molded components, and precision laser-cut Lexan components. The arm uses 1 x HS-475HB in the base, 1 x HS-755HB in the shoulder, 1 x HS-645MG in the elbow, 1 x HS-475HB in the wrist, and 1 x HS-422 in the gripper.

What's Included

AL5B Hardware-Only Kit, which includes:

- Arm Hardware, Gripper and Gripper Attachment Kit
- Base Rotate (no servos) (BR-NS)
- Electronics Carrier (BEC-KT)

Arm Electronics & Software Pack, which includes:

- BotBoarduino
- USB Standard to Mini Cable
- Power Supply Output 6VDC 5A Input 100-240VAC
- 1 x HS-422 (a HS-425BB or HS-322HD may be substituted) standard-size servo
- 2 x HS-485HB standard-size servo
- 1 x HS-645MG standard-size servo
- 1 x HS-755HB large-scale servo
- 1 x HS-645MG standard-size servo
- 1 x HS-755HB large-scale servo

Useful Links

Website

- Lynxmotion User and Assembly Guides

Blog

- How to Choose a Lynxmotion Robotic Arm

Example code

- Lynxmotion GitHub - Arms (BotBoarduino)

Multimedia

https://www.youtube.com/watch?v=njkyA37yOr0&feature=emb_title