

Build a robot that responds to electrical activity in your brain--its easy and fun. If youre familiar with Arduino and have basic mechanical building skills, this book will show you how to construct a robot that plays sounds, blinks lights, and reacts to signals from an affordable electroencephalography (EEG) headband. Concentrate and the robot will move. Focus more and it will go faster. Let your mind wander and the robot will slow down. The level of attention controls the speed of the robot. Steering (left and right) is controlled with automatic line avoidance. Youll find complete instructions for building a simple robot chassis with servos, wheels, sensors, LEDs, and a speaker. You also get the code to program the Arduino microcontroller to receive wireless signals from the EEG. Your robot will astound anyone who wears the EEG headband. This book will help you: Connect an inexpensive EEG device to Arduino Build a robot platform on wheels Calculate a percentage value from a potentiometer reading Mix colors with an RGB LED Play tones with a piezo speaker Write a program that makes the robot avoid boundaries Create simple movement routines

Joy of Gardening-How to Create and Grow Herbs, Vegetables and Fruits in Container and Vertical Garden, Prince of the Ring, Nothing But You: Love Stories From The New Yorker, Brightest Day \*The FLASH # 1\* (June 2010), Oracle8i DBA: Backup and Recovery Exam Cram (Exam: 1Z0-025),

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