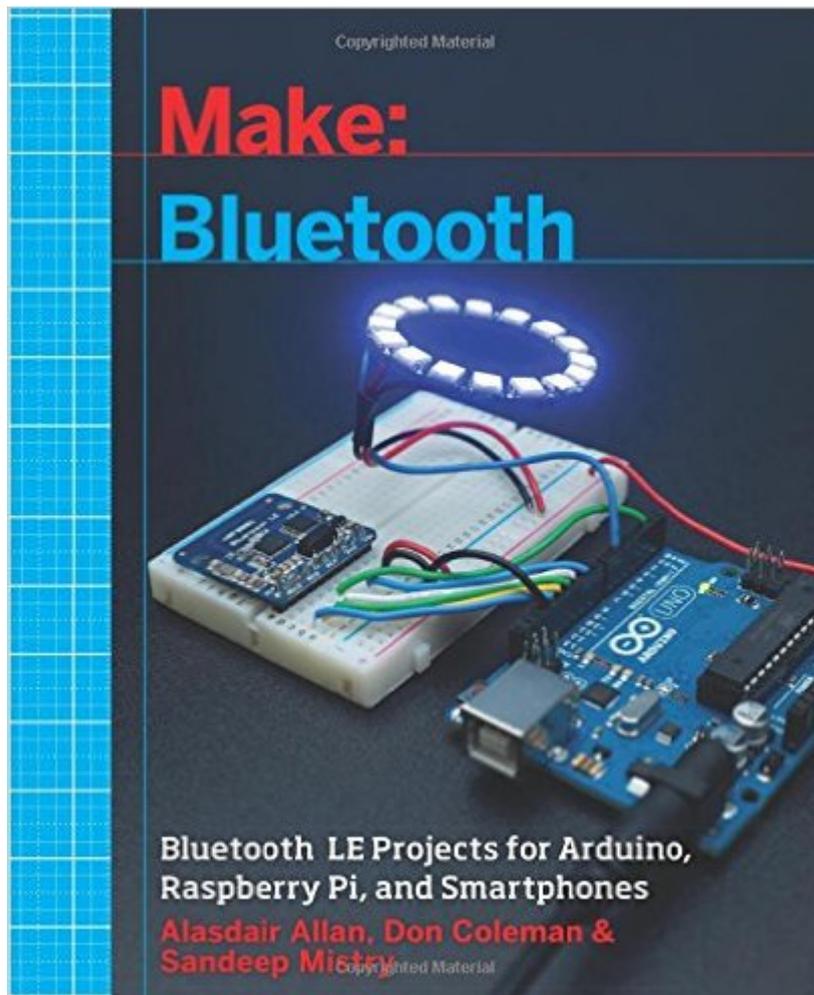# Make: Bluetooth: Bluetooth LE Projects With Arduino, Raspberry Pi, And Smartphones

Synopsis

This book is where your adventures with Bluetooth LE begin. You'll start your journey by getting familiar with your hardware options: Arduino, BLE modules, computers (including Raspberry Pi!), and mobile phones. From there, you'll write code and wire circuits to connect off-the-shelf sensors, and even go all the way to writing your own Bluetooth Services. Along the way you'll look at lightbulbs, locks, and Apple's iBeacon technology, as well as get an understanding of Bluetooth security--both how to beat other people's security, and how to make your hardware secure.

Book Information

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Customer Reviews

I spotted this gem at the local library and decided to check it out. I had no idea there was anything called "LE" Bluetooth. The first chapter is devoted to acquainting the reader with the technology and how it works. I thought the authors did a good job explaining the basics of what this standard is, and what platforms use it. The authors base their examples on both Arduino and Raspberry Pi. Hardware for each option is clearly identified in the projects--so you can take your pick.The projects contain a large number of photos, illustrating what your hardware should look like. For smartphone apps, the book similarly shows lots of screen-captures. For each project, the exact code is given. At the beginning of each project, there is a Bill of Material ("Hardware") so you can figure out what stuff you need to buy.Sprinkled throughout the book are "Cannon Ball" warnings, to alert the reader to some special difficulties. For example, the authors point out some features in Android that are flat-out defective, and what they can do as a "work around."Perhaps the most intriguing project in

the book relates to using Bluetooth to control a drone!All in all, an excellent, well-designed book, that is both a good intro to the subject, as well as a practical guide to start using this technology. I really liked the clear layout of the book, and the numerous photos. This book is really aimed to helping the reader SUCCEED!

I was very disappointed because there was only one project using the Raspberry Pi and Bluetooth. Almost all of the book's contents was about Arduino Bluetooth projects. The cover is very misleading: it should not have used Raspberry Pi on the cover, and then have only a single Raspberry Pi and Bluetooth project. It seems like the single project using Raspberry Pi was included to be able to put Raspberry Pi on the cover to help sell the book. Don't buy this book if you want information about the Raspberry Pi and Bluetooth.

Fun projects with straight forward explainations and directions. After working through the material I have a good understanding of the concepts covered.

Excellent

Download to continue reading...

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