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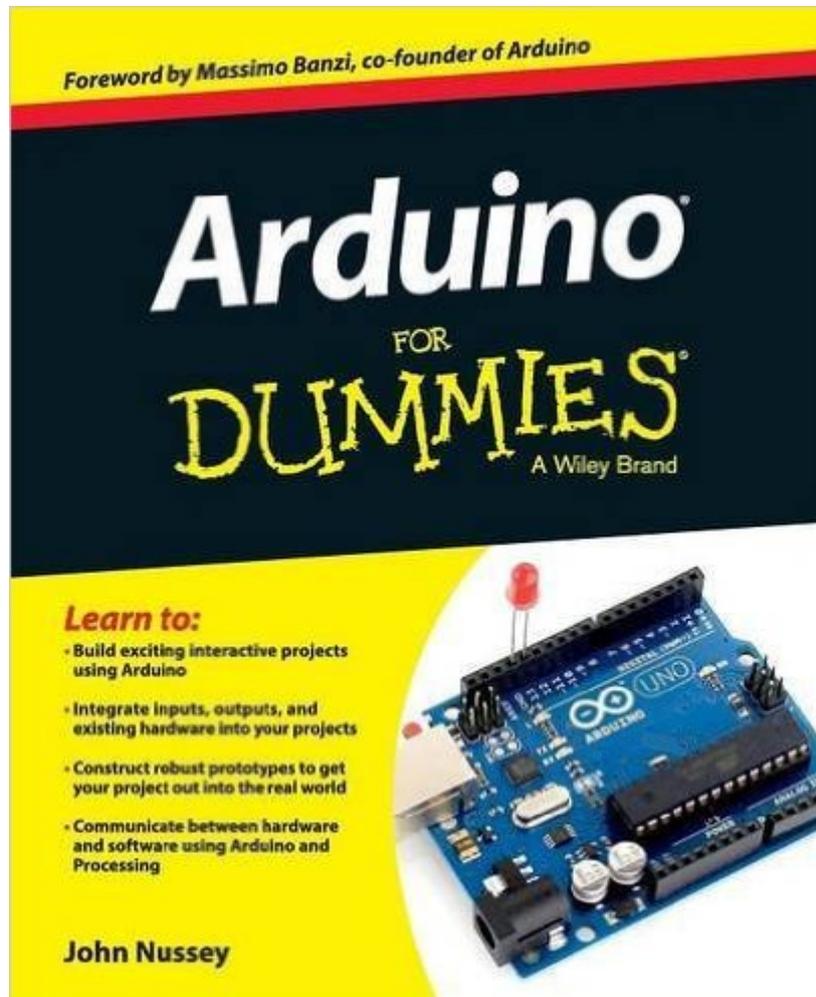
Arduino For Dummies

Synopsis

The quick, easy way to leap into the fascinating world of physical computing This is no ordinary circuit board. Arduino allows anyone, whether you're an artist, designer, programmer or hobbyist, to learn about and play with electronics. Through this book you learn how to build a variety of circuits that can sense or control things in the real world. Maybe you'll prototype your own product or create a piece of interactive artwork? This book equips you with everything you'll need to build your own Arduino project, but what you make is up to you! If you're ready to bring your ideas into the real world or are curious about the possibilities, this book is for you. Â ? Learn by doing ? start building circuits and programming your Arduino with a few easy to follow examples - right away! ? Easy does it ? work through Arduino sketches line by line in plain English, to learn of how a they work and how to write your own ? Solder on! ? Only ever used a breadboard in the kitchen? Don't know your soldering iron from a curling iron? No problem, you'll be prototyping in no time ? Kitted out ? discover new and interesting hardware to make your Arduino into anything from a mobile phone to a geiger counter! ? Become an Arduino savant ? learn all about functions, arrays, libraries, shields and other tools of the trade to take your Arduino project to the next level. ? Get social ? teach your Arduino to communicate with software running on a computer to link the physical world with the virtual world It's hardware, it's software, it's fun! Start building the next cool gizmo with Arduino and Arduino For Dummies.

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Customer Reviews

I'm pretty conservative on giving out 5 stars but I was really excited to get into the Arduino world.

Perhaps my excitement makes my review bias, but it's fair to me.I ordered a starter kit with the Arduino Uno and jumped right into the book that was provided in the kit. The book in the kit is very good as well, as it jump started my installation of everything very smoothly and had me doing a couple sketches (programs) within 15 minutes. The sketches even describe how the code works with the Arduino hardware and that was very helpful. However, it began to get deep fairly quick, so I turned to this book.I began working with the sketches the book starts with (and which the software has preloaded for you as well) and the "Dummies" part of the title began showing it's face. I'm very new to both the programming language which is based on C and electronics in general, so the holding hands essence of this book was great. It explains to you in great detail what each line of code means and how you can manipulate it to get a feel for the functions.I'm sure some seasoned electronics guys and girls as well as programmers may find it all redundant, but if you are looking at buying this book, it's probably because you feel like a "Dummie", not because you're really great at this stuff. Highly recommended as a starter! I'm about half way through, but I'm betting I will be hungry for more deeper books and this one will have given me a solid foundation to stand on!

Given this is a book for novices, there are WAY too many errors.I have the latest version of arduino software. The book gives instructions for configuring the connectors on the arduino and a breadboard and running the arduino script. Unfortunately, the book instructions do not match the arduino code, resulting in the examples not working. The reader, since he/she is a novice, has no idea why the sample doesn't work. Is the arduino broken, is the breadboard not connected properly, is the motor broken, is the software correct? The reader has no clue. We assume that the book is correct and that something is wrong.The author/publisher needs to provide an update/errata sheet to correct these inexcusable errors!

Recommended for those that are curious about what you need to know to use a microprocessor.Requires you only to be interested.It has tons of pages with tons of information all covered step by step.What has to be done, with what and where to find it are all covered.I also like the author's style of writing. He knows that for you to use Arduino, or any other microprocessor, you have to figure out how to program the device to do what you actually want it to do. Programming (for those of us who were never exposed to it) is like learning to write a strictly logical foreign language. The author gives me hope that it can be done by using a cut and paste, trial and error sort of thing. At least, this is the point of the learning curve where I'm at.If you have covered the beginning Arduino material out there, or if you haven't even started, check out this book.

An excellent book. Especially for rank beginners. BUT BEWARE: the pinout drawing for the plastic-packaged version of the 2N2222A transistor, called the PN2222A, is erroneous as shown on page 127. The PN2222A is among the very most often used transistors of all time, and beginners are very likely to find themselves buying and using this device. So it is very important to get the three pins identified correctly. I suggest checking the internet to be sure you have it right. Page 127 does not.

This book had the potential for being excellent, but there are way too many typographical errors. This is fatal in a book for beginners who are trying to learn both the hardware and the programming language. Each error seems minor, but in total it may be too discouraging for a person trying to learn all this tricky (and very technical) stuff. One misplaced comma makes a program sketch impossible to run, or worse, runs with the wrong results. Shame on the authors for not proofreading before publishing. This should have been an excellent book.

Excellent book, goes to the basics of arduino application and design. Normally,as a Dummy book you would think the title should be Ar-DUH-ino, but the author does a good job of not making you feel stupid while reading. also has some good follow-up projects books both in print or Kindle reader. Arduino is a new, very untapped resource for both the DIY'er or Pro-level individuals. This book will give you a good foundation in the basics to build on.

Perfect for an electronics ignoramus such as myself, to get off of bottom dead center in learningabout the Arduino chip. I wanted to used the devices for model railroad animation.This gave me a good understanding of the chip and it's uses. Since studying the book,I have progressed to understanding the easier Arduino project books.

The author starts out by giving us the history behind the Arduino and its name as well as all of the different types of Arduino boards that are available. Chapter 2 breaks down the Arduino UNO into its basic parts including the AT MEGA 328 chip the pin ports around the perimeter of the Arduino UNO Board. I am currently on chapter 3 which covers downloading and installing the Arduino IDE. The Author does a great job at starting out with the basics and builing up to more advanced topics at a slow rate for those who do not know anything about the Arduino UNO.

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