



## Arduino For Dummies

*John Nussey*

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# Arduino For Dummies

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**Arduino For Dummies** John Nussey

**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.

? 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 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*.

## Arduino For Dummies Details

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## From Reader Review Arduino For Dummies for online ebook

### Read Ng says

This is a good introduction to Arduino. It fit in well with my formal education in electronics so many years ago. I thought it would help me find my first project in either the Arduino or Raspberry Pi world of projects, but so far I am not fully on board with starting a project. I may have to just take the plunge and buy a kit and just build whatever it maps out. Then I might become inspired to be much more creative and custom build my own project.

I need to commit. And find the right starting point.

Have a GoodReads.

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### Rumeth says

Provides fun and intuitive ways of learning and creating Arduino projects from the very beginning!!

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### David Roberts says

The book I read to research this post was Arduino For Dummies by John Nussey which is an excellent book which I bought from kindle. The Arduino is a little like the Raspberry Pi and there are 2 major components that combine to make it. There is a circuit board and components which varies according to what you are trying to build. There is a kind of standard as to what is an arduino component but many companies manufacture these kits and separate components. There is also a programming language and there are many scripts that can be downloaded from the internet often for free and are copied to your arduino product via your computer. There is a massive variety of arduino kits and of course you can design and build your own. Also the Arduino programming language has been much simplified and improved upon since it was first introduced. If you do decide to learn and use the programming language try and find scripts that you can adapt rather than writing a program from scratch. You will save yourself a lot of work. One Japanese company has even developed an arduino kit geiger counter that can be bought for around £110.00 and that was specifically developed for the incident in Japan when there was a tsunami that caused flooding that threatened to cause a disaster at a nuclear power station. With this particular kit you really need to know what you are doing constructing it as it is very difficult to build and contains a high voltage. Another kit is an mp3 player that rips music via your computer and plays them back in mp3 format. It's also compatible with a lot of different formats and will work equally well with a Apple Macintosh, Windows or Linux computer. This book contains lots of projects to get you started and has instructions with quite a lot.

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### Jim Razinha says

Good primer. If weak on Arduino code in general it makes up for it explaining the "whys" of what *is* in here. Now to dig into really using the micro-controller...

