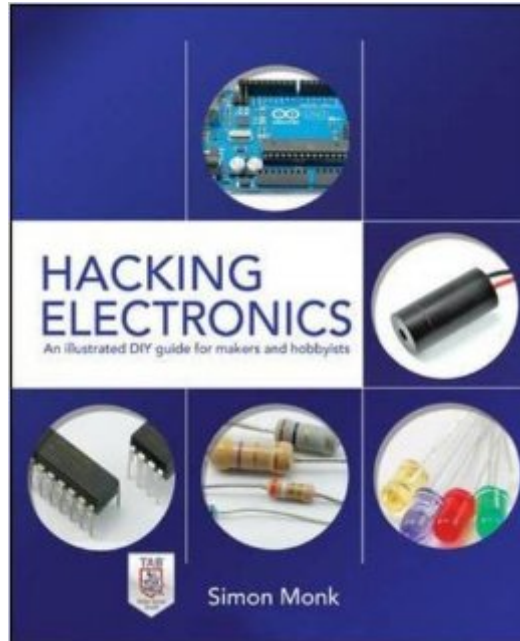


The book was found

Hacking Electronics: An Illustrated DIY Guide For Makers And Hobbyists



Synopsis

Bring your electronic inventions to life! "This full-color book is impressive...there are some really fun projects!" -GeekDad, Wired.com Who needs an electrical engineering degree? This intuitive guide shows how to wire, disassemble, tweak, and re-purpose everyday devices quickly and easily. Packed with full-color illustrations, photos, and diagrams, Hacking Electronics teaches by doing--each topic features fun, easy-to-follow projects. Discover how to hack sensors, accelerometers, remote controllers, ultrasonic rangefinders, motors, stereo equipment, microphones, and FM transmitters. The final chapter contains useful information on getting the most out of cheap or free bench and software tools. Safely solder, join wires, and connect switches Identify components and read schematic diagrams Understand the how and why of electronics theory Work with transistors, LEDs, and laser diode modules Power your devices with a/c supplies, batteries, or solar panels Get up and running on Arduino boards and pre-made modules Use sensors to detect everything from noxious gas to acceleration Build and modify audio amps, microphones, and transmitters Fix gadgets and scavenge useful parts from dead equipment

Book Information

Paperback: 304 pages

Publisher: McGraw-Hill Education TAB; 1 edition (April 2, 2013)

Language: English

ISBN-10: 0071802363

ISBN-13: 978-0071802369

Product Dimensions: 0.2 x 7.2 x 9.5 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (92 customer reviews)

Best Sellers Rank: #36,896 in Books (See Top 100 in Books) #17 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Microelectronics](#) #23 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits](#) #46 in [Books > Computers & Technology > Internet & Social Media > Hacking](#)

Customer Reviews

Hacking Electronics is a newly released, modern, and inexpensive 'how to' electronics workbook. The rather abrasive word "hacking" might suggest many things to different people, however, in this 275 page paperback it means, practical teaching by doing. Each topic features easy-to-follow projects. You don't need a degree in engineering to create or modify something electronic.

Traditional electronic textbooks can be terrifying, unless one has a good grounding in complex mathematics. This easy to read intuitive guide teaches about micro-controllers, sensors, FM Transmitters, working with modules, and other simple to construct devices. Hacking Electronics is a full-colour exceptional publication, organised into 11 chapters, a Parts Appendix, and a very informative index. Perhaps the following brief description of each chapter, will provide a useful summary of the book's content.

Chapter 1, Getting Started. This instructional book starts with advice on where to buy equipment and components. This first chapter also deals with the basics of soldering and describes how to use an old computer fan to make a fume extractor for use while soldering.

Chapter 2, Theory and Practice. This particular chapter identifies and explains the variety and use of electronic components. It also introduces a small amount of helpful and essential theory.

Chapter 3, Basic Hacks. This chapter introduces transistors with example projects. It includes a "push light" which automatically turns on at night, and 'how to' control a motor, using power MOSFETs.

Chapter 4, LEDs. Besides discussing regular LEDs, 'how to' use them, and making them flash, etc. This chapter also looks at using constant current drivers for LEDs and laser diode modules.

Chapter 5, Batteries and Power.

I think I've been looking for this electronics book for a long time! I'm a ham radio operator, and an electronics hobbyist with no formal training in the subject, so I seem to always learn everything the hard way. Well, Simon Monk has put together a book that should become a real must have item for people like me. You could be a rank beginner, or an old hand, and still find a world of things in this book that you need to know, or projects you want to try.

If you've always wanted to get into electronics as a hobby, this book will help you get started with the very basics. If, on the other hand, you've been tinkering with Arduino for a long time, and are interested in some new, fresh projects, then this is for you, too. Another thing I like is that, in this book, Simon Monk has helped me get outside the box with electronic projects. Let me explain: Even though I've played around with microcontrollers for a few years, I've bought several books that I hoped would help me learn to think outside the box, and yet when I finished those books, I realized that I had only built a project or two, and that I had not really learned how to progress beyond the confines of those projects. This book is different! It has some very practical advice all through it that has already helped me make that leap toward improvising some ideas of my own. Part of its aim is to help you learn to think on your own about what you'd like to do with electronics.

For its size, this book is packed with straightforward, useful information. Mr. Monk hasn't beaten us to death with the boring details of electronic theory. Instead, he has given us the meat that we need to get started, and to develop steadily as hobbyists.

[Download to continue reading...](#)

DIY: 365 Days of DIY: A Collection of DIY, DIY Household Hacks, DIY Cleaning and Organizing, DIY Projects, and More DIY Tips to Make Your Life Easier (With Over 45 DIY Christmas Gift Ideas) Hacking: The Ultimate Beginners Guide (Computer Hacking, Hacking and Penetration, Hacking for dummies, Basic security Coding and Hacking) (Hacking and Coding Book 1) Hacking Electronics: An Illustrated DIY Guide for Makers and Hobbyists 365 Days of Decluttering and Organizing Your Home: DIY Household Hacks, DIY Declutter and Organize, DIY Projects, DIY Crafts, DIY Books, DIY Cookbook, ... Home Improvement (DIY Hacks Book 1) 365 Days of DIY Hacks - Home, Parenting, Pets, Gifts, Budgeted: (DIY Household Hacks, DIY Declutter and Organize, DIY Projects, DIY Crafts, DIY Books, DIY Gift, Do It Yourself, Home Improvement, Kids) Hacking: Ultimate Hacking for Beginners, How to Hack (Hacking, How to Hack, Hacking for Dummies, Computer Hacking) DIY Gifts: 50 Cute And Easy DIY Gifts In A Jar That Everybody Actually Wants: (DIY Projects, diy household hacks,diy Speed Cleaning, tiny home living, ... everyday life, diy Speed Cleaning, gifts)) Hacking University: Sophomore Edition. Essential Guide to Take Your Hacking Skills to the Next Level. Hacking Mobile Devices, Tablets, Game Consoles, and ... (Hacking Freedom and Data Driven Book 2) Hacking University: Freshman Edition Essential Beginner's Guide on How to Become an Amateur Hacker (Hacking, How to Hack, Hacking for Beginners, Computer ... (Hacking Freedom and Data Driven Book 1) Hacking: Wireless Hacking, How to Hack Wireless Networks, A Step-by-Step Guide for Beginners (How to Hack, Wireless Hacking, Penetration Testing, Social ... Security, Computer Hacking, Kali Linux) Hacking: The Ultimate Beginners Guide (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, Basic Security) Hacking: Beginner's Guide to Computer Hacking, Basic Security, Penetration Testing (Hacking, How to Hack, Penetration Testing, Basic security, Computer Hacking) Hacking: How to Hack Computers, Basic Security and Penetration Testing (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, penetration testing, basic security, arduino, python) HACKING: Learn Hacking FAST! Ultimate Course Book For Beginners (computer hacking, programming languages, hacking for dummies) DIY BUNDLE: The Best DIY Projects in One Book! (diy, diy projects, indoor gardening) C++: C++ and Hacking for dummies. A smart way to learn C plus plus and beginners guide to computer hacking (C++ programming, C++ for Beginners, hacking, ... language, coding, web developing Book 2) Hacking: How to Computer Hack: An Ultimate Beginner's Guide to Hacking (Programming, Penetration Testing, Network Security) (Cyber Hacking with Virus, Malware and Trojan Testing) HACKING: Beginner's Crash Course - Essential Guide to Practical: Computer Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer

Programming, Computer Science Book 1) Hacking: The Beginners Guide to Master The Art of Hacking In No Time - Become a Hacking GENIUS Wireless Hacking: How To Hack Wireless Network (How to Hack, Wireless Hacking, Penetration Testing, Social ... Security, Computer Hacking, Kali Linux)

[Dmca](#)