



Electronics All-in-One For Dummies

By Doug Lowe

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Electronics All-in-One For Dummies By Doug Lowe

Take your electronics skills to the next level!

If you're looking for a solitary resource that covers everything you need to know about electronics, then look no further. This friendly-and-straightforward guide introduces the basics of electronics and enhances your learning experience by debunking and explaining concepts such as circuits, analog and digital, schematics, voltage, safety concerns, and more. Packed with nearly 900 pages of detailed information, this book shows you how to develop your own breadboard, design your own circuit, and get savvy with schematics.

- Covers the basics of electronics and demystifies a variety of electronics concepts
- Encourages you to dive in and design a variety of fun and interesting entertainment, electronics, mobile, and automotive projects
- Offers troubleshooting advice for common electronics challenges
- Reviews circuits, schematics, voltage, safety concerns, and much more

So, get plugged in and start your next electronics project today with this book by your side!

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Editorial Review

From the Back Cover

From Ohm's law to building projects, get going in electronics with this All-in-One guide!

If you, like Doug Lowe, were always fascinated by electronics but didn't make a career of it, this book is for you. Here are clear, concise explanations of all the important concepts and directions for building simple, fun projects you can actually use. Each minibook covers the basics of a key topic, so you can jump in anywhere and get started!

- Safety first — be sure to read Chapter 4 of Book I and follow all safety precautions as you tackle your projects
- Building blocks — learn how conductors, resistors, capacitors, inductors, diodes, and transistors work and how to use them
- The full circuit — explore integrated circuits, digital circuits, logic circuits, and programmable circuits
- Plug it in — find out how to build power supply circuits that let you run circuits on household current
- Wonderful wireless — get the whole story on radio and learn to build one of the most interesting devices: a crystal radio

Open the book and find:

- Important safety standards
- Ohm's law and other electronics concepts
- What a 555 timer chip does
- How to work with alternating current
- Where a crystal radio gets its power
- How infrared light is used in wireless communication
- What a Basic Stamp is
- A project teachers can use in the classroom

Visit the companion website at www.wiley.com/go/electronicsaiofd for code samples you can use when creating programmable circuits.

About the Author

Doug Lowe still has the electronics experimenter's kit his dad gave him when he was 10. Although he became a programmer and has written books on various programming languages, Microsoft Office, web programming, and PCs (including 30+ For Dummies books), Doug never forgot his first love: electronics.

Users Review

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Why don't make it to become your habit? Right now, try to prepare your time to do the important work, like looking for your favorite reserve and reading a guide. Beside you can solve your long lasting problem; you can add your knowledge by the guide entitled Electronics All-in-One For Dummies. Try to make book

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