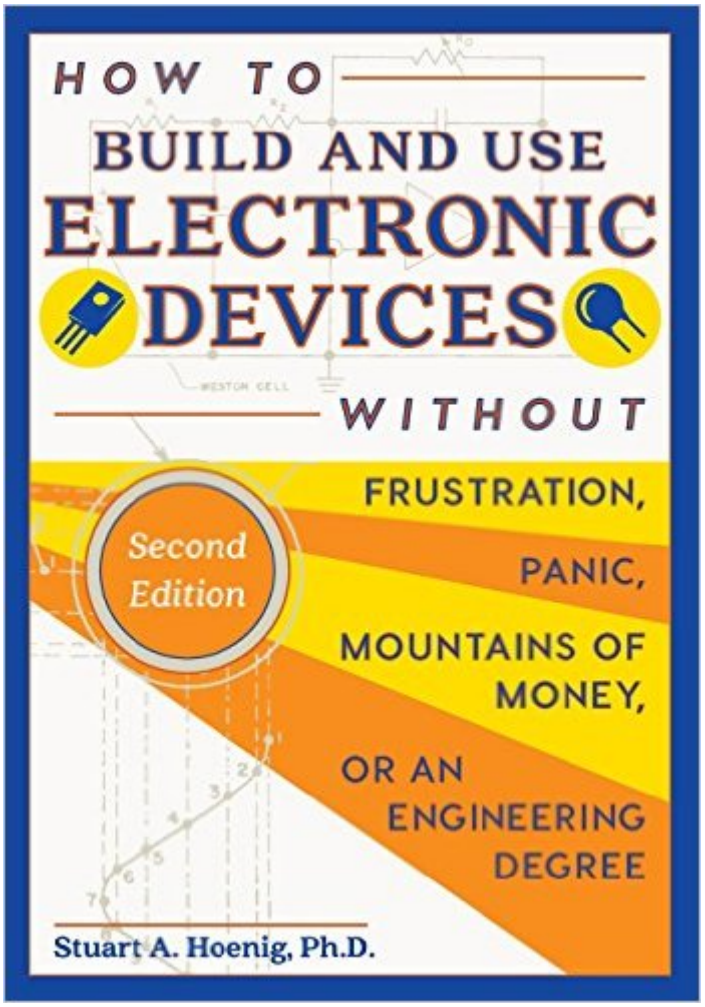
How To Build And Use Electronic Devices Without Frustration Panic Mountains Of Money Or An Engineer Degree



Synopsis

Hobbyists, tinkerers, and professional engineers alike regard Stuart Hoenig's How to Build and Use Electronic Devices Without Frustration, Panic, Mountains of Money, or an Engineering Degree as the best hands-on, down-and-dirty electrical engineering handbook on the market. Setting pomp and pretense aside, Hoenig's clear writing and friendly instructions pierce the jargon and obtuse nomenclature of the electronics industry so you can jump right into the work. Written with warmth and wit, you'll feel as if the author is standing alongside you at your workbench as he explains each new concept. Intended for on-the-job use, each sentence sizzles with the sound of soldering-iron-on-sponge. Covering everything from circuit theory to op-amp app-lications in biomedical procedures, How to Build and Use Electronic Devices will guide you through the design and operation of generators, multivibrators, circuit sources, filters, computer elements, and more! You'll also learn about common op-amp problems and how to quickly and creatively solve them. So break out your soldering iron, fire it up, and get cracking! With this book you'll be an electrical whiz in no time!

Book Information

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Customer Reviews

Way back in 1994 I discovered this book while browsing in my university's library. It changed my life and was the reason I got into electronics in a big way. Recently I was helping a student with an electronic project and bought this copy for her, hoping to give her the same experience I had had. Still a great book after all these years. So positive, so encouraging, so humble and helpful. The authors really want the student to have a great time, get things working, and go from strength to

strength.

I read and studied this very readable book back in the late 1970’s. Once again I am rereading it now in 2011.The authors present the subject of electronics and op amps as if they are actually sitting beside you andexplaining the subject in a very understandable form. I very much appreciate the good humor they have injected alongthe way. They encourage the reader to immediately start building practical op amp circuits and try them out. Thirtyfive years ago I was able to apply this knowledge in building instrumentation amplifiers to air monitoring equipment wherewe had no other alternative. This is a great book and I recommend it to anyone who is getting into electronics through workor hobby.

There was a time, oh my children, before computers did everything. Oh, no, not so far back as to depend on glowing filaments in little glass bottles, nor even back when everything had to be built from rat nests of discrete transistors.In between the age of discrete and the age of digital, was the age of the Operational Amplifier. Even today they are perhaps the ideal tool for learning about measurement and signaling.This is the best book for understanding what an op amp is, how they work (the best, most intuitive explanation of this I’ve seen), how to use them. It covers basic passive components, measuring techniques (including physiological techniques such as EKGs), and ridding your circuits of errors.If you are daunted by Horowitz and Hill’s Art of Electronics, the traditional electronics "bible", try this book. It should never have gone out of print, and I wish Hoenig would release it on the web. Easy on the math, a tutorial not a reference, it should be a hacker must-read.One small lack: no mention of current loops and other methods of transmitting signals over relatively long wires (feet or meters rather than inches.) To make up for it, there’s a little section on RF signaling.If you just need to measure something, but don’t want the engineering degree spoken of in the title, this is the book to get.

Finding the Peace Your Heart Craves To Heaven and Back: The Journey of a Roman Catholic Priest A Doctor's Tools (Community Helpers and Their Tools) Why Suffering?: Finding Meaning and Comfort When Life Doesn't Make Sense Rainbow Warriors and the Golden Bow: Yoga Adventure for Children (Rainbow Warriors Yoga Series) Touching Heaven: A Cardiologist's Encounters with Death and Living Proof of an Afterlife Machines of Loving Grace: The Quest for Common Ground Between Humans and Robots Husband After God: Drawing Closer To God And Your Wife Sex is a Funny Word: A Book about Bodies, Feelings, and YOU Learn Command Line and Batch Script Fast, Vol II: A course from the basics of Windows to the edge of networking How to Start a Business Analyst Career: The handbook to apply business analysis techniques, select requirements training, and explore job roles ... career (Business Analyst Career Guide)