Getting Started with Electronic Projects

Bill Pretty

Getting Started with Electronic Projects

Bill Pretty

Getting Started with Electronic Projects Bill Pretty
Build thrilling and intricate electronic projects using LM555, ZigBee, and BeagleBone

About This Book

- Get acquainted with fundamental concepts such as tools and circuits required for the projects
- Develop stunning cost-effective projects and build your own range of designs including flashlights, beacons, motion alarms, and wireless network alarm sensors using the LM555 timer, ZigBee, and BeagleBone
- A practical guide to developing handy electronic projects with lots of tips, tricks, and screenshots

Who This Book Is For

This book is aimed at hobbyists with basic knowledge of electronics circuits. Whether you are a novice electronics project builder, a ham radio enthusiast, or a BeagleBone tinkerer, you will love this book.

What You Will Learn

- Build an infrared beacon with the LM555 timer for someone interested in night vision
- Develop a motion detector using a mercury switch-activated car alarm sensor
- Redesign your PC sound card into a real oscilloscope and signal generator
- Build an RF power meter with some RF assembly techniques and programming skills
- Write Visual Basic software that will poll the power meter we created for readings and calculate antenna gain
- Use several ZigBee devices and a BeagleBone to create a wireless network of alarm sensors

In Detail

With Getting Started with Electronic Projects, you will create several popular electronic security projects. This practical and accessible guide will show you more than just building handy and useful electronic security projects.

Beginning with what the hams call "DC to Daylight," you will learn how to build everything from an IR Beacon to an RF power meter and a ZigBee point-to-point network. All you need to get started is a few simple tools and ordinary soldering skills.

The projects eventually become more complex when you start building an infrared flashlight using materials from a dollar store. Here you start with a IR flashing beacon and a motion sensitive alarm with a really cool on/off switch, then you move on to a black box project that will turn your sound card into an oscilloscope and eventually a ZigBee-based alarm system.

Download and Read Free Online Getting Started with Electronic Projects Bill Pretty

Download and Read Free Online Getting Started with Electronic Projects Bill Pretty

---

From reader reviews:

Vincent Peck:

Here thing why this Getting Started with Electronic Projects are different and reliable to be yours. First of all studying a book is good nonetheless it depends in the content of it which is the content is as delicious as food or not. Getting Started with Electronic Projects giving you information deeper including different ways, you can find any publication out there but there is no publication that similar with Getting Started with Electronic Projects. It gives you thrill examining journey, its open up your eyes about the thing that happened in the world which is maybe can be happened around you. You can easily bring everywhere like in recreation area, café, or even in your method home by train. If you are having difficulties in bringing the paper book maybe the form of Getting Started with Electronic Projects in e-book can be your substitute.

Pete Dominguez:

Beside this particular Getting Started with Electronic Projects in your phone, it could possibly give you a way to get nearer to the new knowledge or data. The information and the knowledge you can got here is fresh from oven so don't always be worry if you feel like an outdated people live in narrow town. It is good thing to have Getting Started with Electronic Projects because this book offers to you readable information. Do you oftentimes have book but you rarely get what it's exactly about. Oh come on, that will not end up to happen if you have this within your hand. The Enjoyable arrangement here cannot be questionable, similar to treasuring beautiful island. So do you still want to miss this? Find this book as well as read it from now!

Robert Maas:

Do you like reading a e-book? Confuse to looking for your favorite book? Or your book has been rare? Why so many query for the book? But just about any people feel that they enjoy regarding reading. Some people likes reading, not only science book but additionally novel and Getting Started with Electronic Projects as well as others sources were given expertise for you. After you know how the truly great a book, you feel want to read more and more. Science guide was created for teacher as well as students especially. Those textbooks are helping them to bring their knowledge. In some other case, beside science reserve, any other book likes Getting Started with Electronic Projects to make your spare time considerably more colorful. Many types of book like this.

Sergio Terry:

Publication is one of source of understanding. We can add our know-how from it. Not only for students but additionally native or citizen have to have book to know the upgrade information of year to year. As we know those textbooks have many advantages. Beside all of us add our knowledge, can also bring us to around the world. With the book Getting Started with Electronic Projects we can have more advantage. Don't someone to be creative people? Being creative person must love to read a book. Only choose the best book that suitable with your aim. Don't become doubt to change your life at this time book Getting Started with Electronic Projects. You can more appealing than now.

Download and Read Online Getting Started with Electronic Projects Bill Pretty #CUSODM7GANE

Read Getting Started with Electronic Projects by Bill Pretty for online ebook

Getting Started with Electronic Projects by Bill Pretty Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Getting Started with Electronic Projects by Bill Pretty books to read online.

Online Getting Started with Electronic Projects by Bill Pretty ebook PDF download

Getting Started with Electronic Projects by Bill Pretty Doc

Getting Started with Electronic Projects by Bill Pretty Mobipocket

Getting Started with Electronic Projects by Bill Pretty EPub