

# Maplin Electronic Magazine

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**Starting Electronics** - Keith Brindley 2016-01-29  
Starting Electronics is a nine-chapter introductory text to electronics based on feature articles previously published as magazine articles. The opening chapter provides an overview of the fundamentals of electronics. The succeeding chapters present details of some easy-to-do experiments

and the current and voltage measurement. The remaining chapters cover some basic components of electronics, including capacitor, integrated circuit, oscillator, filter, diodes, and transistors. This book will prove useful to electronic constructors and students.  
Analog Synthesizers: Understanding, Performing, Buying - Mark Jenkins

2019-06-18

Making its first huge impact in the 1960s through the inventions of Bob Moog, the analog synthesizer sound, riding a wave of later developments in digital and software synthesis, has now become more popular than ever. Analog Synthesizers charts the technology, instruments, designers, and musicians associated with its three major historical phases: invention in the 1960s-1970s and the music of Walter Carlos, Pink Floyd, Gary Numan, Genesis, Kraftwerk, The Human League, Tangerine Dream, and Jean-Michel Jarre; re-birth in the 1980s-1990s through techno and dance music and jazz fusion; and software synthesis. Now updated, this new edition also includes sections on the explosion from 2000 to the present day in affordable, mass market Eurorack format and other analog instruments, which has helped make the analog synthesizer sound hugely popular once again, particularly in the fields of TV

and movie music. Major artists interviewed in depth include: Hans Zimmer (Golden Globe and Academy Award nominee and winner, "Gladiator" and "The Lion King") Mike Oldfield (Grammy Award winner, "Tubular Bells") Isao Tomita (Grammy Award nominee, "Snowflakes Are Dancing") Rick Wakeman (Grammy Award nominee, Yes) Tony Banks (Grammy, Ivor Novello and Brit Awards, Genesis) Nick Rhodes (Grammy Award Winner, Duran Duran) and from the worlds of TV and movie music: Kyle Dixon and Michael Stein (Primetime Emmy Award, "Stranger Things") Paul Haslinger (BMI Film and TV Music Awards, "Underworld") Suzanne Ciani (Grammy Award Nominee, "Neverland") Adam Lastiwka ("Travelers") The book opens with a grounding in the physics of sound, instrument layout, sound creation, purchasing, and instrument repair, which will help entry level musicians as well as seasoned professionals appreciate and master the secrets of analog

sound synthesis. Analog Synthesizers has a companion website featuring hundreds of examples of analog sound created using dozens of classic and modern instruments.

Home Security Projects - Staff Maplin 1996

This title contains useful design ideas for various security devices around the home, components for which are affordable and readily available. Clear construction and installation instructions, accompanied by circuit designs, PCB layouts and a list of the necessary components, allow the reader to design anything from a gas leak detector to an electronic watchdog. Based on projects from Electronics - the Maplin Magazine, this book provides a practical guide for anyone with a basic knowledge of electronic circuit construction and allows them to put that knowledge to good use.

**Electronics Projects For Dummies** - Earl Boysen  
2011-02-23

These projects are fun to build and fun to use Make lights

dance to music, play with radio remote control, or build your own metal detector Who says the Science Fair has to end? If you love building gadgets, this book belongs on your radar.

Here are complete directions for building ten cool creations that involve light, sound, or vibrations -- a weird microphone, remote control gizmos, talking toys, and more, with full parts and tools lists, safety guidelines, and wiring schematics. Check out ten cool electronics projects, including \* Chapter 8 -- Surfing the Radio Waves (how to make your own radio) \* Chapter 9 -- Scary Pumpkins (crazy Halloween decorations that have sound, light, and movement) \* Chapter 12 -- Hitting Paydirt with an Electronic Metal Detector (a project that can pay for itself) Discover how to \* Handle electronic components safely \* Read a circuit diagram \* Troubleshoot circuits with a multimeter \* Build light-activated gadgets \* Set up a motion detector \* Transform electromagnetic waves into sound Companion Web site \*

Go to [www.dummies.com/go/electronicsprojectsfd](http://www.dummies.com/go/electronicsprojectsfd) \* Explore new projects with other electronics hobbyists \* Find additional information and project opportunities

*Electronic Circuits* - Michael H. Tooley 2006

Covering principles and applications of analog and digital electronics, this volume is an ideal pre-degree text covering major areas of 21st century electronics.

Analog Synthesizers - Mark Jenkins 2009-10-19

In this book, the technical explanation of the nature of analog sound creation is followed by the story of its birth and its subsequent development by various designers, manufacturers and performers. The individual components of analog sound creation are then examined in detail, with step by step examples of sound creation techniques. Then the modern imitative analog instruments are examined, again with detailed instructions for programming and using them,

and the book is completed with appendices listing the major instrument lines available, hints on values and purchasing, other sources of information, and a discography of readily available recordings which give good examples of analog sound synthesis. The CD which accompanies the book gives many examples of analog sound creation basics as well as more advanced techniques, and of the abilities of the individual instruments associated with classical and with imitative analog sound synthesis.

The Music Sound - Nicolae Sfetcu 2014-05-07

A guide for music: compositions, events, forms, genres, groups, history, industry, instruments, language, live music, musicians, songs, musicology, techniques, terminology, theory, music video. Music is a human activity which involves structured and audible sounds, which is used for artistic or aesthetic, entertainment, or ceremonial purposes. The traditional or classical

European aspects of music often listed are those elements given primacy in European-influenced classical music: melody, harmony, rhythm, tone color/timbre, and form. A more comprehensive list is given by stating the aspects of sound: pitch, timbre, loudness, and duration. Common terms used to discuss particular pieces include melody, which is a succession of notes heard as some sort of unit; chord, which is a simultaneity of notes heard as some sort of unit; chord progression, which is a succession of chords (simultaneity succession); harmony, which is the relationship between two or more pitches; counterpoint, which is the simultaneity and organization of different melodies; and rhythm, which is the organization of the durational aspects of music.

**Manual of Analogue Sound Restoration Techniques** - Peter Copeland 2008

**Willing's Press Guide** - 2001

*Benn's Media* - 1993

Holograms - Sean Johnston 2016

This volume examines the history of the use of the hologram. Holograms are photographs of interference patterns that, when suitably illuminated, produce three-dimensional images. In its pure form, holography requires the use of laser light for illuminating the subject and for viewing the finished hologram. This work explores how holograms became embedded in modern popular culture. It traces their cultural roots in earlier visual technologies such as stereoscopes and 3-D movies, and examines how holograms of bewildering varieties added novel types of visual spectacle and appeal.

*Valve Amplifiers* - Morgan Jones 2003-08-28

Morgan Jones' *Valve Amplifiers* has been widely recognised as the most complete guide to valve amplifier design, modification, analysis, construction and maintenance written for over 30 years. As such it is unique in presenting the essentials of 'hollow-state'

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electronics and valve amp design for engineers and enthusiasts in the familiar context of current best practice in electronic design, using only currently available components. The author's straightforward approach, using as little maths as possible, and lots of design knowhow, makes this book ideal for those with a limited knowledge of the field as well as being the standard reference text for experts in valve audio and a wider audience of audio engineers facing design challenges involving valves. Design principles and construction techniques are provided so readers can devise and build from scratch designs that actually work. Morgan Jones takes the reader through each step in the process of design, starting with a brief review of electronic fundamentals relevant to valve amplifiers, simple stages, compound stages, linking stages together, and finally, complete designs. Practical aspects, including safety, are addressed

throughout. The third edition includes a new chapter on distortion and many further new and expanded sections throughout the book, including: comparison of bias methods, constant current sinks, upper valve choice, buffering and distortion, shunt regulated push-pull (SRPP) amplifier, use of oscilloscopes and spectrum analysers, valve cooling and heatsinks, US envelope nomenclature and suffixes, heater voltage versus applied current, moving coil transformer source and load terminations. \* The practical guide to analysis, modification, design, construction and maintenance of valve amplifiers \* The fully up-to-date approach to valve electronics \* Essential reading for audio designers and music and electronics enthusiasts alike

PIC in Practice - David W Smith  
2006-01-16

PIC in Practice is a graded course based around the practical use of the PIC microcontroller through project work. Principles are introduced

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gradually, through hands-on experience, enabling students to develop their understanding at their own pace. Dave Smith has based the book on his popular short courses on the PIC for professionals, students and teachers at Manchester Metropolitan University. The result is a graded text, formulated around practical exercises, which truly guides the reader from square one. The book can be used at a variety of levels and the carefully graded projects make it ideal for colleges, schools and universities. Newcomers to the PIC will find it a painless introduction, whilst electronics hobbyists will enjoy the practical nature of this first course in microcontrollers. PIC in Practice introduces applications using the popular 16F84 device as well as the 16F627, 16F877, 12C508, 12C629 and 12C675. In this new edition excellent coverage is given to the 16F818, with additional information on writing and documenting software. Gentle introduction to using PICs for electronic

applications Principles and programming introduced through graded projects Thoroughly up-to-date with new chapters on the 16F818 and writing and documenting programs

**Electronic Circuits - Fundamentals & Applications** - Mike Tooley  
2007-06-07

Electronic Circuits is a unique combination of a comprehensive reference text and a practical electronics handbook in one volume. Mike Tooley provides all the essential information required to get to grips with the fundamentals of electronics, detailing the underpinning knowledge necessary to appreciate the operation of a wide range of electronic circuits, including amplifiers, logic circuits, power supplies and oscillators. The third edition now offers an even more extensive range of topics, with extended coverage of practical areas such as circuit construction and fault finding, and new topics including circuit simulation, electronic

CAD and a brand new chapter devoted to the PIC microcontroller. A new companion website at <http://www.key2electronics.com> offers the reader a set of spreadsheet design tools that can be used to simplify circuit calculations, as well as circuit models and templates that will enable virtual simulation of circuits in the book. These are accompanied by on-line self-test MCQs per chapter with automatic marking, to enable students to continually monitor their own progress and understanding. A bank of on-line questions for lecturers to set as assignments is also available on <http://textbooks.elsevier.com>. The book's content is matched to the latest pre-degree level courses (from Level 2 up to, and including, Foundation Degree and HND), making this an invaluable reference text for all study levels, and its broad coverage is combined with practical case studies, based in real-world engineering contexts throughout the text. The unique combination of a

comprehensive reference text, incorporating a primary focus on practical application, ensures this text will prove a vital guide for students and also for industry-based engineers, who are either new to the field of electronics, or who wish to refresh their knowledge. Yet unlike general electronics reference texts available, Electronic Circuits offers this essential information at an affordable price.

**Geographical Magazine** - 1997-05

**Computer Interfacing** - Graham Dixey 2014-06-28

This book explains how computers interact with the world around them and therefore how to make them a useful tool. Topics covered include descriptions of all the components that make up a computer, principles of data exchange, interaction with peripherals, serial communication, input devices, recording methods, computer-controlled motors, and printers. In an informative and straightforward manner,

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Graham Dixey describes how to turn what might seem an incomprehensible 'black box' PC into a powerful and enjoyable tool that can help you in all areas of your work and leisure. With plenty of handy tips and clear illustrations this book can improve your computer system, and even shows new uses for old kit such as motor control. Catalogue of Periodicals and Continuations - 1997

Music Projects - R A Penfold 1994

Music Projects contains a collection of projects based on music applications. Components are widely available and the circuits form the basis for further experiments. Circuit diagrams are provided, as are photographs of the main circuits. Parts lists are also given. Robert Penfold's reputation for innovative circuit designs and well-thought out projects is firmly established. His work has been featured regularly in the popular 'Bob's Mini Circuits'

section of Electronics, the Maplin magazine. This is a collection of his best ideas from the magazine. Projects include an accented metronome, a tremolo unit, a guitar compressor, a bass fuzz, and a chorus unit.

**Brilliant LED Projects: 20 Electronic Designs for Artists, Hobbyists, and Experimenters** - Nick Dossis 2012-04-02

LET YOUR CREATIVE SIDE SHINE WITH THE COMPLETE DIY GUIDE TO MAKING EXCITING LED DEVICES  
Brilliant LED Projects presents 20 hands-on, step-by-step projects for you to make using inexpensive, commonly available components. Projects range from simple, functional devices, such as a "green" LED flashlight and a flashing rear bike light, to more complex designs, including color-changing disco lights and persistence-of-vision (POV) gadgets--all featuring easy-to-follow instructions, highlighted with detailed illustrations. Build with confidence using this book's expert guidance and

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practical information, including overviews of various LED components, comprehensive listings of tool and supplies, sample clock and driver circuit building blocks, and more. A companion website gives you access to exclusive content, including downloadable assembly codes and programming codes (for the projects powered by the PIC 16F628 microcontroller). Plus, every chapter spotlights key concepts and techniques that make it easy and enjoyable for you to produce eye-catching LED displays. Great for first-timers and expert hobbyists alike All projects can be built with stripboard--no need to translate complicated schematics, or purchase special PCBs Includes extensive guidelines for safe assembly Learn the basic principles of every project component--from LEDs to dot-matrix displays and various integrated circuits Create your own designs using building blocks and assembly techniques from the book's projects

Audio IC Projects - Keith Brindley 2013-10-22

Each of the projects in this collection of data files provides a 'building block' which constructors can use to experiment with components and use as a starting point for further development. This book will thus provide a toolkit for building audio systems and circuits based on readily available components using straightforward techniques. Maplin staff are experienced providers of project ideas with useful features and many applications. Each of the circuits in this book are based around readily available chips, and provide an excellent way to become familiar with the characteristics of the chip as well as providing construction details for useful projects. Each includes pinouts and pin designations, output waveforms, parts lists, circuit diagrams, PCB layouts and photographs of the boards. The projects described in this book are based on those appearing in the popular Data Files feature in Electronics, the

Maplin Magazine.  
*Electronic Circuits Handbook* -  
Michael H. Tooley 1993

Willing's Press Guide and  
Advertisers' Directory and  
Handbook - 2002

### **Test Gear and**

**Measurements** - David  
Stewart OBE D.Litt.h.c.  
2016-06-23

This book provides a clear introduction to test gear in the field of electronics. As well as being a first guide to test gear and its use, the book includes much practical information and reference material for the more experienced electronics enthusiast or student. Based on a collection of feature articles originally published in *Electronics* - the Maplin Magazine, this work by Danny Stewart is sure to be useful to electronics constructors, students and experimenters alike. Details of all the common (and some not-so-common) items of test gear are included, alongside information regarding its use in various measurement situations.

**Current British Journals** -  
David P. Woodworth 1989

**Benn's Media Directory** -  
1991

*The Maplin Electronic Circuits  
Handbook* - Michael Tooley  
2015-04-30

The Maplin Electronic Circuits Handbook provides pertinent data, formula, explanation, practical guidance, theory and practical guidance in the design, testing, and construction of electronic circuits. This book discusses the developments in electronics technology techniques. Organized into 11 chapters, this book begins with an overview of the common types of passive component. This text then provides the reader with sufficient information to make a correct selection of passive components for use in the circuits. Other chapters consider the various types of the most commonly used semiconductor devices. This book discusses as well the correct operation of the power

supply, which is crucial to most electronic circuits. The final chapter deals with the final Maplin project, Gavin Cheeseman's DigiDice, which makes use of digital rather than analog methods and neatly shows how electronics can be put to use in a novel yet familiar application. This book is a valuable resource for electronic engineers, students and electronics enthusiasts.

**Electronic Circuits: Fundamentals and Applications** - Mike Tooley 2002

The essential textbook for students following pre-degree level courses, technician engineers, and all who need to access a straightforwardly written reference covering all the major areas of 21st century electronics. Mike Tooley's classic reference texts *Electronic Circuits Handbook* and *Electronic Circuits Students Handbook* have long offered a unique coverage of analog and digital electronics and applications in a single volume. The two versions of this title have now been

combined to produce a major textbook which combines comprehensive coverage of principles and applications with readability and ease of use. New material on communications engineering, test and measurement and fault-finding bring the coverage up-to-date with the latest developments and reinforce the relevance of this text for a wide range of electronics courses, for maintenance and operations engineers as well as those following traditional electronics courses. The coverage has been matched to the latest UK pre-degree syllabuses: AVCE and the new 2001/2 BTEC National specifications, as well as the relevant City & Guilds certificates and NVQ schemes. However, the book is designed as a reference text, meeting the needs of students, amateurs and professionals.

**Starting Electronics** - Keith Brindley 1994-01-01

**High Performance Audio Power Amplifiers** - Ben

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Duncan 1996-11-14

Power amplifiers and their performance lie at the heart of audio engineering and provide some challenging problems for the engineer. Ben Duncan's experience, as an audio consultant, analog electronics designer and author, give him an unique insight into this difficult but rewarding field. Linking analog electronics, acoustics, heat and music technology; high-end hi-fi and professional PA and recording studio use; theory, modelling and real-world practice; design and repair; the old and the new, the mainstream and the specialised, this comprehensive guide to power amps is a core reference for anyone in the industry, and any interested onlookers. Ben Duncan is well known to many users of audio power amplifiers around the world, both professional and domestic, through his articles, reviews and research papers on music technology in the UK and US press, and through his part in creating several notable professional power amplifiers. Since 1977, he has been

involved in the design of over 70 innovative, high-end audio products used by recording and broadcast studios, on stages, in clubs and by the most critical domestic listeners - as well as creating bespoke equipment for top musicians. Born in London, he has travelled widely but has lived mainly in Lincolnshire, home of his family for over 150 years. He is twice co-author of the book *Rock Hardware* in which he has chronicled the history of rock'n'roll PA. Reprinted with corrections September 1997 Comprehensive and colourful real-life guide Based on wide experience of audio and music technology Well-known and prolific author in the hi-fi and pro-audio press

*Test Gear and Measurements* - Danny Stewart 1996

This book provides a clear introduction to test gear in the field of electronics. As well as being a first guide to test gear and its use, the book includes much practical information and reference material for the more experienced electronics enthusiast or student. Based on

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a collection of feature articles originally published in Electronics - the Maplin Magazine, this work by Danny Stewart is sure to be useful to electronics constructors, students and experimenters alike. Details of all the common (and some not-so-common) items of test gear are included, alongside information regarding its use in various measurement situations.

**Ulrich's International Periodicals Directory** - Carolyn Farquhar Ulrich 1999

**Ambient Music** -

**Electronic Circuits** - Mike Tooley 2019-11-07  
Electronics explained in one volume, using both theoretical and practical applications. Mike Tooley provides all the information required to get to grips with the fundamentals of electronics, detailing the underpinning knowledge necessary to appreciate the operation of a wide range of electronic circuits, including amplifiers, logic circuits, power supplies and oscillators. The

5th edition includes an additional chapter showing how a wide range of useful electronic applications can be developed in conjunction with the increasingly popular Arduino microcontroller, as well as a new section on batteries for use in electronic equipment and some additional/updated student assignments. The book's content is matched to the latest pre-degree level courses (from Level 2 up to, and including, Foundation Degree and HND), making this an invaluable reference text for all study levels, and its broad coverage is combined with practical case studies based in real-world engineering contexts. In addition, each chapter includes a practical investigation designed to reinforce learning and provide a basis for further practical work. A companion website at <http://www.key2electronics.com> offers the reader a set of spreadsheet design tools that can be used to simplify circuit calculations, as well as circuit models and templates that will

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enable virtual simulation of circuits in the book. These are accompanied by online self-test multiple choice questions for each chapter with automatic marking, to enable students to continually monitor their own progress and understanding. A bank of online questions for lecturers to set as assignments is also available.

**Basic Radio** - Ian Poole  
1998-03-05

Basic Radio is a wide ranging introduction to the principles of radio waves, transmission and reception, and to the technologies of broadcasting, satellite and personal communications. As well as being a textbook for vocational courses such as City & Guilds and BTEC Ian Poole's book is essential reading for all communications and broadcast professionals. Radio technology is becoming increasingly important in today's highly sophisticated electronics industry. There are traditional uses including broadcasting and point to point communications, as well as new technologies associated

with cellular phones and wireless data links. All of these developments mean that there will be a greater need for radio engineers at all levels. Ian Poole is an electronic engineer currently involved in project management for the development of a large radio system. He is a regular contributor to *Electronic* - The Maplin Magazine, *Everyday Practical Electronics* and *Practical Wireless*. He has also written several books on amateur radio. An accessible introduction to radio engineering Suitable for FE students, technicians and hobbyists Covers the latest technologies: cellular phones, wire-less data links  
[Auto Electronics Projects](#) - Maplin 2013-10-22  
Many car owners find the mechanics of their vehicle relatively familiar ground, but struggle when faced with the electrics. Increasingly vehicle design depends on a bewildering array of more advanced electronics. This book helps the reader to understand more about car

electrics and its workings, and therefore should help with fault diagnosis. It includes the latest developments such as electronic ignition, described in a way that is accessible to anyone with a basic grasp of electricity. In addition this is a collection of projects, each a practical, useful and proven design. These projects provide an array of elegant and affordable solutions from a digital tachometer, a lights-on warning indicator, a digital device to calculate fuel consumption, and some basic alarm and audio designs. Most importantly, all components and devices described in this book are readily available; readers can be confident of obtaining all the parts and equipment from Maplin either through their catalogue or their network of high street stores. Based on projects from Electronics, the Maplin Magazine, this compendium will spark the interest of anyone who wishes to put their electronics skills to good and fruitful use. Other books in the Maplin Series include: Starting

Electronics - all you need to get a grounding in practical electronics. Computer Interfacing - a general introduction to computers covering all aspects of hardware and how they interface. Logic Design - an introduction to digital logic. Music Projects - straightforward design ideas to build. Audio IC Projects - a collection of useful circuits based on readily available chips. TV and Video Projects - a collection of useful and proven design ideas.

*American Book Publishing Record* - 1996-05

### **Power Control Circuits**

**Manual** - R. M. Marston 1997

Electronic power control circuits can be used to control (either manually or automatically), for instance, the brilliance of lamps, the speed of motors, the temperature of heating devices such as electric fires or radiators, or the loudness of audio signals. This control can be achieved using electromechanical switches or



relays, or electronic components such as transistors, SRCs, TRIACs, or power ICs. This book takes an in-depth look at the whole subject of electronic power control, covers everything from basic principles to AC power control data and modern house re-wiring, and presents a vast range of useful circuits and diagrams. Newnes Circuits Manuals cover a wide range of electronics subjects in an easy-to-read and non-mathematical manner, presenting the reader with many practical applications and circuits. They are specifically written for the practising design engineer, technician, and the experimenter, as well as the electronics students and amateur. The ICs and other devices used in the practical circuits are modestly priced and readily available types, with universally recognised type numbers. Ray Marston has proved, through hundreds of circuits articles and books, that he is one of the leading circuit designers and writers in the world. He has written

extensively for Popular Electronics, Electronics Now, Electronics - The Maplin Magazine, Electronics and Wireless World, Electronics Today International and Electronics Australia, amongst others. Other Circuits Manuals include: Modern CMOS, Audio IC, Modern TTL, Electronic Alarm and Instrumentation and Test Gear Circuits Manuals. *Power Supply Projects* - Maplin 2013-10-22

Using circuit diagrams, PCB layouts, parts lists and clear construction and installation details, this book provides everything someone with a basic knowledge of electronics needs to know in order to put that knowledge into practice. This latest collection of Maplin projects are a variety of power supply projects, the necessary components for which are readily available from the Maplin catalogue or any of their high street shops. Projects include, laboratory power supply projects for which there are a wide range of applications for the hobbyist, from servicing portable audio

and video equipment to charging batteries; and miscellaneous projects such as a split charge unit for use in cars or similar vehicles when an auxiliary battery is used to power 12v accessories in a caravan or trailer. Both useful and innovative, these projects are above all practical and affordable.

**Current British Journals - 1992**

**Basic Electronics for Tomorrow's Inventors : A Thames and Kosmos Book - Nick Dossis 2012-11-19**

Learn about electronics with fun experiments and projects Created in partnership with Thames & Kosmos, Basic Electronics for Tomorrow's Inventors introduces you to essential electronics concepts through fun, do-it-yourself projects. You'll get tips for setting up your home workbench, safely handling materials, and creating a variety of entertaining gadgets. All of the projects and experiments use inexpensive, readily available electronic

components and different types of breadboard, which creates a plug-and-play environment for you to build electronic circuits—no soldering required! Inside you'll find: Things You'll Need--lists of all the electronic components and equipment required for each experiment A Circuit Diagram-- shows how each of the electronic components are connected to produce the experiment How the Circuit Works--identifies the building blocks used to make the circuit and helps you read circuit diagrams Breadboard Layout-- close-up photographs that guide you in building each electronic circuit Time to Experiment--explains how to get your experiment working Step-by-step projects include: Phone experiments Make an LED light up Make an LED flash Create colors with an RGB LED Build a working telephone Dashboard experiments Create indicator lights Build a temperature sensor Make an electronic horn Set up a water sensor Security experiments Design a basic

alarm circuit Make a pressure-sensitive mat Create a touch-activated alarm Build an electronic security keypad Make a reading light that switches on when it goes dark

Electronic game experiments Create a random number generator Flip an electronic coin Get ready for infrared target practice Build a sound-effects generator