

Radio Receiver Projects You Can Build By Homer L Davidson

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Electronics Projects Vol. 5 - EFY Enterprises Pvt Ltd 2009-11

Making a Transistor Radio - G.C. Dobbs 1978

The Radio Sky and How to Observe It - Jeff Lashley 2010-11-19

Radio astronomy is far from being beyond the scope of amateurs astronomers, and this practical, self-contained guide for the newcomer to practical radio astronomy is an ideal introduction. This guide is a must for anyone who wants to join the growing ranks of 21st Century backyard radio astronomers. The first part of the book provides background material and explains (in a non-mathematical way) our present knowledge of the stronger radio sources - those observable by amateurs - including the Sun, Jupiter, Meteors, Galactic and extra-galactic sources. The second part of the book deals not only with observing, but - assuming no prior technical knowledge of electronics or radio theory - takes the reader step-by-step through the process of building and using a backyard radio telescope. There are complete, detailed plans and construction information for a number of amateur radio telescopes, the simplest of which can be put together and working - using only simple tools - in a weekend. For other instruments, there are full details of circuit-board layouts, components to use and (vitally important in radio

astronomy) how to construct antennae for radio astronomy.

Popular Science - 1952-09

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

Fun with Electronics - Lyle Russell Williams 2016-06-12

Electronic projects for adults and children, you can: Build your own AM radio receiver Build your own FM radio receiver Build your own shortwave radio receiver Build an AM transmitter to have your own radio station Build three types of headphone amplifiers Build a stereo power amplifier based on the op-amp Create funky oscilloscope patterns Learn how to program computers Learn how to simulate an electronic circuit's operation without actually building it

Popular Mechanics - 1945-02

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Secrets of RF Circuit Design - Joseph J. Carr 2001-01-01

BUILD THE CIRCUITS THAT MAKE WIRELESS WORK If you like hands-on electronics, you'll love *Secrets of RF Circuit Design, Third Edition*, by Popular Electronics writer Joe Carr. This update of the favorite RF circuit guide of thousands of electronics enthusiasts takes you inside wireless technology with step-by-step, illustrated directions for dozens of usable projects. This super guide demonstrates RF theory as it shows you how to overcome the technical and materials challenges facing those who build real-world electronics. You learn how to design and build receiver circuits, RF bridges, amplifiers, receiver preselectors, simple spectrum analyzers, and time domain reflectometers. You get detailed insights into simple RF instruments, as well as UHF and microwave components...complete troubleshooting guidance...and handy parts lists and components sources. This new edition packs the latest information on directional and hybrid couplers, and seven new chapters on demodulators, circuit vectors, measuring L-C circuits, and filtering circuits against EMI. "...a great book on wireless technology for persons starting out in RF electronics, as well as for RF technicians and ham radio operators." --Cotter W. Sayre, author of *The Complete RF Technician's Handbook* (Amazon.com review)

Build Your Own Transistor Radios - Ronald Quan 2012-11-22

A DIY guide to designing and building transistor radios Create sophisticated transistor radios that are inexpensive yet highly efficient. *Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits* offers complete projects with detailed schematics and insights on how the radios were designed. Learn how to choose components, construct the different types of radios, and troubleshoot your work. Digging deeper, this practical resource shows you how to engineer innovative devices by experimenting with and radically improving existing designs. *Build Your Own Transistor Radios* covers: Calibration tools and test generators TRF, regenerative, and reflex radios Basic and advanced superheterodyne radios Coil-less and software-defined radios Transistor and differential-pair oscillators Filter and amplifier design techniques Sampling theory and sampling mixers In-phase, quadrature, and AM broadcast signals Resonant, detector, and

AVC circuits Image rejection and noise analysis methods This is the perfect guide for electronics hobbyists and students who want to delve deeper into the topic of radio. *Make Great Stuff! TAB*, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

21 Simple Transistor Radios You Can Build - Ronald Horace Warring 1975

Getting Started in Radio Astronomy - Steven Arnold 2013-09-24

Radio astronomy is a mystery to the majority of amateur astronomers, yet it is the best subject to turn to when desirous of an expanded knowledge of the sky. This guide intends to instruct complete newcomers to radio astronomy, and provides help for the first steps on the road towards the study of this fascinating subject. In addition to a history of the science behind the pursuit, directions are included for four easy-to-build projects, based around long-term NASA and Stanford Solar Center projects. The first three projects constitute self-contained units available as kits, so there is no need to hunt around for parts. The fourth - more advanced - project encourages readers to do their own research and track down items. *Getting Started in Radio Astronomy* provides an overall introduction to listening in on the radio spectrum. With details of equipment that really works, a list of suppliers, lists of online help forums, and written by someone who has actually built and operated the tools described, this book contains everything the newcomer to radio astronomy needs to get going.

Popular Mechanics - 1948-10

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Popular Science - 1952-12

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that *Popular Science*

and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

More Qrp Power - Mark Wilson 2006

[Build Your Own Low-Power Transmitters](#) - Rudolf F. Graf 2001-08-03

"This comprehensive book addresses applications for hobbyist broadcasting of AM, SSB, TV, FM Stereo and NBFM VHF-UHF signals with equipment readers can build themselves for thousands of dollars less than similar equipment sold on the retail market. The authors fully explore the legal limits and ramifications of using the equipment as well as how to get the best performance for optimum range. The key advantage is referencing a low-cost source for all needed parts, including the printed circuit board, as well as the kit. Complete source information has been included to help each reader find the kits and parts they need to build these fascinating projects."--BOOK JACKET.

Boys' Life - 1957-03

Boys' Life is the official youth magazine for the Boy Scouts of America. Published since 1911, it contains a proven mix of news, nature, sports, history, fiction, science, comics, and Scouting.

The Radio Amateur's Hand Book (Annotated) - A Frederick Collins 2020-08-31

Before delving into the mysteries of receiving and sending messages without wires, a word as to the history of the art and its present day applications may be of service. While popular interest in the subject has gone forward leaps and bounds within the last two or three years, it has been a matter of scientific experiment for more than a quarter of a century. The wireless telegraph was invented William Marconi, at Bologna, Italy, in 1896, and in his first... (more)

Popular Science - 1953-03

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

84 Practical IC Projects You Can Build - Ronald H. Warring 1979

Incredible Audio & Video Projects You Can Build - Rudolf F. Graf 1994

Beginning Digital Electronics through Projects - Andrew Singmin 2001-01-22

Digital electronics is a little more abstract than analog electronics, and trying to find a useful starter book can be tough. For those interested in learning digital electronics, with a practical approach, Beginning Digital Electronics Through Projects is for you. It is published in the same tradition as Beginning Analog Electronics Through Projects, Andrew Singmin's revision to the popular Beginning Electronics Through Projects. Beginning Digital Electronics Through Projects provides practical exercises, building techniques, and ideas for over thirty-five useful digital projects. Some digital logic knowledge is necessary, but the theory is limited to "need-to-know" information that will allow you to get started right away without complex math. Many components in this text are common to either analog or digital electronics, and beginners or hobbyists making their start here will find an overview of commonly used components and their functions described in everyday terms. Each of the projects builds on the theory and component knowledge developed in earlier chapters, establishing progressively more ambitious goals. Step-by-step learning instructions help you determine the best ways of working with such projects as Schmitt Trigger Circuits, Versatile ICs, Digital Support Circuits, and much more. Two interesting wireless projects (an FM receiver and an FM transmitter) bring the final chapters of this book to a close. Provides a logical step by step project-based way to learn the basics of digital electronics Gives the reader hands-on learning experiences through building simple projects Explains circuit design, circuit testing, and how to design your own projects

The Boy Electrician - Alfred Powell Morgan 1914

[Radio Receiver Design](#) - Kevin McClaning 2000

This reference presents a systematic discussion of the characteristics of receiver components and cascade performance with numerous examples. Written by engineers for engineers, this text focuses on useful and

proven concepts that can be used daily by working engineers and offers the most comprehensive discussion of basic concepts, techniques, and design implications available today.

Raspberry Pi Robotics Projects - Second Edition - Richard Grimmett
2015-04-30

This book is for enthusiasts who want to use the Raspberry Pi to build complex robotics projects. With the aid of the step-by-step instructions in this book, you can construct complex robotics projects that can move, talk, listen, see, swim, or fly. No previous Raspberry Pi robotics experience is assumed, but even experts will find unexpected and interesting information in this invaluable guide.

22 Radio and Receiver Projects for the Evil Genius - Thomas Petruzzellis 2007-10-15

Projects include: FM radios, aircraft radios, VHF ham radio receivers, VHF public service radio, old-time radio tubes, shortwave receivers, and free energy receivers Covers early radio models such as crystal radio as well as more contemporary options Appeals to skill levels from novice to advanced

Boys' Life - 1957-02

Boys' Life is the official youth magazine for the Boy Scouts of America. Published since 1911, it contains a proven mix of news, nature, sports, history, fiction, science, comics, and Scouting.

Ham Radio For Dummies - H. Ward Silver 2018-03-02

Your how-to guide to become a ham Ham radio, or amateur radio, is a way to talk with people around the world in real-time, or to send email without any sort of internet connection. It provides a way to keep in touch with friends and family, whether they are across town or across the country. It is also a very important emergency communication system. When cell phones, landlines, the internet, and other systems are down or overloaded, Amateur Radio still gets the message through. Radio amateurs, often called "hams," enjoy radio technology as a hobby, but are often called upon to provide vital service when regular communications systems fail. Ham Radio For Dummies is your guide to everything there is to know about ham radio. Plus, this updated edition

provides new and additional information on digital mode operating, as well as use of amateur radio in student science and new operating events. • Set up your radio station • Design your ham shack • Provide support in emergencies and communicate with other hams • Study for the licensing exam and choose your call sign If you're looking to join a college radio club or just want to learn the latest tips and tricks, this book is a helpful reference guide to beginners, or those who have been "hams" for years.

Boys' Life - 1957-01

Boys' Life is the official youth magazine for the Boy Scouts of America. Published since 1911, it contains a proven mix of news, nature, sports, history, fiction, science, comics, and Scouting.

The A.R.R.L. Antenna Book - 2003

Hardware Hacking Projects for Geeks - Scott Fullam 2004-01-28

A collection of unusual projects for computer hardware geeks of all ages explains how to create such projects as a personal Lojack system, Web-enabled coffee machine, cubicle intrusion detection systems, and a laptop battery extender.

Build Your Own Intelligent Amateur Radio Transceiver - Randy Lee Henderson 1996-12-01

Filled with tested, hands-on projects that really work, this great reference features single-sided circuit boards that are easy to build and includes detailed circuit-board layouts and extensive parts lists.

(Technology)

Making Transistor Radios - R. H. Warring 1976

Popular Science - 1945-02

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

The Boys' First Book of Radio and Electronics - Alfred Powell Morgan 1954

Radio and Electronics Cookbook - RSGB 2001-07-02

Electronics basics as you work through the book.

49 Easy-to-build Electronic Projects - Robert Michael Brown 1981

Solid-state Projects You Can Build - Rudolf F. Graf 1986

Secrets of RF Circuit Design - Joseph J. Carr 1991

A hobbyist's guide to radio-frequency circuit theory, experimentation, and practical applications.

22 Radio and Receiver Projects for the Evil Genius - Thomas Petruzzellis
2007-09-24

MORE THAN JUST SLIGHTLY EVIL: SAFE, INEXPENSIVE, EDUCATIONAL . . . AND FUN! 22 Radio and Receiver Projects for the Evil Genius features a unique collection of projects that teach you radio and electronics essentials such as the radio spectrum, how to read schematics, and how to solder. After each project is completed, you can enjoy listening to and using their new receiver.

Instruments of Amplification - 2003

Radio Receiver Projects You Can Build - Homer L. Davidson 1993

If you're a student or hobbyist who enjoys working with electronics, you'll love this project-packed book. It puts at your fingertips the hands-on guidance you need.