Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits

Ronald Quan
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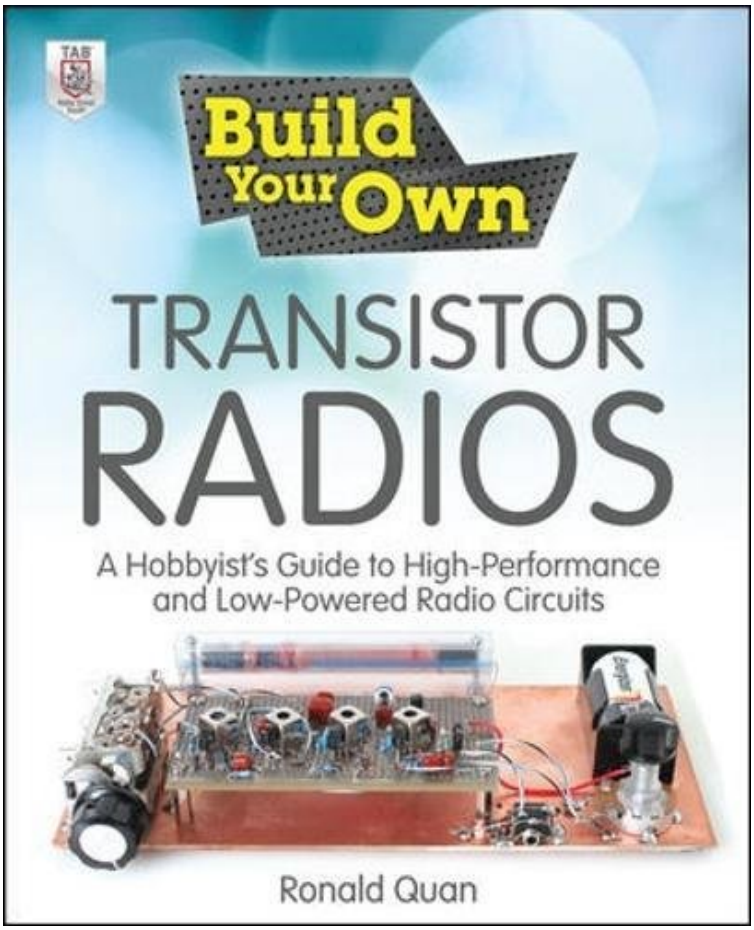

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Ronald Quan : Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits before purchasing it in order to gage whether or not it would be worth my time, and all praised Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits:

18 of 18 people found the following review helpful. Good book for the novice to intermediate hobbyistBy S UlrichThe author does a nice review of the basic types of AM radios. The projects use currently available parts and the plans all look workable. I particularly enjoyed the write up about SDR radios. For fun I ordered up the parts to build the superhet using the 455 KHz ceramic resonators. The parts I needed just showed up from Mouser who had them in stock. The plan looks sound and I'm expecting it to work. If you like to build electronic devices you will have fun with this book. Many of the designs can be easily reworked for other frequencies.15 of 15 people found the following

review helpful. Don't be fooled by the titleBy jrlThis is really an excellent laboratory manual suitable for beginners but sophisticated enough to be useful in a university electronics lab course. If you want to learn electronics the hands-on way which is the best way I recommend this book. It is devoted primarily to radio receivers and takes you from the very basics, to super heterodyne, and even touches on SDR.If I had not heard an interview of the author on the podcast "The Amp Hour," I would not have considered this book just because of the title.24 of 25 people found the following review helpful. A nice, interesting book for tinkerersBy Paul M. HardenAt first, I was a bit disappointed in the book, as the first few chapters were very elementary for the rank amateur or beginning hobbyist. However, the following chapters quickly delved into some good transistor radio projects, with the later chapters devoted to the theory (and math) of the receiver circuitry and the energy saving (low power) techniques. It was a good read, plenty of fodder for some future projects, and a nice reference book for my electronics library as well. Very well written and easy to read schematics. You will get something out of it and learn a few things regardless of your knowledge level.

A DIY guide to designing and building transistor radiosCreate sophisticated transistor radios that are inexpensive yet highly efficient. Build Your Own Transistor Radios: A Hobbyists 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 methodsThis is the perfect guide for electronics hobbyists and students who want to delve deeper into the topic of radio. Overall, this extremely well written and comprehensively illustrated guide and reference deserves a place on the inquisitive radio amateur's bookshelf. QSTI would definitely recommend this book to novices and all hobbyists and engineers who have not have much practical exposure to radio design and development. EDNMake Great Stuff!TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

About the AuthorRonald Quan is a member of SMPTE, IEEE, and the AES. He worked on the design of wideband FM detectors for an HDTV tape recorder at Sony Corporation, and a twice-color subcarrier frequency (7.16 MHz) NTSC vector-scope for measuring differential phase and gain for Macrovision, where he was a Principal Engineer. Ronald currently holds at least 65 US patents in the areas of analog video processing, low noise audio and video amplifier design, low distortion voltage controlled amplifiers, wide band crystal VCOs, video monitors, audio and video IQ modulation, audio and video scrambling, bar code reader products, audio test equipment, and video copy protection.