



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

By Ronald Quan

McGraw-Hill Education - Europe, United States, 2013. Paperback. Book Condition: New. 228 x 184 mm. Language: English . Brand New Book. A do-it-yourself collection of innovative, high-quality projects for electronics enthusiasts Build Your Own Transistor Radios pushes the envelope of DIY radio designs. Ronald Quan, an electronics engineer with more than 65 patents, presents a range of projects, suitable for advanced beginners and more experienced engineers, that go far beyond the standard crystal sets of the past. This book covers traditional radios -- TRF (Tuned Radio Frequency), reflex, regenerative, and super-heterodyne topologies - as well as front-end circuit designs for SDR (Software Defined Radio), the emerging future standard for radio technology. Using widely available materials and the book's easy-to-follow plans, you can make radios that run for years on a single battery (even an organic potato battery or minimal solar cell array). Other projects include simple TRFs with enhanced reception performance; reflex radios that amplify both audio and radio frequency signals in a single unit; a green superheterodyne receiver, comparable in quality to commercially manufactured sets, but with vastly extended battery life; and other high-performance, low-power-consumption designs. Provides practical circuits for the hobbyist that use easily available off-the-shelf parts...



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