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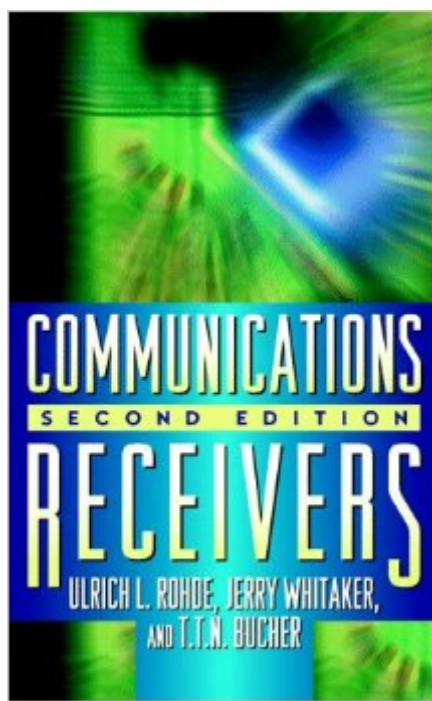
Communications Receivers

Synopsis

For professional-level information, this classic work has long been considered the definitive guide to both theory and design of all types of communications receivers including shortwave, military, broadcast, and direction-finding.Now the new edition builds on the reputation of its best-selling predecessor. Completely revised throughout, it features the latest advances in cellular and digital systems ... basic discussions of selectivity and dynamic range ... specifics on design approaches, circuitry, and components ... details on the use of microprocessors and logic devices ... coverage of special modes such as pulse and data ... and more.

Book Information

Hardcover: 669 pages

Publisher: Mcgraw-Hill (Tx); 2 Sub edition (January 15, 1997)

Language: English

ISBN-10: 0070536082

ISBN-13: 978-0070536081

Product Dimensions: 1.8 x 6.5 x 9.5 inches

Shipping Weight: 2.4 pounds

Average Customer Review: 5.0 out of 5 stars See all reviews (3 customer reviews)

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Customer Reviews

I pass along the review by Karl-Otto Mã ller in News from Rohde & Schwarz, Number 157 (1998/I):This book is the revised edition of a comprehensive work on receiver design that first appeared in 1988. Following a general introduction to radio reception technology and a historical review, it looks at the principles of the major parts of a receiver and gives a wealth of details about designing them. For every aspect there are examples of circuits that have already been built and tried in practice. There is also a whole section on receiving antennas that is very well worth reading.Revision naturally focused on those areas where there have been the biggest technical advances in recent years, in frequency synthesis and the application of digital signal processing. But a comparison of the two editions shows that the earlier one still reflects the state of the art in very many respects, especially in the case of the analog high-tech solutions presented for mixers,

for instance.The book is divided into ten chapters, each finishing with many useful recommendations for further reading. This makes up for the fact that the book itself, because of its wide-ranging subject matter, cannot go into everything in depth. Overall the book is a valuable source of information for anyone involved in designing communications receivers.

Into this very interesting book, I found a lot of good data to improve my knowledge in the radio receiver design. All my new realizations now take advantage by the data, circuit comparisons and architectural design constraints contained in the book. Many thanks to Ulrich for sharing his skill !

The book delivers what it says it is going to deliver. I like the depth to which he discusses technical topics. It's a good book.

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