

The ARRL Antenna Book

Build one antenna, and you'll quickly find yourself planning the next. **The ARRL Antenna Book for Radio Communications** is devoted entirely to that pioneering spirit. In this one book, you will find all of the information you need for complete antenna systems—from planning, to design and construction. **The Antenna Book** describes antennas for nearly any frequency range and operating application: from the HF low bands through VHF, UHF and microwave; fixed station, portable, mobile, maritime, satellite and more!

Every chapter of this 22nd Edition has been updated or rewritten to some degree, including entirely new chapters on limited-space antennas, portable and mobile antennas, receiving and direction-finding antennas, building towers, antenna system troubleshooting, and updated listings for antenna system materials and service suppliers. The chapters in this edition have been reorganized to progress from principles through practical applications.

You can build it! Even the novice builder will appreciate the complete construction notes for dozens of antenna designs including wire and loop antennas, verticals, and Yagis. New designs in this edition include a C-pole ground-independent HF antenna, patch and Vivaldi antennas, "cheap" VHF and UHF Yagis, a 40 meter Moxon beam, a TV-to-ham log-periodic conversion, and improved half-element designs for Yagis. **The antennas in this edition benefit directly from the latest computer modeling techniques.**

CD-ROM Inside—includes all of the fully searchable text and illustrations in the printed book, plus utility programs and supplemental content from expert contributors. The CD-ROM also includes **EZNEC-ARRL** version 5.0 antenna modeling software for PCs (a tutorial is included) and an extensive collection of antenna models.

System Requirements: A fully searchable PDF version of this book is included for Windows® 7, Windows Vista®, or Windows® XP, as well as Macintosh® systems, using Adobe® Acrobat® Reader® software. The Acrobat Reader is a free download at www.adobe.com. PDF files are Linux readable. Utility programs are Windows® compatible, only. Some utilities have additional limitations and may not be compatible with 64-bit operating systems.



ARRL The national association for
AMATEUR RADIO®
225 Main Street, Newington, CT 06111-1494 USA
www.arrl.org



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